



2020-2021

ACADEMIC PLANNING GUIDE



Rockwall
INDEPENDENT SCHOOL DISTRICT



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Planning Your High School Program

The purpose of this guide is to assist students as they plan their academic future.

A variety of counseling services are offered at all schools. Counselors work with students, parents, and teachers to select appropriate courses for graduation and provide student services throughout the year. Catalogs, handbooks, and internet resources are available to students seeking post-secondary educational opportunities. These opportunities include two- and four- year colleges and universities, technical schools, and the U.S. Armed Forces. Financial aid resources and workshops are also available. Each high school has a College and Career Resource Center with computer access available. For more information, please contact the appropriate school counseling center:

Rockwall High School	469-698-7207
Rockwall-Heath High School	469-698-2670
Quest Academy (placement by application)	469-698-7059
Dr. Gene Burton College and Career Academy	469-698-0660

In case of conflict between the Academic Planning Guide and Rockwall ISD Board Policy Manual, and/or any other administrative regulations, the Rockwall ISD Board Policy Manual shall prevail. Rockwall ISD provides public access to the Board Policy Manual on its website: <https://pol.tasb.org/Home/Index/1030>.

Four Year College & Career Readiness Plan

9th Grade Checklist

Fall	<p>Meet your counselor Your counselor is ready and willing to help you make sense of your college and career options. As soon as you can, set up a meeting to talk about your plans for high school and the future.</p> <p>Get involved Extracurricular activities (both school and non-school-sponsored) are an important part of high school. Make the effort to get involved with groups, clubs, or teams that interest you. These activities are fun, make you a well-rounded student, and help create your resume of experiences for postsecondary applications. A complete list of clubs and organizations can be found on the school websites.</p> <p>Make the grade Get off to a good start with your grades because they will impact your GPA and class rank. Although college seems like a long way off right now, grades really do count toward college admissions and scholarships. At this stage in the game, you are laying the foundation for your high school career. Freshman year is a time to establish your academic and extracurricular credentials. You should also begin to explore options for your career or further education.</p>
Winter	<p>Explore your interests and possible careers Discuss your skills and interests with your school counselor and take advantage of numerous Career and Technical Education (CTE) opportunities at your school and at Dr. Gene Burton College and Career Academy.</p>
Spring/Summer	<p>Build your credentials Keep track of academic and extracurricular awards, community service achievements, and anything else you participate in so it will be easier to remember later. It will come in handy when you want to highlight your accomplishments—such as when you are filling out college applications or creating a resume.</p> <p>Start learning about colleges and careers Look at the college and career information available in your counselor’s office, school, and public libraries. Use the internet to check out college and career websites. Use our college search to view college profiles: http://www.gotocollegefairs.com/. You may even want to start a list of colleges that might interest you.</p> <p>Make summer count There are plenty of ways to have fun and build your credentials during the summer such as volunteering, getting a job, or signing up for an enrichment program.</p>

10th Grade Checklist

Sophomore year, you will want to stay on track with your high school classes and activities and begin to narrow down the plan for your future.

Fall	<p>Take a practice PSAT Taking the PSAT as a sophomore will help prepare you for the real thing next year. Rockwall ISD administers the PSAT to all 10th and 11th graders.</p> <p>Stay on track with your courses Work with your school counselor to make sure you are enrolled in the courses you need to prepare you for college or a career.</p> <p>Begin learning about the college admissions process Get familiar with general college entrance requirements. The school counselor’s office, the library, college websites, and advice articles are all good sources of information.</p> <p>Continue exploring potential careers Explore your career options in more detail—research possible careers to learn about the tasks, education, and training necessary for each occupation. https://bigfuture.collegeboard.org/</p>
Winter	<p>Take on new roles Stay involved with your extracurricular activities and work toward leadership positions in the activities you like best. Become involved in community service and other volunteer activities. Build your postsecondary resume.</p> <p>Read, read, read Developing your reading skills will help prepare you for tests and make you a well-rounded individual. Read as many books as you can, including articles on current events.</p> <p>Practice your writing You will need good writing skills no matter what path you pursue, so work on those skills now to be prepared. Find a teacher or another adult who can advise and encourage you to write well.</p> <p>Get advice from your counselor Meet with your school counselor to make sure you are staying on track. You can also discuss your PSAT scores and ask about postsecondary enrollment options and Advanced Academics courses.</p>
Spring/Summer	<p>Keep your grades up It is so important to remain focused on doing well in your classes. Remember that your grades affect your GPA and class rank—two factors that colleges consider in the admissions process.</p> <p>Start your college search Use our college search tools to decide what factors are important to you and see a list of colleges that match your criteria. Attend college fairs and read the material you get from all types of schools—you may see something you like.</p> <p>Contact colleges that interest you Write to schools and ask for more information about their academic requirements and any programs or activities that you are interested in. It is especially important to start this process now if you think you want to attend a military academy.</p> <p>Get a summer job Finding steady summer work will look good to prospective colleges and employers. Putting the money you earn away for college will also help you get a head start on a personal savings plan.</p>

11th Grade Checklist

Junior year is a key year in the college planning process because you will be taking standardized tests, narrowing down your college list, and learning more about financial aid. In addition, you should stay involved in your high school courses and activities.

Fall	<p>Stay on track with your classes and grades Meet with your counselor to see what you still need to take. Check on your class rank and your GPA. Even if your grades have not been that good so far, it is never too late to improve. Colleges like to see an upward trend on your course grades.</p> <p>Take the PSAT Taking the PSAT qualifies you for the National Merit Scholarship program, which means you could earn money for college. In addition, it is a good way to practice for the ACT and/or SAT. Rockwall ISD offers the PSAT to all 10th and 11th graders and provides the SAT to all 11th graders spring of their junior year.</p> <p>Evaluate your postsecondary options Now is the time to follow a more specific path. Decide whether you want to pursue full-time employment, further education or training (such as a vocational-technical school, career college, or two-year or four-year college), or a military career. If you are interested in attending a military academy, talk to your school counselor about starting the application process now.</p> <p>Make a college list Your list of colleges should include schools that meet your most important criteria (for example, size, location, cost, academic majors, or special programs). Consider each of these factors according to their importance to you and develop a preliminary ranking of the schools on your list.</p> <p>Continue gathering college information Attend the Rockwall ISD College Night and speak with college and career representatives. Use an online college finder such as http://www.gotocollegefairs.com/ and search top college lists. You may be able to narrow your choices or add a school to your list.</p> <p>Make sure you are meeting any special NCAA requirements If you want to play Division I or II sports in college, start the certification process and check with your counselor to make sure you are taking a core curriculum that meets NCAA requirements. https://web3.ncaa.org/ccwr3/</p>
Winter	<p>Stay involved with extracurricular activities Colleges look for consistency and depth in the non-academic activities you pursue. Taking on leadership roles and making a commitment to the same groups are more important than trying out tons of new activities each year.</p> <p>Begin narrowing down your college choices Make sure you have all the information you need about the colleges you are interested in (entrance requirements, tuition, room and board costs, course offerings, student activities, financial aid, etc.). Then, begin comparing the schools by the factors that are most important to you and rank your choices.</p> <p>Take standardized tests Performance on the SAT or ACT is one of the most important criteria for college admission. Register for and take the ACT, SAT, or SAT subject tests as necessary. ACT-https://www.act.org/content/act/en/products-and-services/the-act/registration.html SAT-https://collegereadiness.collegeboard.org/sat/register. Be sure you have requested (either by mail or online) that your test scores be sent to the colleges of your choice. Rockwall ISD offers the PSAT to all 10th and 11th graders and provides the SAT to all 11th graders spring of their junior year.</p> <p>Prepare a challenging schedule for senior year Meet with your counselor to determine which classes you will take next year and to make sure you are on track for graduation. Colleges do consider your senior year courses and grades, so stick with a schedule that challenges you.</p>
Spring	<p>Apply for a summer job or internship Summer employment and internships in fields you are interested in will look appealing on a college application or resume. The money you earn can also be used to help pay application and testing fees in the fall.</p> <p>Set up appointments at your top college choices You will need to plan ahead when visiting colleges. Call the admissions office to set up a personal interview, tour, and a meeting with a professor or coach if you are interested. You can also ask them to send you an application.</p>
Summer	<p>Visit colleges. Visit the campuses of your top five college choices. Take a tour and speak with the admissions and financial aid staff. You may also be able to talk to students if some classes are in session. If you have an interview, be sure to send a thank-you letter to the interviewer once you return home.</p> <p>Get advice from other college students If you have friends or relatives in college, talk to them about what college life is like, especially if they attend a school of interest. Although it is important to hear what the admissions staff has to say about a school, it is also important to get the students' perspective.</p> <p>Start working on your application essays Compose rough drafts of the essays you will need for your college applications. Have a teacher read and discuss them with you so you can see what to work on. Make any revisions to your application essays and prepare final drafts. Do not forget to proofread your final essays a few times.</p> <p>Make early decision preparations If you plan to apply early to any school, take the time to visit the school again and make sure you are willing to commit. If you elect to apply early decision, you should start working on your application as soon as possible because the deadline will be earlier than others.</p>

12th Grade Checklist

Senior year is often an extremely busy time with schoolwork, activities, and special events. Be sure to stay on track with your college admissions process. Get organized, be aware of deadlines, and do not procrastinate.

Fall	<p>Continue to visit schools Fall is a great time to look at the schools on your college lists because classes are in session and you are better able to visit with college students and professors. You may even be able to sit in on a class or two.</p> <p>Finalize your college list When applying to college, use the information you have gathered from college visits, interviews, and your own research. It is okay to apply to colleges that you think will be more difficult to get accepted. It is also important to put a few safety schools (where you are sure you will get in) on your list. Talk to counselors, teachers, and parents about your final choices.</p> <p>Stay on track with your grades and extracurricular activities Colleges will look at what you have done in your senior year, so stay focused on doing well in your classes and maintaining a commitment to extracurricular activities.</p> <p>Submit financial aid forms Fill out the FAFSA. No matter your family's income level, the FAFSA is your main priority for financial aid purposes as it will determine how much you are expected to pay toward your college expenses. FAFSA opens October 1st every year. https://studentaid.ed.gov/sa/</p> <p>Take standardized tests Register for and take the ACT, SAT, or SAT subject tests as necessary. ACT - https://www.act.org/content/act/en/products-and-services/the-act/registration.html SAT - https://collegereadiness.collegeboard.org/sat/register Be sure you have requested (either by mail or online) your test scores be sent to the colleges of your choice.</p> <p>Keep track of deadlines You will be filling out many forms this year, so it is important to know which form is due when. Make a calendar showing the application deadlines for admission, financial aid, and scholarships. Please refer to the Rockwall ISD Local Scholarship deadline criteria https://www.Rockwallisd.com/Page/267.</p> <p>Ask for letters of recommendation Give letter of recommendation forms to the teachers you have chosen, along with stamped, addressed envelopes so your teachers can send them directly to the colleges. Be sure to fill out your name and address and the school name on each form. Discuss your goals and ambitions with your teachers so they will be more prepared to write about you.</p> <p>Meet with your counselor Your counselor can help you stay on track with admissions requirements. Make sure your counselor knows to which colleges you want transcripts, score reports, and letters mailed. Give your counselors any necessary forms much earlier than the actual deadlines so they will be able to mail the forms.</p> <p>Complete applications. Finish the application forms for your schools of interest. Proofread your applications and make extra copies before you send them. Make sure you and your school's counseling office have sent all necessary materials, including test scores, recommendations, transcripts, and application essays. You should plan to get all this done before winter break so you will not be rushing to make deadlines.</p>
Winter	<p>Scholarship search Apply for scholarships that have deadlines approaching and keep searching for more scholarship and grant opportunities. Using online scholarship search tools is a great way to find potential aid. https://www.fastweb.com/. Ask colleges about available scholarships. Please refer to the Rockwall ISD Local Scholarship deadline criteria https://www.Rockwallisd.com/Page/267.</p> <p>Send mid-year grade reports Ask your counselor to send your mid-year grade reports to your college of interest. Remember that schools will continue to keep track of your grades, so it is important to keep working hard throughout your senior year.</p>
Spring	<p>Watch your mail and email for notification from colleges If you applied under the regular application process, you should receive an admissions decision by March or April. Notifications of financial aid awards should arrive by the end of April.</p> <p>Compare financial aid packages Make sure to consider each financial aid award carefully. If you have questions, contact the financial aid office of the college to get more information. Financial aid is a key factor in deciding where you will attend.</p> <p>Prepare for any last standardized tests You may be taking AP, IB, or UT OnRamps exams to earn college credit as the school year winds down.</p> <p>Make your final college and career decisions Notify all schools of your intent by May 1. If you are not sure which college offer to accept, make one more campus visit to the schools you are considering. Make sure to send your deposit to your chosen school and ask your school counselor to send your final transcript to the college in June.</p>

Congratulations! You have finished high school and you are about to embark on an exciting new phase of life. Good luck!

Rockwall ISD Graduation Plan

The goal of Rockwall ISD is that all students will graduate on the Foundation + Endorsement Distinguished Level of Achievement graduation plan and that all students will be college and career ready.

	Foundation with Endorsement(s) Or Distinguished Achievement with Endorsement	Foundation High School Program <i>(may only be selected at the conclusion of the 10th grade year and with administrator approval)</i>
English Language Arts	4 Credits <ul style="list-style-type: none"> • English I • English II • English III • Advanced English course 	4 Credits <ul style="list-style-type: none"> • English I • English II • English III • Advanced English course
Mathematics	4 Credits <ul style="list-style-type: none"> • Algebra I • Geometry • Two advanced math courses* (<i>Algebra II is required for distinguished level of achievement and for some endorsements</i>). 	3 Credits <ul style="list-style-type: none"> • Algebra I • Geometry • An advanced math course
Science	4 Credits <ul style="list-style-type: none"> • Integrated Physics and Chemistry (IPC) (Should be taken concurrently with Algebra I. If you received Pre-AP Algebra I credit in 8th grade, you will take Biology or Pre-AP Biology in 9th grade instead of IPC and will need three additional advanced science courses.) • Biology • Two additional advanced science courses (Chemistry and/or Physics required for some programs of study.) 	3 Credits <ul style="list-style-type: none"> • Integrated Physics and Chemistry (IPC) • Biology • One additional advanced science course
Social Studies	3 Credits <ul style="list-style-type: none"> • World Geography and/or World History • US History • Government/Economics (.5 credit each) 	3 Credits <ul style="list-style-type: none"> • World Geography and/or World History • US History • Government/Economics (.5 credit each)
Physical Education	1 Credit	1 Credit
Languages Other Than English (LOTE)	2 Credits from the same language	2 Credits from the same language
Fine Arts	1 Credit	1 Credit
Electives	7 Credits <i>(Includes the credit requirements of the student's declared endorsement)</i>	5 Elective Credits
Total Credits	26	22

*To earn an endorsement a student must earn 26 credits including a 4th credit in Math and a 4th credit in Science.

Rockwall ISD Endorsements

	Descriptio	Program of study		
Arts & Humanities	<p>The Arts and Humanities Endorsement offers students an opportunity to study ancient and modern literature, history, language and culture. These courses allow students an opportunity to explore and understand how other cultures live. Students interested in the performing arts of music and theatre, as well as the visual arts, may find this endorsement suitable for them. Possible career paths and interest areas for students pursuing an Arts and Humanities Endorsement include courses related to: political science, world languages, cultural studies, English literature, history, and fine arts.</p>	<p><u>Social Studies</u> Students earn 5 credits in social studies.</p>	<p><u>Foreign Language</u> Students take four levels of the same foreign language. OR Students take two levels of one foreign language and two levels of a different foreign language for a total of four credits.</p>	<p><u>Fine Arts</u> Students earn four credits in the same fine arts area. OR Students take two levels of one fine arts area and two levels in a different fine arts area for a total of four credits.</p>
Business and Industry	<p>The Business and Industry Endorsement incorporates a large number of career paths and student interests. Possible career interest areas for exploration in the Business and Industry Endorsement may include: animation, architecture, business management, game design, culinary arts, database management, broadcasting, television production, fashion design, information technology, communications, accounting, finance, marketing, graphic design, welding, automotive technology, agricultural technology, and veterinary medicine.</p>	<p><u>Career & Technical Education (CTE)</u> Students earn a coherent sequence of four or more CTE credits consisting of at least two courses in the same career cluster that lead to a final course in the same career cluster. At least one course must be an advanced CTE course (11th or 12th grade course). Business & Industry programs of study include:</p> <ul style="list-style-type: none"> • Agricultural Technology • Animation • Architecture • Audio Video Production • Automotive Technology-Dual Credit (Eastfield College) • Business Management • Commercial Photography • Culinary Arts • Fashion Design • Finance • Graphic Design • Journalism or Newspaper • Manufacturing • Marketing & Entrepreneurship • Veterinary Medicine/Animal Science • Video Game Design • Welding-Dual Credit (Eastfield College) 		
Multidisciplinary	<p>Students who are undecided on which program of study/endorsement they wish to pursue can choose the Multidisciplinary Endorsement. This allows students to take a variety of courses during high school as long as they complete four years of math, science, English, and social studies. With this endorsement, students may select from any of the 9th grade elective options to take during their freshman year. All career programs of study identified in all cluster and endorsement areas would fall into the Multidisciplinary Endorsement area.</p>	<p><u>Four by Four (4x4)</u> Students take four courses in each of the four content areas:</p> <ul style="list-style-type: none"> • Four English credits to include English IV • Four math credits • Four science credits to include Biology and Chemistry • Four social studies credits 	<p><u>Advanced Courses</u> Students earn a total of four credits from Advanced Placement (AP) courses, Dual Credit (DC), OnRamps (UT), or International Baccalaureate (IB) courses in English, math, science, social studies, foreign language, or fine arts.</p>	<p><u>CTE</u> Students earn four credits of advanced courses that prepare them to enter the workforce or postsecondary education without remediation from within one endorsement area or among endorsement areas not in a coherent sequence.</p>
Public Service	<p>Within the Public Service Endorsement students may be interested in exploring career fields within the Health Science Career Cluster which include careers such as a nurse, physician's assistant, hospital administrator, nutritionist, pharmacist, emergency medical technician, etc. The Law Enforcement and Public Safety Career Cluster includes careers such as mediator, law clerk, paralegal, police officer, detective, security guard, criminal investigator, bailiff, and fish and game warden.</p>	<p><u>Career and Technical Education (CTE)</u> Students earn a coherent sequence of four or more CTE credits consisting of at least two courses in the same career cluster that lead to a final course in the same career cluster. At least one course must be an advanced CTE course (11th or 12th grade course). Public Service programs of study include:</p> <ul style="list-style-type: none"> • Education and Training • Law and Public Safety • Health Science – Clinical • Health Science – EMT • Health Science Dental Assistant • Health Science – Pharmacy Tech • Health Science – EKG (Collin College) • Health Science – Central Sterile Processing (Collin College) • Health Science – Patient Care Technician (Collin College) 		
STEM	<p>The STEM Endorsement (Science, Technology, Engineering, and Math) may be the right program of study for a student interested in exploring career fields such as biochemistry, bioengineering, civil engineering, electrical engineering, medical science and/or research, mechanical engineering, chemical engineering, environmental engineering, avionics, physics, robotic engineering, biomedical engineering, computer programming or cyber security.</p>	<p><u>Career and Technical Education (CTE)</u> Students earn a coherent sequence of four or more CTE credits consisting of at least two courses in the same career cluster that lead to a final course in the STEM cluster. At least one course must be an advanced CTE course (11th or 12th grade). STEM programs of study include:</p> <ul style="list-style-type: none"> • Aerospace Engineering • Electronics Engineering • Computer Science/Cyber Security • Robotics Engineering 	<p><u>Math</u> Students take Algebra I, Geometry, Algebra II and two of the following courses for which Algebra II is a pre-requisite:</p> <ul style="list-style-type: none"> • Advanced Algebra • Precalculus • Precalculus Pre-AP • AP Calculus AB or BC • College Statistics • IB Math 	<p><u>Science</u> Students take Biology, Chemistry, Physics and two of the following courses:</p> <ul style="list-style-type: none"> • Aquatic Science • Earth and Space Science • AP science courses • IB science courses • CTE courses which confer science credit

Grade Point System

Grade Point System for Seniors 2020, 2021, 2022					Grade Point System for Seniors 2023 and beyond		
Grade	AP/IB	Pre-AP/ Dual Credit	Regular	Modified Content	AP/IB	Pre-AP/ Dual Credit	Regular
100	6.0	5.5	5.0	4.5	6.0	5.5	5.0
99	5.9	5.4	4.9	4.4	5.9	5.4	4.9
98	5.8	5.3	4.8	4.3	5.8	5.3	4.8
97	5.7	5.2	4.7	4.2	5.7	5.2	4.7
96	5.6	5.1	4.6	4.1	5.6	5.1	4.6
95	5.5	5.0	4.5	4.0	5.5	5.0	4.5
94	5.4	4.9	4.4	3.9	5.4	4.9	4.4
93	5.3	4.8	4.3	3.8	5.3	4.8	4.3
92	5.2	4.7	4.2	3.7	5.2	4.7	4.2
91	5.1	4.6	4.1	3.6	5.1	4.6	4.1
90	5.0	4.5	4.0	3.5	5.0	4.5	4.0
89	4.9	4.4	3.9	3.4	4.9	4.4	3.9
88	4.8	4.3	3.8	3.3	4.8	4.3	3.8
87	4.7	4.2	3.7	3.2	4.7	4.2	3.7
86	4.6	4.1	3.6	3.1	4.6	4.1	3.6
85	4.5	4.0	3.5	3.0	4.5	4.0	3.5
84	4.4	3.9	3.4	2.9	4.4	3.9	3.4
83	4.3	3.8	3.3	2.8	4.3	3.8	3.3
82	4.2	3.7	3.2	2.7	4.2	3.7	3.2
81	4.1	3.6	3.1	2.6	4.1	3.6	3.1
80	4.0	3.5	3.0	2.5	4.0	3.5	3.0
79	3.9	3.4	2.9	2.4	3.9	3.4	2.9
78	3.8	3.3	2.8	2.3	3.8	3.3	2.8
77	3.7	3.2	2.7	2.2	3.7	3.2	2.7
76	3.6	3.1	2.6	2.1	3.6	3.1	2.6
75	3.5	3.0	2.5	2.0	3.5	3.0	2.5
74	3.4	2.9	2.4	1.9	3.4	2.9	2.4
73	3.3	2.8	2.3	1.8	3.3	2.8	2.3
72	3.2	2.7	2.2	1.7	3.2	2.7	2.2
71	3.1	2.6	2.1	1.6	3.1	2.6	2.1
70	3.0	2.5	2.0	1.5	3.0	2.5	2.0
Below 70	0	0	0	0	0	0	0

Advanced Placement (AP)/International Baccalaureate (IB): Courses are nationally/internationally recognized for their advanced level of curriculum.

Students may have the potential to earn college credit for these courses.

Dual Credit/Dual Enrollment/Pre-AP: Courses in which the state mandated curriculum is extended and enriched resulting in an academically rigorous curriculum. College Credit can be earned in dual credit courses.

Regular State-Approved Courses: Courses that provide a challenging curriculum in a variety of offerings, based on state-mandated curriculum.

State-Approved Courses with Modified Curriculum: Courses in which content modifications have been made to state-mandated curriculum.

Any course taken for high school credit, in middle school, will be included in GPA calculations. Local credits will not count in GPA calculations.

CLASSIFICATION OF STUDENTS

Senior privileges will be extended only to those students who are candidates for graduation and have acquired 18 credits prior to the current school year. To be classified as a junior, a student must have at least 12 credits toward graduation; a sophomore must have at least 6 credits toward graduation, and a freshman must have been promoted from the 8th grade.

HONOR GRADUATE

A cumulative grade point average of 4.0 and above at the end of a student's senior year qualifies the student as an honor graduate.

RANKING OF STUDENTS

Please refer to Rockwall ISD EIC(LOCAL): [https://pol.tasb.org/Policy/Download/1030?filename=EIC\(LOCAL\).pdf](https://pol.tasb.org/Policy/Download/1030?filename=EIC(LOCAL).pdf)

COURSE CREDIT, ATTENDANCE, AND PREREQUISITES

To receive credit or final grade in a course a student must attend at least 90% of the days the class is offered. A student who attends at least 75% but fewer than 90% of the days a class is offered may receive credit or a final grade for the class if he or she completes a plan, approved by the principal, who allows the students to fulfill the instructional requirements for the class. For more information, see the Student Handbook.

RELEASE PERIOD(S)

Juniors and Seniors must be enrolled full time and be on track with credits and graduation requirements to qualify for a release period in their schedule. Juniors are limited to one release period. Seniors are limited to two release periods with the following exception: seniors enrolled in four or more Advanced Academics courses requesting a third release period must have approval of the Principal. Students will lose the additional release period if they drop an AP/IB/Dual Credit/Dual Enrollment course.

EXCLUSIONS FOR CLASS RANK

The calculation of class rank shall exclude grades earned in any credit recovery course; any traditional correspondence course; any distance learning course; any local credit course; any night school courses; a private or commercially sponsored physical activity program; or through credit by examination, with or without prior instruction. EIC(LOCAL)

STUDENT ATHLETES

If you are planning to participate in college athletics, it is your responsibility to register and be certified by the NCAA Eligibility Center for Division 1, 2, and 3 and the NAIA after completion of your junior year in high school. The NCAA Eligibility Center ensures consistent interpretation of NCAA/NAIA initial eligibility requirements for all prospective student athletes at all member institutions. You and your parents/guardians must know the rules for eligibility as a student athlete and plan your high school courses accordingly. For example, credit by exam will not count towards NCAA eligibility requirements. For more information, reference the following websites:

NCAA website: www.eligibilitycenter.org

NAIA website: www.playnaia.org

DISTANCE LEARNING AND CORRESPONDENCE COURSES

Credit toward state graduation requirements may be granted for distance learning and correspondence courses only as follows:

1. The institutions offering correspondence courses are The University of Texas at Austin, Texas Tech University, or another public institution of higher education approved by the Commissioner of Education.
2. Students may earn course credit through approved distance learning technologies such as satellite, Internet, two-way video conferencing, online courses, the Texas Virtual School Network (TxVSN), and instructional television.
3. The distance learning and correspondence courses must include the state-required essential knowledge and skills for such a course.

Prior approval to enroll in these courses must be obtained through an application available in the counseling office. In order to be a candidate for graduation, students must complete these courses prior to graduation. Grades earned in these courses will not be used in calculating class rank. There may be a cost associated with this coursework. Registration for TxVSN requires counselor and district approval. Refer to policy EHDE(LEGAL) for more information about TxVSN.

ROCKWALL ISD ONLINE COURSES

Online courses are offered in Rockwall ISD through Edgenuity. See your counselor for registration information, course offerings and cost.

CREDIT BY EXAM - ACCELERATION

A student will be permitted to take an examination to earn credit for an academic course or subject area for which the student has had no prior instruction, i.e., for advancement or to accelerate to the next grade level. The examinations offered by the district are approved by the district's board of trustees. The dates on which examinations are scheduled during the 2019–20 school year will be published in appropriate district publications and on the district's website. The only exceptions to the published dates will be for any examinations administered by another entity besides the district or if a request is made outside of these time frames by a student experiencing homelessness or by a student involved in the foster care system. When another entity administers an examination, a student and the district must comply with the testing schedule of the other entity. During each testing window provided by the district, a student may attempt a specific examination only once. If a student plans to take an examination, the student (or parent) must register with the school counselor no later than 30 days prior to the scheduled testing date. [For further information, see policy EHDC.]

Students in grades 6–12 will earn course credit with a passing score of at least 80 on the examination, a scaled score of 50 or higher on an examination administered through the CLEP, or a score of 3 or higher on an AP examination, as applicable. A student may take an examination to earn high school course credit no more than twice. If a student fails to achieve the designated score on the applicable exam before the beginning of the school year in which the student would need to enroll in the course according to the school's high school course sequence, the student must complete the course.

CREDIT BY EXAM - PRIOR INSTRUCTION

A student who has previously taken a course or subject—but did not receive credit or a final grade for it—may, in circumstances determined by the principal or attendance committee, be permitted to earn credit or a final grade by passing an examination approved by the district's board of trustees on the essential knowledge and skills defined for that course or subject. Prior instruction may include, for example, incomplete coursework due to a failed course or excessive absences, homeschooling, or coursework by a student transferring from a nonaccredited school. The opportunity to take an examination to earn credit for a course or to be awarded a final grade in a subject after the student has had prior instruction is sometimes referred to as “credit recovery.” If the student is granted approval to take an examination for this purpose, the student must score at least 70 on the examination to receive credit for the course or subject. The attendance review committee may also offer a student with excessive absences an opportunity to earn credit for a course by passing an examination. [For further information, see the school counselor and policy EHDB(LOCAL).]

EARLY GRADUATION

Students requesting early graduation must consult with the counselor during the second semester of the sophomore year to obtain credit verification and to formalize the student's plan for early graduation. A student cannot drop to the Foundation Plan to graduate early. Parent and principal approval are required. Students meeting graduation requirements before the scheduled graduation ceremonies may participate in the ceremonies.

PRE-ADVANCED PLACEMENT (PRE-AP) PROGRAMS

Pre-AP courses provide students in grades 6-12 the opportunity to learn the same course material but at a faster pace and at a deeper level of understanding than in regular-level classes. Pre-AP courses are designed to develop the critical reading, analytical problem solving, and clear writing skills needed for successful completion of college-level work while still in high school. Enrolling in Pre-AP courses is highly recommended for students who wish to take International Baccalaureate Diploma Programme, Advanced Placement, or Dual Enrollment/Dual Credit courses while in high school. Several Pre-AP courses provide students with the option to earn dual high school and college credit.

INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAMME

Both high schools in Rockwall ISD are authorized by the International Baccalaureate Organization to offer the International Baccalaureate Diploma Programme. All courses designated as “IB” courses are college-level courses taken while students are still enrolled in high school. Students should expect subject matter and academic workload to be similar to a college-level course. All students enrolled in IB courses are expected to take the IB exam following the IB course exam requirements. There is a fee associated with each IB exam that is set by the IB each year. Qualified students may receive exam cost reductions or fee waivers.

For a more detailed look at the Rockwall IB ISD Programme, the 2019-2020 Rockwall ISD IB Handbook can be found at the following link: https://drive.google.com/file/d/1axvjxhM_xd5-PIrKVwIIPVzEfpZ1JMK/view.

ADVANCED PLACEMENT (AP) PROGRAM

Advanced Placement courses provide college-level coursework for high school students who are ready and willing to do college-level work while in high school. AP courses follow the content and curricular objectives established by the College Board. Colleges and universities have the option of accepting AP exam scores for college credit. House Bill 1992, signed into law in June of 2015, requires all Texas public colleges and universities to award college credit to students who submit scores of 3 and higher on AP Exams. This applies to entering freshmen at Texas public institutions of higher education beginning in the fall of 2016. Each teacher's AP course syllabus is submitted and approved by the College Board on an annual basis. Furthermore, all AP courses are weighted in the calculation of grade point average. By taking AP exams each May, students may earn AP Scholar Awards, which recognize student success and achievement in AP courses and on AP Exams.

All courses designated as “AP” courses are college-level courses taken while students are still enrolled in high school. Students should expect subject matter and academic workload to be similar to a college-level course. All students enrolled in AP courses are expected to take the College Board AP exam for that course in May of the enrolled school year. There is a fee associated with the taking of each AP exam that is set annually by the College Board. Qualified students may receive exam cost reductions or fee waivers. AP Exam fees will be due in the first nine weeks of the academic year.

DUAL CREDIT OPPORTUNITIES (COLLIN COLLEGE)

Rockwall ISD is proud to partner with Collin College in order to provide dual credit learning opportunities for our students. Upon successful completion of a dual credit course, students will be awarded college and high school credit simultaneously. Dual credit courses provide advanced academic instruction beyond, or in greater depth, than, the Texas Essential Knowledge and Skills (TEKS) for the corresponding high school course.

Students interested in taking dual credit courses must complete Rockwall ISD's and participating higher education college enrollment and registration procedures by the Rockwall ISD deadline. Dual Credit students must meet the entrance requirements of the participating institution of higher learning and must be in the 11th or 12th grade. Rockwall County students are charged in-county tuition and fees by the higher education institution. Students are responsible for verifying the transferability of course credit to the college/university of choice. Please check with colleges/universities before registering for Dual Credit courses. Dual Credit courses are taught by college professors; therefore, students should expect workload and subject matter of a college level course. Dual Credit professors have ownership of their course and syllabus. Students are responsible for following the college expectations and student code of conduct. All students are required to complete enrollment information sessions and attend new student orientation before the fall semester starts. Students need to be aware of drop and withdrawal policies for the higher education institution.

In addition, students must demonstrate college readiness via the Texas Success Initiative Assessment (TSIA) or provide state approved exemptions; refer to the dual credit program page for details. For Dual Credit courses, the college in which the course is taken determines drop/withdraw date and tuition reimbursement policy. No schedule changes are permitted past the census date for the college. All dual credit students should understand how a dropped course may affect their high school graduation plans and college transcript.

DUAL ENROLLMENT (ONRAMPS) VIA THE UNIVERSITY OF TEXAS AT AUSTIN (UT)

OnRamps provides students with a dual-enrollment model as a means of attaining college credit through the University of Texas at Austin (UT-Austin) while enrolled at Rockwall ISD. Using a hybrid instructional delivery approach, Rockwall ISD teachers, supported by a UT-Austin professor, are the classroom teachers for OnRamps courses taught at Rockwall ISD high schools. College credit from the UT-Austin is earned through the University Extension Office of the University of Texas at Austin. Students earning college credit via OnRamps courses are guaranteed to transfer to any public institution in Texas. OnRamps courses do not require a student to be enrolled in UT-Austin but are aligned and similar to the coursework taken by UT-Austin students. A qualifying TSIA score is not required for these courses. Students taking an OnRamps course will receive two separate grades, one for the college part of the course (recorded on a UT-Austin transcript) and one for the high school part of the course (recorded on a high school transcript). During the fall semester of the OnRamps course, students must complete a series of required assignments designated by the instructor of record at UT-Austin. Students must earn a grade of at least 60% or higher to be eligible to participate in the university course taught in the spring semester of the academic year. Students who do not meet this requirement remain enrolled in the course and still can earn high school credit with their high school teacher, as the teacher of record. More information about the OnRamps program can be found at the following: onramps.utexas.edu.

NATIONAL MERIT SCHOLARSHIP PROGRAM

About the Program

Of the nearly 1.6 million student entrants each year, about 50,000 with the highest PSAT/NMSQT selection index scores qualify for recognition by the National Merit Scholarship Corporation's (NMSC) National Merit Scholarship Program. Students who take the PSAT their junior year are automatically entered into the National Merit Scholarship Program. In September, these high scorers are notified through their schools that they have qualified, either as a Semifinalist or as a Commended Student, on the basis of a nationally applied Selection Index score. This score may vary from year to year based on student PSAT performance nationally.

Semifinalists

Competing against other junior PSAT takers within their own state, about 16,000 students are notified that they have qualified as Semifinalists in the National Merit Scholarship Program. Semifinalists will receive scholarship application materials from the NMSC after they are notified of their status as semifinalists. Semifinalists may advance to Finalist standing by completing the required application and meeting the academic requirements set by the NMSC.

Commended Students

Junior PSAT test takers scoring in the top 50,000 can receive Letters of Commendation from the NMSC in recognition of their high performance on the PSAT. Although Commended Students do not continue on as candidates for National Merit Scholarships, they can be candidates of special scholarship sponsored by corporations and private businesses.

Finalists

In February of a student's senior year, Semifinalists are notified via mail if they have advanced to Finalist standing. National Merit Scholarships are then chosen from the pool for Finalists after evaluating a variety of factors.

More information about the National Merit Scholarship Program can be found at: <http://nationalmerit.org>.

DYSLEXIA PROGRAM

Students identified with dyslexia may participate in the Dyslexia Program. Students receive instructional support in phonological awareness, sound-symbol association, syllabication, orthography, morphology, syntax, reading comprehension, and reading fluency. Study skills, thinking skills, and test-taking strategies are also offered. Placement in a dyslexia class is dependent on the decision and placement of the campus 504 Committee or ARD Committee. Parental permission is required for participation.

READING LAB

This course is designed to provide instructional support in phonological awareness, sound-symbol association, syllabication, orthography, morphology, syntax, reading comprehension, and reading fluency. A variety of methods are utilized including a computer based program in conjunction with small group instruction. This class is designed for students who are identified with dyslexia or who are in need of reading intervention support (based on STAAR, assessment data, and grade criteria). Placement in this class is to be made by a 504, ARD, or MTSS/RtI Committee.

SPECIAL EDUCATION PROGRAMS

Placement in any special education course is dependent on eligibility and the decision and placement of the Admission, Review and Dismissal (ARD) Committee. A number of special education programs and courses are offered at the high school level. All special education courses are taken for credit, as are general education courses.

SECTION 504

Section 504 of the Rehabilitation Act of 1973 requires that no qualified student who demonstrates a physical or mental impairment that substantially limits one or more major life activities, shall be excluded from participation in, be denied the benefit of, or be subject to discrimination in any program or activity offered by Rockwall ISD. "Placement decisions are to be made by a group of person who are knowledgeable about the child, the meaning of the evaluation date, placement options, least restrictive environment requirements and comparable facilities" [34 C.F.R. §104.35 (c)(3)]. Students who are served through 504 may receive accommodations based on their disability to "level the playing field" with their nondisabled peers as determined by the Section 504 committee.

Advanced Classes Identified for No-Pass, No-Play Exemption

*Texas Education Agency (TEA)/University Interscholastic League (UIL) Academic Requirements
(No-Pass, No-Play)*

A student who receives, at the end of any nine weeks grading period, a grade below 70 in any academic class (other than an identified advanced class) may not participate in extracurricular activities for at least three school weeks. The student regains eligibility when the principal and teachers determine that he or she has:

1. Earned a passing grade of 70 or above in all academic classes **and**
2. Completed the three school weeks of ineligibility.

The following courses are the Rockwall ISD advanced courses which are eligible for the No-Pass, No-Play Exemption:

Middle School Waivable Courses

English Language Arts: English 7 Pre-AP English 7 SAGE English 8 Pre-AP English 8 SAGE	Science Science 7 Pre-AP compacted Integrated Physics and Chemistry (IPC) Pre-AP
Mathematics Math 7 Pre-AP Algebra I Pre-AP	Social Studies Texas History Pre-AP US History 8 Pre-AP

High School Waivable Courses

Advanced Placement Courses: All	The International Baccalaureate Programme Courses: All
English Language Arts: English I Pre-AP English II Pre-AP	Science: Biology Pre-AP Chemistry Pre-AP
Mathematics: Algebra I Pre-AP Geometry Pre-AP Algebra II Pre-AP Precalculus Pre-AP	Social Studies: World Geography Pre-AP
Languages Other Than English: Spanish II Pre-AP Spanish II Pre-AP for Native Speakers Spanish III Pre-AP French II Pre-AP French III Pre-AP	Dual Credit: Any dual credit course in English, mathematics, science, social studies, economics, or a language other than English.
The University of Texas OnRamps Courses: All	

Advanced Academics Program Comparison Side-By-Side

	Advanced Placement (AP)	International Baccalaureate (IB)	Dual Enrollment (UT On Ramps)	Dual Credit
Description	<p>The College Board AP Program allows students to take college-level courses and the related AP Exam to potentially earn college credit in high school.</p> <p>There is an AP Exam fee associated with each AP Course, due in the first nine weeks of the academic year.</p>	<p>The International Baccalaureate Programme allows students to take college-level courses and internal and external assessments (exams) to potentially earn college credit and earn a separate IB High School Diploma.</p> <p>There is an IB exam fee associated with each IB course, due in the first nine weeks of the academic year.</p>	<p>Dual Enrollment Program through the University of Texas at Austin (UT-Austin) allows students to potentially earn both high school credit and college credit while still in high school.</p> <p>There is a course fee of \$149 associated with each OnRamps course, due in the first nine weeks of the academic year.</p> <p>OnRamps uses Canvas, a digital learning platform and there are no associated textbook fees with these courses.</p>	<p>Dual Credit courses for core and some CTE subjects are offered through a partnership with Collin College.</p> <p>Additional Dual Credit CTE courses are offered through Dallas County Community College.</p> <p>Students earn high school credit along with college credit while participating in the dual credit program.</p> <p>Students pay college tuition. In-county tuition rates of \$54/credit hour. (ex. 3 credit course = \$162); payable to the college upon registration.</p> <p>Students are required to purchase textbooks, as determined by the professor.</p>
College Credit	<p>College credit is granted if a student passes the AP examination associated with every AP course.</p> <p>Individual colleges and universities, not College Board or the AP Program, grant course credit and placement.</p> <p>Requires a score of 3 (out of 1-5) or higher on each AP Exam. See individual college/university for their specific policy.</p>	<p>College credit is granted when a student passes the IB examinations.</p> <p>Individual colleges and universities, not The International Baccalaureate Programme, grant course credit and placement.</p> <p>Public Texas universities are, by law, required to award 24 credit hours for an IB diploma.</p> <p>Credits are accepted internationally. Requires a score of 4 (out of 1-7) or higher. See individual college/university for their policy.</p>	<p>Students receive weighted high school credit when they successfully complete the course.</p> <p>Students also receive college credit if they qualify for and pass the college portion of the course (UT-Austin).</p> <p>Earned credit is guaranteed to be accepted for credit at any public university in Texas.</p> <p>See individual college/university for their specific credit policy.</p>	<p>College credit is granted based off of the grade earned by the student through the participating College Institution.</p> <p>College credit is shown on the college transcript.</p> <p>Students abide by all college drop and withdrawal deadlines.</p> <p>All grades posted by the college will be on the college transcript and high school transcript.</p> <p>Earned credit is guaranteed to be accepted for credit at any public university in Texas.</p>
Teacher and/or Instructors	<p>Courses are taught by high school teachers trained by College Board.</p>	<p>Courses are taught by high school teachers trained by the International Baccalaureate Programme.</p>	<p>Courses are taught by high school teachers trained by University of Texas professors.</p>	<p>Courses are taught by college professors employed by the participating college institution.</p>

Guidelines for Schedule Changes

Rockwall ISD students and parents are asked to give much consideration and careful thought to the course selection process before finalizing course selections each spring. Scheduling and assignment of classes are completed prior to the end of each school year through the Arena Scheduling process. Once the school year begins, if a student believes that he/she has been incorrectly placed in a class, received credit for the course over the summer, no longer needs a course for graduation, or did not complete the required prerequisites for enrollment, a schedule change request may be made to the student's assigned counselor within the first week of school, only if there is room in another course.

Required Courses for Graduation:

Students are not permitted to drop required courses for graduation.

Advanced Academics Course Changes (Pre-AP, AP, IB, and OnRamps)

We recognize some students may have difficulty with advanced academic coursework as they adjust to a new schedule. Before seeking an Advanced Academics drop request, students are required to set up a time to conference with both their parent and teacher about their progress, and collaboratively develop a plan for improvement. Approval for exiting an Advanced Academics course will be determined by the student's performance, teacher input, the student's efforts to be successful as documented through the campus MTSS process (including tutorial logs), parent approval, and administrator approval. Requests to drop a course will only be allowed if there is space available in a substitute course. Please keep in mind, any change in courses may affect the student's entire class schedule. Transfer grades are not weighted. Students may forfeit a \$40.00 unused/canceled exam fee on each ordered AP exam.

Timing of Advanced Academics Course Changes (Pre-AP, AP, IB, and OnRamps)

In Rockwall ISD, advanced academic changes are made only at the end of the first six weeks of the fall semester or during the first week of the spring semester, with the proper approvals. Approval of schedule changes will be limited to requests judged to be within district guidelines and in the best interest of the student. Upon administrator approval, students may be allowed to drop into a regular class at the designated deadline.

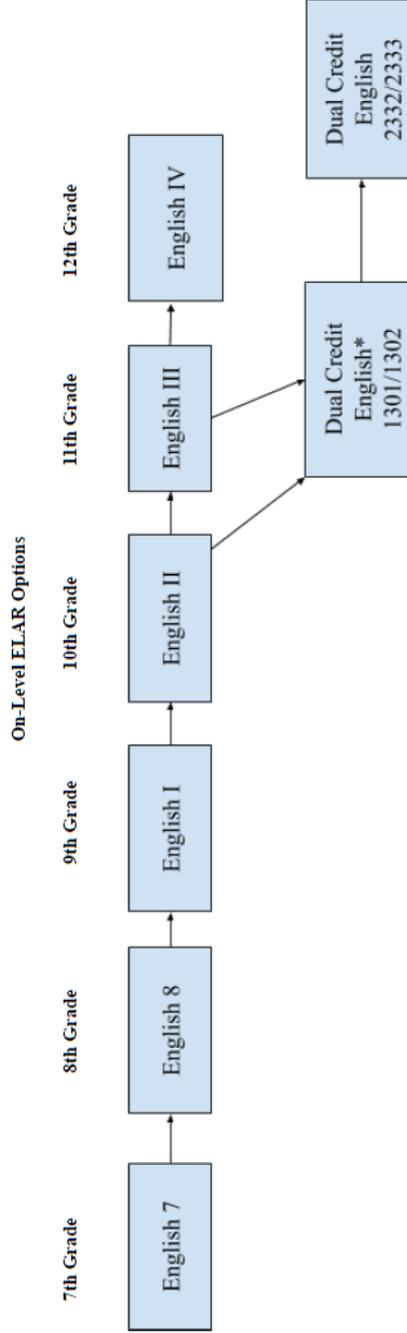
Dual Credit Collin College and Eastfield Courses:

Schedule changes must be done before the census date (roster verification date) as determined by the college. Students requesting schedule changes must first check with a counselor to determine if the change can be aligned with their regular high school courses and graduation requirements. Students who drop/withdraw may be placed by the high school campus in an online high school course to make up that semester credit, which has an additional fee. Please check NCAA eligibility about online courses if your student is an athlete. Please keep in mind, any change in courses may affect the student's entire class schedule.

Grades 7-12 English Language Arts Flowchart



Rockwall ISD offers three ELAR pathways to meet our students' diverse needs. The typical pathway is the On-Level ELAR Pathway. Families may also choose the Pre-AP ELAR Pathway depending on student interest and post-secondary goals with the suggested prerequisite of receiving Meets or Masters on the appropriate ELAR STAAR/EOC. Students may choose to enter or leave these two pathways as long as they have met the state prerequisite and are not choosing courses out of order.



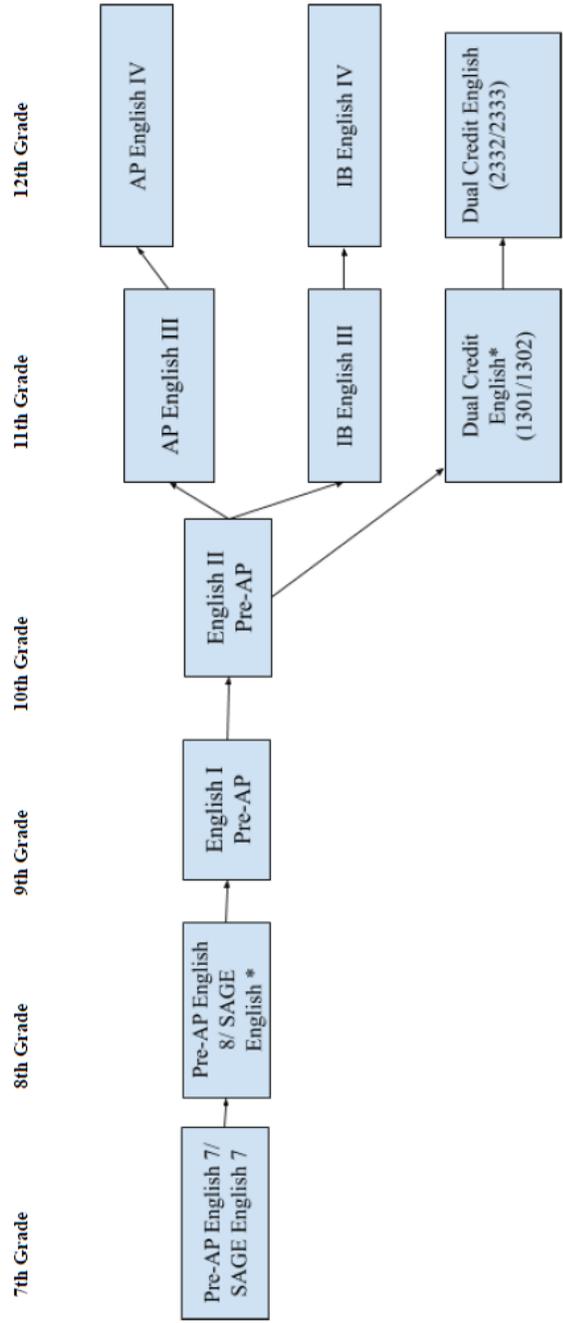
* Student must earn a minimum of 351 on TSI Reading AND 340 on TSI Writing with an essay score of 4, or provide TSI State approved exemptions for enrollment in the dual credit program.

*According to Texas Administrative Code 74.12, students **must** receive credit for English I, II, and III in order to enroll in any fourth English.

Grades 7-12 English Language Arts Flowchart



Advanced Academics ELAR Pathway Options



*Student must earn a minimum of 351 on TSI Reading AND 340 on TSI Writing with an essay score of 4, or provide TSI State approved exemptions for enrollment in the dual credit program.

*According to Texas Administrative Code 74.12, students must receive credit for English I, II, and III in order to enroll in any fourth English.

ENGLISH

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses noted in bold are state required prerequisites)
English I	1	9	None
English I Pre-AP	1	9	Receives Meets or Masters on 8th Grade STAAR
English II	1	10	English I
English II Pre-AP	1	10	Receives Meets or Masters on previous STAAR EOC, English I, or English I Pre-AP
English III	1	11	English II
AP English III	1	11	Receives Meets or Masters on previous STAAR EOC, English II, or English II Pre-AP
English IV	1	12	English III or AP English III
AP English IV	1	12	Receives Meets or Masters on previous STAAR EOC, English III, or AP English III
IB English Literature	2	11 and 12	English II or English II Pre-AP
ENGL 1301 Composition I (Dual Credit)	.5	11 or 12	Meets TSIA criteria
ENGL 1302 Composition II (Dual Credit)	.5	11 or 12	ENGL 1301 , Meets TSIA criteria
ENGL 2332 World Literature I (Dual Credit)	.5	12	ENGL 1301 and ENGL 1302 , Meets TSIA criteria
ENGL 2333 World Literature II (Dual Credit)	.5	12	ENGL 2332 , Meets TSIA criteria
College Preparatory – English Language Arts and Reading	1	12	Counselor Placement
English I or II - Speakers of Other Languages (ESOL)	1	9-12	LPAC Placement

LANGUAGE ARTS ELECTIVES

Practical Writing Skills	1	9-11	LPAC, 504 MTSS/RtI, ARD, Teacher Recommendation
Reading I, II, III, IV	1	9-12	LPAC, 504 MTSS/RtI, ARD, Teacher Recommendation
College Readiness and Study Skills	.5	9-12	LPAC, 504 MTSS/RtI, Teacher Recommendation
Study Skills and Reading Applications for English Language Learners	.5 Local	9-12	LPAC Recommendation
Creative/Imaginative Writing	1	9-12	None
Research and Technical Writing	1	11-12	LPAC, 504 MTSS/RtI, Teacher Recommendation
Reading Lab	1	9-12	None (scheduled based on data ad need i.e. dyslexia, failing STAAR, etc.)

ENGLISH I

ELA001

Grade Placement: 9

Prerequisite: None

Credit: 1

The state requires an EOC assessment at the end of this course.

This course is designed to meet the educational needs of the students based on the TEKS objectives. Emphasis will be on fundamental language skills: reading, writing, speaking, and listening. An emphasis on literacy and composition skills will be an on-going part of the program. The course includes studying various texts, both self-selected and assigned, analyzing author's craft, and composing for a variety of purposes. The development of both critical reading and writing skills is a major emphasis of the course.

ENGLISH I PRE-AP

ELA01P

Grade Placement: 9

Prerequisite: None

Credit: 1

The state requires an EOC assessment at the end of this course.

This course is designed to meet the educational needs of the students based on the English I TEKS while providing greater depth in language arts skills. The enhanced curriculum will prepare students to be successful in future AP English courses, as well as post-secondary success. Students will read and analyze a variety of challenging texts, both classic and contemporary, fiction and nonfiction. Through student readings, both self-selected and assigned, students will also complete various complex writing tasks in informational, argumentation, and literary analysis.

ENGLISH II

ELA002

Grade Placement: 10

Prerequisite: None

Credit: 1

The state requires an EOC assessment at the end of this course.

This course is designed to meet the educational needs of the students based on the English II TEKS. An emphasis on literacy and composition skills will be an on-going part of the program. The course includes the studying of various texts (both self-selected and assigned), analyzing author's craft, and composing for a variety of purposes. Students read and write on a daily basis, engaging in activities that build on existing skills as they comprehend and analyze text. Students read and analyze various works, with emphasis on how stylistic choices and rhetorical elements shape tone in argumentative texts.

ENGLISH II PRE-AP

ELA02P

Grade Placement: 10

Prerequisite: None

Credit: 1

The state requires an EOC assessment at the end of this course.

This course is designed to meet the educational needs of the students based on the English II TEKS while providing greater depth in language arts skills. The enhanced curriculum continues to prepare students to be successful in future AP English courses, as well as post-secondary success. Students will read and analyze a variety of challenging texts – both classic and contemporary, fiction and nonfiction. Through their self-selected and assigned readings, they will also complete various complex writing tasks in argumentation, literary analysis, and synthesis.

ENGLISH III

ELA003

Grade Placement: 11

Prerequisite: None

Credit: 1

This course is designed to meet the educational needs of the students based on the English III TEKS objectives. This course emphasizes the study of various texts (both self-selected and assigned), analyzing author's craft, and studying rhetorical forms: short stories, poetry, and novels. The development of critical reading and critical writing skills is central to the course. Students will compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail.

AP ENGLISH III (LANGUAGE AND COMPOSITION)

ELA03A

Grade Placement: 11

Prerequisite: None

Credit: 1

Students are required to take an Advanced Placement exam.

This course guides students to become both skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. English III AP focuses on rhetorical analysis of nonfiction texts from various historical periods, and the development and revision of well-reasoned, evidence-centered analytic, and argumentative writing. This prepares students for the Advanced Placement Language and Composition Exam, which may earn the student college credit. There is a fee associated with this course.

ENGLISH IV

ELA004

Grade Placement: 12

Prerequisite: None

Credit: 1

This course is designed to meet the educational needs of the students based on the English IV TEKS while providing greater depth in language arts skills. This course emphasizes the studying of various texts (both self-selected and assigned), analyzing author's craft, and composing a variety of written texts. Students read and write on a daily basis, engaging in activities that build on existing skills as they comprehend and analyze text, write in multiple modes, research for various purposes, and engage in meaningful discourse.

AP ENGLISH IV (LITERATURE AND COMPOSITION)

ELA04A

Grade Placement: 12

Prerequisite: None

Credit: 1

Students are required to take an Advanced Placement exam.

This course engages students in the careful reading and critical analysis of literature. This course deepens students' understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students consider a work's structure, style and themes, as well as such smaller-scale elements as the use and effect of figurative language, imagery, symbolism and tone. Writing assignments include informational, analytical, and argumentative essays that require students to evaluate and interpret literary works, including drama, poetry, and prose. This course prepares students for the Advanced Placement Literature and Composition Exam, which may earn the student college credit. There is a fee associated with this course.

IB ENGLISH LITERATURE

ELA03I, ELA04I

Grade Placement: 11 AND 12

Prerequisite: English II, approved IB Diploma application

Credit: 2

This course is taken over a two-year period. Students are required to take the appropriate IB assessments.

The IB Diploma Programme English literature course develops an understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In English literature, the formal analysis of texts and wide coverage of a variety of literature - both in the language of the subject and in translated texts from other cultural domains—is combined with a study of the way literary conventions shape responses to texts. Students completing this course will have a thorough knowledge of a range of texts and an understanding of other cultural perspectives. They will also have developed skills of analysis and the ability to support an argument in clearly expressed writing, sometimes at significant length. This course will enable them to succeed in a wide range of university courses, particularly in literature but also in subjects such as philosophy, law, and language. Texts studied are chosen from the Prescribed Literature in Translation (PLT) list and the Prescribed List of Authors (PLA) or elsewhere. The PLT list is a wide-ranging list of works in translation, from a variety of languages, allowing teachers to select works in a language different from the language of the examination. The PLA lists authors from the language of the examination. The authors on the list are appropriate for students aged 16 to 19. There is a fee associated with this course.

ENGL1301 COMPOSITION I (DUAL CREDIT)

ELA03D, ELA04D

Grade Placement: 11 or 12

Prerequisite: Meet TSIA criteria

High School Credit: 0.5

College Credit: 3

This course is an intensive study of and practice in writing processes, from invention and researching, to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ENGL 1302 COMPOSITION II (DUAL CREDIT)

ELA03D, ELA04D

Grade Placement: 11 or 12

Prerequisite: ENGL 1301; meet TSIA criteria

High School Credit: 0.5

College Credit: 3

This course is an intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ENGL 2332 WORLD LITERATURE I (DUAL CREDIT)**ELA05D****Grade Placement: 12****Prerequisite: ENGL 1301 and 1302; meet TSIA criteria****High School Credit: 0.5****College Credit: 3**

This course is a survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ENGL 2333 WORLD LITERATURE II (DUAL CREDIT)**ELA05D****Grade Placement: 12****Prerequisite: ENGL 2332; meet TSIA criteria****High School Credit: 0.5****College Credit: 3**

This course is a survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

COLLEGE PREPARATORY COURSE: ENGLISH LANGUAGE ARTS AND READING**ELACP1****Grade Placement: 12 with counselor placement****Credit: 1**

This course is designed to increase the college readiness of current high school students in English Language Arts. This course provides foundation work in the areas of reading and writing for the student who intends to advance to college level work. The course content includes three required assignments to develop and apply reading and writing skills deemed essential for potential college students. These assignments include expository, persuasive, and text-dependent reading and writing through literary criticism.

ENGLISH I OR ENGLISH II FOR SPEAKERS OF OTHER LANGUAGES (ESOL)**ELA01E, ELA02E****Grade Placement: 9-12****Prerequisite: LPAC Decision****Credit: 1**

This course is an English course for students whose primary language is not English.

LANGUAGE ARTS ELECTIVES

PRACTICAL WRITING SKILLS**ELA013****Grade Placement: 9-12****Prerequisite: LPAC, 504, MTSS/RtI, ARD, or Teacher Recommendation****Credit: 1**

This course develops skills necessary for practical writing in English by using conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students completing this course will be able to analyze and evaluate their own writing as well as the writing of others.

READING I, II, III**ELA006, ELA007, ELA008****Grade Placement: 9-12****Prerequisite: LPAC, 504, MTSS/RtI, ARD, or Teacher Recommendation****Credit: 1**

This course is designed to help students meet the expectations of the state standards and experience success in reading. Reading I, II, and III provides students with a wide range and quality of genres, increase text complexity to challenge and accelerate student reading, develop strong academic vocabulary, and increase student proficiency in writing informative, argumentative, and narrative essay.

COLLEGE READINESS AND STUDY SKILLS

ELA011

Grade Placement: 9-12

Prerequisite: LPAC, 504, MTSS/RtI, or Teacher Recommendation

Credit: .5

Designed so that students apply study strategies and techniques for learning from a variety of texts. Students will accomplish many of the objectives through a wide variety of reading resources.

STUDY SKILLS AND READING APPLICATIONS FOR ENGLISH LANGUAGE LEARNERS

ELA10E

Grade Placement: 9-12

Prerequisite: LPAC Recommendation

Credit: .5 Local unit

A study skills course for students whose primary language is not English. Students in this course are given assistance with all subject areas.

CREATIVE/IMAGINATIVE WRITING

ELA005

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Provides an array of opportunities for creative written expression: poetry, short fiction, vignette, autobiography, dramatic, and screen writing. Multi-genre creative research projects may be required. Students learn the basics of workshop, including how to respond to writing in different genres, and aspects of both reading and discussing texts as a writer. Class time is devoted to sharing student work, discussing the writer's craft and assigned readings, writing, and responding to student writing.

RESEARCH AND TECHNICAL WRITING

ELA012

Grade Placement: 11-12

Prerequisite: LPAC, 504, MTSS/RtI, or Teacher Recommendation

Credit: 1

A composition course designed for students to skillfully research topics while developing the skills necessary for writing persuasive and informative texts. Students will effectively apply the conventions of usage and the mechanics of written English.

READING LAB

ELA009

Grade Placement: 9-12

Prerequisite: 504, ARD, or MTSS/RtI Recommendation

Credit: 1 State Reading Elective

This course is designed to provide instructional support in phonological awareness, sound-symbol association, syllabication, orthography, morphology, syntax, reading comprehension, and reading fluency. A variety of methods are utilized including a computer based program in conjunction with small group instruction. This class is designed for students who are identified with dyslexia or who are in need of reading intervention support (based on STAAR, assessment data, and grade criteria).

JOURNALISM AND SPEECH

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation
Beginning Journalism	.5	9-12	None
Photojournalism	.5	9-12	None
Debate I-II	1	9-12	None
Professional Communications	.5	9-12	None
Advanced Journalism: Newspaper Production I-III	1	10-12	Beginning Journalism or Photojournalism
Advanced Journalism: Yearbook Production I-III	1	10-12	Beginning Journalism or Photojournalism

BEGINNING JOURNALISM

JOU001

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Co-Requisite: Photojournalism

This course is a study of the news media, journalism ethics, news gathering, news writing, feature writing, editorial writing and newspaper graphic design. Students will learn about the history of journalism as well as famous court cases. Students gain practical experience writing articles for consideration for publication in the campus newspaper.

PHOTOJOURNALISM

JOUP01

Grade Placement: 9-12

Prerequisite: None

Credit: .5

Co-Requisite: Beginning Journalism

This course teaches the elements of composition, layout and design, using a variety of photographic disciplines. Students may learn computer applications, video skills, and how to electronically edit imagery. Work may be published in the school newspaper and/or yearbook. Students may have a camera with manual settings and interchangeable lenses.

DEBATE I-II

SPDE01, SPDE02

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course provides practical experience in argumentation and debate within individual and team settings. Concepts and skills used to research topics, make decisions, and resolve conflicts are explored in depth.

PROFESSIONAL COMMUNICATIONS

SPCA02

Grade Placement: 9-12

Prerequisite: None

Credit: .5

This course blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communications. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct internet research.

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION I-III

JOUN01, JOUN02, JOUN03

Grade Placement: 10-12

Prerequisite: Beginning Journalism or Photojournalism, Application Required

Credit: 1

This course is a continuation of topics introduced in Journalism 1, with the addition of production of the school newspaper, ad sales, and computer-based layout, and graphic design using desktop publishing programs. Eligible students may participate in a variety of Journalism U.I.L. competitions.

ADVANCED JOURNALISM: YEARBOOK PRODUCTION I-III

JOUY01, JOUY02, JOUY03

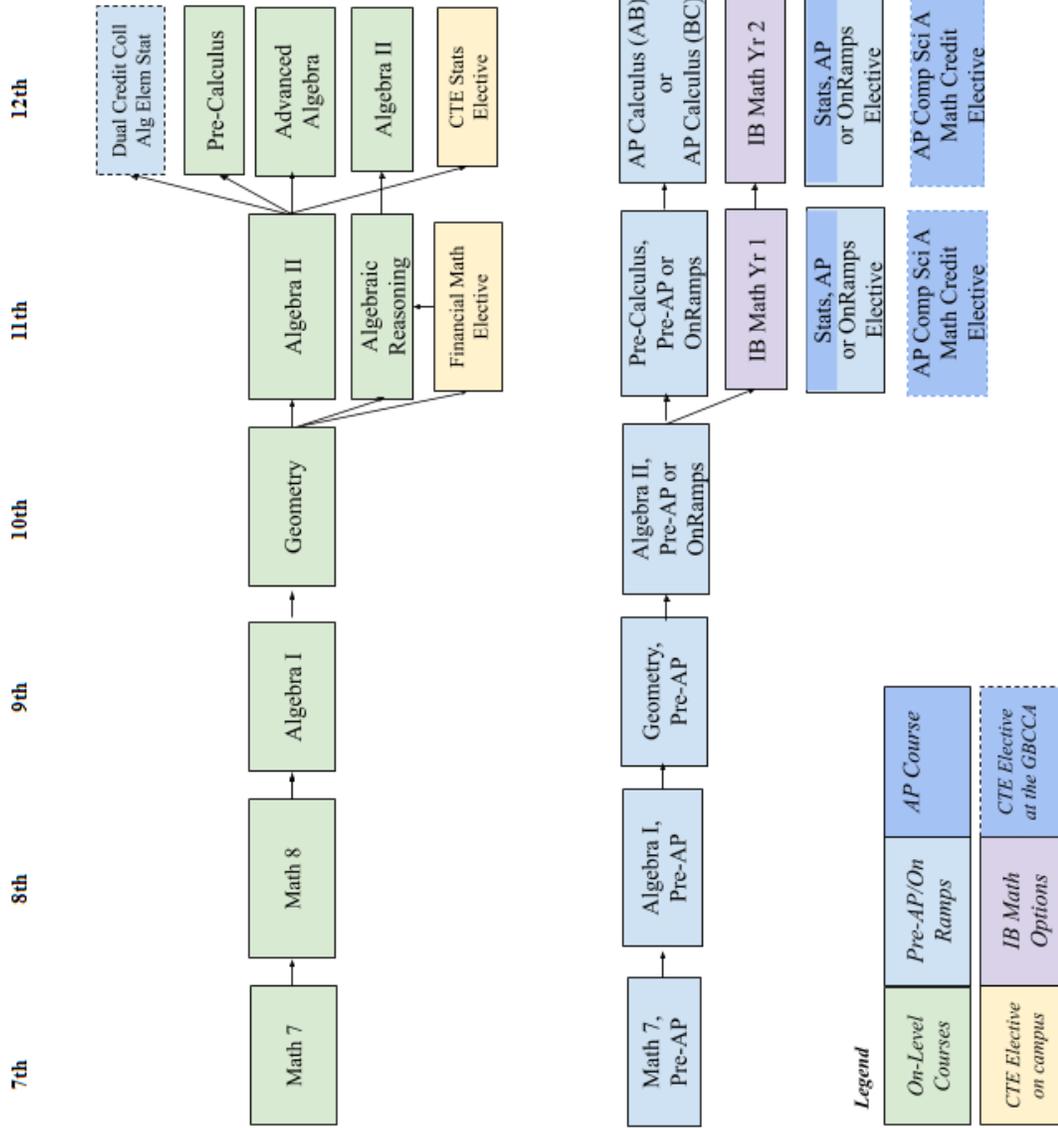
Grade Placement: 10-12

Prerequisite: Beginning Journalism, Application Required

Credit: 1

This course provides practical experience in public relations, ad sales, layout design, photography, writing copy, and basic journalism techniques required in yearbook production. Students use the computer to produce the yearbook. Eligible students may participate in a variety of Journalism U.I.L. competitions.

Grades 7-12 Mathematics Course Flowchart



Please note that a student may choose a second math course in one school year if prerequisites have been met. Use the table that follows to verify prerequisites.

MATHEMATICS

Course	Credits	Grade	Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)
Algebra I	1	9	8th Grade Math or Equivalent
Algebra Lab-Strategic Learning for High School Mathematics	1 state elective	9-12	Counselor placement only
Geometry	1	9-10	Algebra I
Geometry Pre-AP	1	9-10	Algebra I (Pre-AP recommended)
Algebraic Reasoning (Not an NCAA approved course)	1	11-12	Algebra I
Algebra II	1	9-12	Algebra I, Geometry
Algebra II Pre-AP	1	9-11	Algebra I (Pre-AP Recommended), Geometry (Pre-AP Recommended)
OnRamps Algebra II Pre-AP (Dual Enrollment)	1	9-11	Algebra I Pre-AP (a grade of 80 or higher recommended), Geometry Pre-AP (a grade of 80 or higher recommended)
IB Mathematics: Applications and Interpretation	2	11 and 12	Must have earned Algebra II credit
Advanced Algebra Concepts	1	12	Algebra II
Precalculus	1	11-12	Geometry and Algebra II
Precalculus Pre-AP	1	10-12	Geometry and Algebra II (Pre-AP recommended)
OnRamps Precalculus Pre-AP (Dual Enrollment)	1	10-12	Geometry Pre-AP and Algebra II Pre-AP (a grade of 80 or higher recommended)
AP Calculus AB	1	11-12	Precalculus (a grade of 80 or higher is recommended)
AP Calculus BC	1	11-12	Precalculus Pre-AP (OnRamps Pre-AP or Pre-AP; a grade of 80 or higher is recommended)
AP Statistics	1	11-12	Algebra II Pre-AP or Algebra II OnRamps Pre-AP (a grade of 80 or higher recommended); may be taken concurrently with Precalculus
OnRamps Statistics (Dual Enrollment)	1	11-12	Algebra I, Geometry, Algebra II (a grade of 80 or higher recommended); may be taken concurrently with Precalculus
College Preparatory Course - Transition to College Mathematics (Not an NCAA approved course)	1	12	Counselor Placement
MATH 1314 College Algebra (Dual Credit)	.5	12	Meet TSIA criteria
MATH 1342 Elementary Statistics (Dual Credit)	.5	12	Meet TSIA criteria
The courses listed below are CTE courses that confer math credit.			
Financial Mathematics (Not an NCAA approved course)	1	11-12	Algebra I , Principles of Business, Marketing and Finance recommended
Statistics and Business Decision Making (Not an NCAA approved course)	1	11-12	Algebra II , Principles of Business, Marketing and Finance recommended
Accounting II (Not an NCAA approved course)	1	11-12	Accounting I , Algebra II, Principles of Business, Marketing and Finance recommended
AP Computer Science A	1 math and 1 LOTE	9-12	Algebra I (Algebra II and Computer Science Pre-AP; a grade of 80 or higher recommended)
Robotics II	1 math	11-12	Robotics I

ALGEBRA I

MAT001

Grade Placement: 9

Prerequisite: 8th Grade Math (or equivalent)

Credit: 1

The state requires an EOC assessment at the end of this course.

This course is the first high school math credit students need to earn for graduation. Algebra I is a foundational high school math course that builds on algebraic concepts students have been exposed to in 6th through 8th grade math courses. Algebra I addresses linear, quadratic and exponential functions from multiple representations (graph, table, equation, model, verbal description). Algebra I is a prerequisite for all future high school math courses. Students will be using a TI84 calculator in class. A similar handheld calculator, app, or online graphing calculator may be useful for work at home and all future high school math courses. At the end of the course, students will take the Algebra I EOC STAAR. Geometry is the next math course students will take.

ALGEBRA I LAB-STRATEGIC LEARNING FOR HIGH SCHOOL MATHEMATICS

MAT01L

Grade Placement: 9-12

Prerequisite: Concurrent enrollment in Algebra I

Credit: 1 state elective credit (Strategic Learning for High School Mathematics)

Enrollment in this course is by counselor placement only.

This course is designed for students who need additional support with Algebra I topics or who have not met the prerequisite for Algebra I.

GEOMETRY

MAT002

Grade Placement: 9-10

Prerequisite: Algebra I

Credit: 1

This course is the second high school math credit students need to earn for graduation. Geometry builds on geometric and algebraic concepts students were exposed to from kindergarten through Algebra I. Geometry is a visual math course that focuses on shapes and their properties. In addition, to the applications in construction, visual arts, technology and design, geometry helps students develop logical reasoning skills and precise mathematical language. Students generally choose Algebra II as the next math course. Financial Math or Algebraic Reasoning may be suitable choices if the student is not ready for Algebra II. Strong math students may also choose IB Mathematics in their junior/senior years.

GEOMETRY PRE-AP

MAT02P

Grade Placement: 9-10

Prerequisite: Algebra I (Pre-AP recommended)

Credit: 1

This course is the second high school math credit Pre-AP students need to earn for graduation. Geometry Pre-AP builds on geometric and algebraic concepts students were exposed to from kindergarten through Algebra I. In Geometry Pre-AP, students will begin to experience an inquiry-based learning format. Teachers will ask students to explore ideas and then create conjectures based on the patterns they observe. Geometry is a visual math course that focuses on shapes and their properties. In addition to the applications in construction, visual arts, technology and design, geometry helps students develop logical reasoning skills and precise mathematical language. Students generally choose either Algebra II Pre-AP or OnRamps Algebra II Pre-AP as the next math course. Algebra II (on level) may be a suitable choice if the student is not ready for the rigor or responsibilities of the Algebra II Pre-AP.

ALGEBRAIC REASONING

MAT008

Grade Placement: 11-12

Prerequisite: Algebra I

Credit: 1

This course does not meet NCAA eligibility requirements.

This course meets state eligibility requirements for a year 3 or year 4 math course for graduation. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. This course will serve to strengthen student's algebraic skills and understanding prior to Algebra II.

ALGEBRA II

MAT004

Grade Placement: 10-12

Prerequisite: Algebra I, Geometry

Credit: 1

Algebra II provides a third math credit for graduation and is required for the STEM Endorsement. This course continues to build upon Algebra I by extending work in linear, quadratic, and exponential functions and solving square root, cube root, and absolute value equations. Students will also explore square root, rational, cubic, cube root, absolute value and logarithmic functions. This course is a prerequisite for statistics, CTE, and advanced math courses.

ALGEBRA II PRE-AP

MAT04P

Grade Placement: 9-11

Prerequisite: Algebra I (Pre-AP recommended), Geometry (Pre-AP Recommended)

Credit: 1

Algebra II Pre-AP is a rigorous mathematics course that builds on Algebra I by extending the analysis of linear, quadratic, and exponential functions to square root, rational, cubic, cube root, absolute values and logarithmic functions. Students will use advanced symbolic manipulation skills to solve square root, cube root, and absolute value equations. This course will prepare students for Precalculus Pre-AP and AP Calculus or IB Mathematics courses. After this course, students should enroll in OnRamps Precalculus Pre-AP or Precalculus Pre-AP.

ONRAMPS ALGEBRA II PRE-AP (DUAL ENROLLMENT)

MAT04D

Grade Placement: 9-11

Prerequisite: Algebra I Pre-AP (a grade of 80 or higher recommended), Geometry Pre-AP (a grade of 80 or higher recommended)

Credit: 1

This rigorous math course is Algebra II with additional content aligned with College Algebra. This inquiry-based course will deepen student understanding of functions, transformations, systems of equations and inequalities, data analysis, as well as sequences, series, and Binomial Theorem. This course is taught via OnRamps, which provides a dual credit option through the University of Texas for qualifying students. This course will help prepare students for Precalculus, OnRamps Precalculus, Precalculus Pre-AP, and further advanced academic math courses. After this course, student(s) should enroll in Precalculus Pre-AP or OnRamps Precalculus Pre-AP. There is a fee associated with the dual credit portion of the course.

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION

MAT13I, MAT21I, MAT22I, MAT23I

Grade Placement: 11 and 12

Eligibility: IB Diploma Student

Prerequisite: Algebra II credit

Credit: 2 (Higher Level)

This course is taken over a two year period. Students are required to take the appropriate IB Assessments.

This IB mathematics course is designed for students who enjoy describing the real world and solving practical problems using mathematics. Students who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics should consider this course. There is a fee associated with this course.

ADVANCED ALGEBRA CONCEPTS

MAT005

Grade Placement: 12

Prerequisite: Algebra II

Credit: 1

Advanced Algebra provides a fourth math credit for graduation. This course provides students with a solid understanding of the elementary functions of algebra and with the purpose of preparing students for college algebra or to test out of college algebra. Students will work with and without calculators to perfect their skills in simplifying expressions and solving equations. It extends the study of many Algebra II concepts including linear, quadratic, polynomial, rational, exponential and logarithmic functions. Students in Advanced Algebra Concepts will be TSIA-ready and may choose to take the College Algebra CLEP exam at the conclusion of the course to earn college credit. A next course in college may be college algebra, trigonometry, or precalculus.

PRECALCULUS

MAT006

Grade Placement: 11-12

Prerequisite: Geometry, Algebra II

Credit: 1

Precalculus provides a fourth math credit for graduation. This course will deepen students' prior understandings and fluency with algebra and connections to geometry. Precalculus includes functional relationships, geometric reasoning, numerical relationships, and algebraic reasoning needed for the study of calculus and other college level courses. Topics include functional compositions, inverses and graphical behaviors, trigonometry, conic sections, vectors, parametric equations, polar coordinates, and sequences and series. Students who earn credit for precalculus may choose AP Statistics, Statistics and Business Decision-Making, Dual Credit College Algebra/Elementary Statistics, and Calculus AB or calculus at 2-year or 4-year college or university as their next math course.

PRECALCULUS PRE-AP

MAT05P

Grade Placement: 10-12

Prerequisite: Geometry and Algebra II (Pre-AP recommended)

Credit: 1

Precalculus Pre-AP is a rigorous course that will deepen students' prior understandings and fluency with symbolic manipulation, algebraic concepts and geometry. In Precalculus Pre-AP students will analyze functional relationships, geometric theorems, and reason algebraically in preparation for the study of calculus. Precalculus Pre-AP students will approach the same Precalculus topics in more depth and with more rigor in order to better prepare students for AP Calculus (AB, BC), or calculus in college.

ONRAMPS PRECALCULUS PRE-AP (DUAL ENROLLMENT)

MAT06D

Grade Placement: 10-12

Prerequisite: Geometry Pre-AP, Algebra II Pre-AP (a grade of 80 or higher is recommended)

Credit: 1

OnRamps Precalculus Pre-AP is a rigorous, advanced math course aligned with entry-level courses taught at the college level. Students deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous Precalculus course. This is an exploration-based mathematics course designed for students who plan to take future advanced math courses such as AP Calculus AB, AP Calculus BC, or AP Statistics. Precalculus Pre-AP is taught via OnRamps, which provides a dual credit option through the University of Texas for interested students. After this course, students may choose AP Calculus AB, BC, or calculus at a college. This course receives dual/Pre-AP weighted credit. There is a fee associated with the dual credit portion of the course.

AP CALCULUS AB

MAT08A

Grade Placement: 11-12

Prerequisite: Precalculus (a grade of 80 or higher is recommended)

Credit: 1

Students are required to take an Advanced Placement exam.

AP Calculus AB is a rigorous College Board-defined course. The course includes a study of limits, differentiation, integration and applications, the material typically covered in the first semester of college Calculus. Students are expected to have a firm understanding of all functions and their graphs from prior courses, as well as solid algebraic, geometric and trigonometric skills. There is a fee associated with this course.

AP CALCULUS BC

MAT09A

Grade Placement: 11-12

Prerequisite: Precalculus Pre-AP (OnRamps Pre-AP or Pre-AP; a grade of 80 or higher is recommended)

Credit: 1

Students are required to take an Advanced Placement exam.

AP Calculus BC is a rigorous full year College Board-defined course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional C topics so it moves at a faster pace. The additional topics include parametric, polar and vector functions, and polynomial approximations and series. Students are expected to have a complete understanding of all functions and their graphs from prior courses, as well as solid algebraic, geometric and trigonometric skills. They will receive both an AB subscore and a BC score to help with college placement. There is a fee associated with this course.

AP STATISTICS

MAT07A

Grade Placement: 11-12

Prerequisite: Algebra II Pre-AP or Algebra II OnRamps Pre-AP (a grade of 80 or higher is recommended); may be taken concurrently with Precalculus

Credit: 1

Students are required to take an Advanced Placement exam.

AP Statistics is a rigorous College Board-defined course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns and Statistical Inference. Statistical methods and measurements are developed in the context of applications. There is a fee associated with this course.

ONRAMPS STATISTICS (DUAL ENROLLMENT)

MAT07D

Grade Placement: 11-12

Prerequisite: Algebra I, Geometry, Algebra II (a grade of 80 or higher is recommended); may be taken concurrently with Precalculus

Credit: 1

OnRamps Statistics Pre-AP is a rigorous math course which is aligned with entry-level courses taught at the college level. The course is built upon the idea that hands-on learning is an important and powerful way to learn. This course is designed to help students learn the basics of data analysis, including descriptive and inferential statistical procedures that are commonly used in basic statistical research. College Statistics is taught via OnRamps, which provides a dual credit option through the University of Texas for interested students. This course receives dual/Pre-AP weighted credit. There is a fee associated with the dual credit portion of the course.

COLLEGE PREPARATORY COURSE: TRANSITION TO COLLEGE MATHEMATICS

MATCP1

Grade Placement: 12

Prerequisite: Counselor placement

Credit: 1

This course does not meet NCAA eligibility requirements.

This is a one-semester course includes real numbers, symbolic representation, graphing linear equations, basic geometry, rational expressions and equations, and functions. This course is intended for students in 12th grade whose performance indicates the student is not ready to perform entry-level college coursework.

MATH 1314 COLLEGE ALGEBRA (DUAL CREDIT)

MAT01D

Grade Placement: 12

Prerequisite: Meet TSIA criteria

High School Credit: 0.5

College Credit: 3

This course is an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included; graphing calculator required. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

MATH 1342 ELEMENTARY STATISTICS METHODS (DUAL CREDIT)

MAT12D

Grade Placement: 12

Prerequisite: Meet TSIA criteria

High School Credit: 0.5

College Credit: 3

This course studies collection, analysis, presentation and interpretation of data and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended; graphing calculator required. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

The following are CTE courses that confer math credit.

FINANCIAL MATHEMATICS

BMA016

Grade Placement: 11-12

Prerequisite: Algebra I, Principles of Business, Marketing and Finance recommended

Credit: 1 (Math credit)

This course meets the requirements for the third mathematics credit. This course does not meet NCAA eligibility requirements.

This course meets the requirements for the advanced mathematics credit or can be taken as an elective. This course is about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics will integrate career and postsecondary education planning into financial decision making. Financial planning curriculum is used in this course.

STATISTICS AND BUSINESS DECISION-MAKING

BMA014

Grade Placement: 11-12

Prerequisite: Algebra II, Principles of Business, Marketing and Finance recommended

Credit: 1 (math credit)

This course meets the requirements for the fourth mathematics credit. This course does not meet NCAA eligibility requirements.

This course uses career planning concepts, tools, and strategies to explore a career in the area of risk management. The student plans, monitors, and controls day-to-day activities to enable continued functioning in finance. Students will use a variety of graphical and numerical techniques, analyzing patterns to identify and manage risks that could impact an organization. Students use probability as a tool for forecasting data within business models to make decisions. The student examines accounting systems and maintains, monitors, controls, and plans the use of financial resources to ensure business stability.

ACCOUNTING II

BMA011

Grade Placement: 11-12

Prerequisite: Algebra II, Accounting I, Principles of Business, Marketing and Finance recommended

Credit: 1 (Math Credit)

This course meets the requirements for the fourth mathematics credit. This course is designed for students in the Business and Industry endorsement program of study. This course does not meet NCAA eligibility requirements.

This course meets the requirements for the fourth mathematics credit. Students will continue the investigation of the field of accounting, including how it impacts industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. Students will continue explore Microsoft Excel functions related to accounting.

AP COMPUTER SCIENCE A

TEC01A and TEC01B

Grade Placement: 11-12

Required Prerequisite: Algebra I

Recommended Prerequisite: None

Credit: 2 (1 LOTE, 1 Math)

Students are required to take an Advanced Placement exam. This course is one class period. This course meets graduation requirements for an advanced math credit and one foreign language credit (LOTE).

Introduces Advanced Placement topics using Java as the primary programming language. Computer Science emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in college-level computer science. It also includes the study of data structures and abstraction. There is a fee associated with this course.

ROBOTICS II

STE014

Grade Placement: 11-12

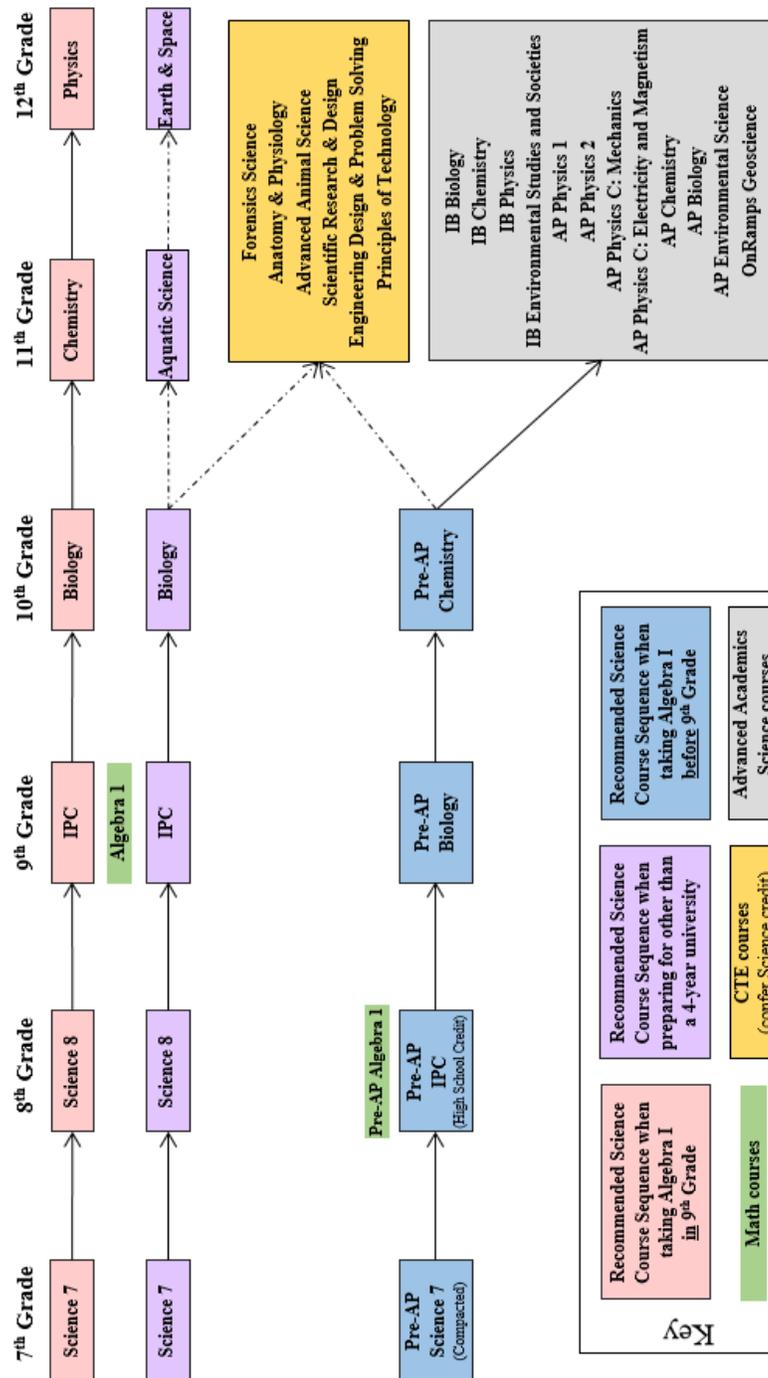
Required Prerequisite: Robotics 1

Recommended Prerequisite: None

Credit: 1 (Math Credit)

Robotics II is a continuation of knowledge and skills learned in Robotics I. Advanced programming of robots will be mastered using the VEX Robotics platform. Additionally, various programming languages will be explored to program other autonomous robots. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

Grades 7-12 Science Course Flowchart



SCIENCE

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses noted in bold are state required prerequisites)
Integrated Physics and Chemistry (IPC)	1	9	None; concurrent enrollment in Algebra I
Biology Pre-AP	1	9	IPC Pre-AP (taken in middle school)
Biology	1	10	IPC
Chemistry Pre-AP	1	10	Algebra II or Concurrent enrollment
Chemistry	1	11-12	Algebra I
Aquatic Science	1	11-12	Biology
Physics	1	11-12	Algebra I and either IPC or Chemistry
Earth and Space Science	1	11-12	3 science credits (1 may be concurrent) and 3 math credits (1 may be concurrent)
AP Biology	1	10-12	Biology Pre-AP and Chemistry Pre-AP or concurrent enrollment
AP Physics I	1	10-12	Algebra II Pre-AP and Chemistry
AP Chemistry	1	11-12	Chemistry Pre-AP and Algebra II
AP Physics II	1	10-12	AP Physics I or concurrent enrollment
AP Physics C: Mechanics	1	11-12	Credit in Calculus AB/BC or credit in AP Physics I and concurrent enrollment in Calculus AB/BC
AP Physics C: Electricity and Magnetism	1	11-12	Credit in Calculus AB/BC or credit in AP Physics I and concurrent enrollment in Calculus AB/BC
AP Environmental Science	1	11-12	Biology Pre-AP and/or Chemistry Pre-AP
OnRamps Geoscience (Dual Enrollment)	1	11-12	Biology and either Chemistry or Physics
IB Biology	1 or 2	11 and/or 12	Biology (Biology Pre-AP recommended)
IB Physics	1 or 2	11 and/or 12	Algebra II (Algebra II Pre-AP recommended)
IB Chemistry	1 or 2	11 and/or 12	Chemistry (Chemistry Pre-AP recommended)
IB Environmental Systems and Societies	1	11 or 12	Biology and Chemistry

The courses listed below are CTE courses that confer science credit.

Principles of Technology (physics substitute at GBCCA)	1	10-12	One Science credit and Algebra I
Advanced Animal Science (not an NCAA approved course)	1	11-12	Biology and Chemistry or IPC; <i>and</i> Algebra I and Geometry; <i>and</i> either Equine Science, Livestock Production or Small Animal Management
Anatomy and Physiology	1	11-12	Biology and second Science credit
Forensic Science	1	11-12	Biology and Chemistry
Scientific Research and Design-Aerospace I	1	11-12	Biology, Chemistry and IPC or Physics
Engineering Design and Problem Solving-Aerospace II	1	12	Geometry, Algebra I, Aerospace I

INTEGRATED PHYSICS AND CHEMISTRY (IPC)

SCI002

Grade Placement: 9

Prerequisite: None

Credit: 1

In this course, students will conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical-thinking and scientific problem-solving. This course covers the following topics: motion, waves, energy transformations, properties of matter, changes in matter and basic principles of chemistry. These topics are foundational before taking the subsequent math-dependent courses of chemistry and physics. This course is designed for students currently in Algebra 1.

BIOLOGY PRE-AP

SCI01P

Grade Placement: 9

Prerequisite: IPC Pre-AP (taken in 8th grade)

Credit: 1

The state requires an EOC assessment at the end of this course.

This course covers topics in addition to Biology with more depth to prepare students for AP Biology or a college level Biology course. Higher level thinking skills and problem solving strategies will be used not only with course topics but with tests, labs, projects, and other assignments. Students will use scientific methods to design experiments, analyze data, and draw conclusions while conducting lab investigations. These skills will prepare students for the rigorous labs in an AP/college science course. This course is for those students who took Algebra I prior to 9th grade.

BIOLOGY

SCI001

Grade Placement: 10

Prerequisite: IPC

Credit: 1

The state requires an EOC assessment at the end of this course.

In this course students will study living things. It provides the student with opportunities of acquiring basic skills, techniques and knowledge necessary to help understand today's biological issues. Areas of emphasis include microbiology, ecology, cell structure, molecular biology, genetics and a general survey of organisms from bacteria to plants and animals. This course is for those students who took IPC in 9th grade.

CHEMISTRY PRE-AP

SCI03P

Grade Placement: 10

Prerequisite: Algebra II or concurrent enrollment

Credit: 1

This course covers topics in addition to chemistry with more depth and complexity to prepare students for AP Chemistry or a college level Chemistry course. Higher level thinking skills and problem solving strategies will be used not only with course topics but with tests, labs, projects, and other assignments. Students will use scientific methods to design experiments, analyze data, and draw conclusions while conducting lab investigations. Mathematical applications are stressed. Students study various topics: structure of matter, energy changes, reaction types, atomic structure, acids, bases and salts, chemical and physical changes, gas laws, solutions, bonding, kinetics and equilibrium.

CHEMISTRY

SCI003

Grade Placement: 11-12

Prerequisite: Algebra I

Credit: 1

In this course students will conduct laboratory and fieldwork investigations using scientific methods to make informed decisions. Students make informed decisions using critical thinking and problem solving skills. Students study a variety of topics: matter, energy, atomic structure, the periodic table, gases, bonding, nuclear reactions, solutions, acids and bases, chemical and physical changes and chemical reaction. Students study chemistry as a part of life and how it relates to other processes. This course is designed for college-bound students preparing for non-science-related careers.

AQUATIC SCIENCE

SCIA01

Grade Placement: 11-12

Prerequisite: Biology

Credit: 1

In this course students will study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Students will conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem solving skills. This course is designed for students not preparing to attend a 4-year university.

PHYSICS

SCI004

Grade Placement: 11-12

Prerequisite: Algebra I and either IPC or Chemistry

Credit: 1

In this course students will study a variety of topics that include the laws of motion, changes within physical systems, conservation of energy and momentum, dynamics, thermodynamics, characteristics and behavior of waves and quantum physics. This course provides students with conceptual framework, factual knowledge and analytical and scientific skills. This course is designed for college-bound students preparing for non-science-related careers.

EARTH and SPACE SCIENCE

SCI010

Grade Placement: 11-12

Prerequisite: 3 science credits (1 may be concurrent) and 3 math credits (1 may be concurrent)

Credit: 1

This course is a capstone science course that combines earth science, ocean science, atmospheric science, and space science in a single course. In one year, students learn the basics and special topics of geology, oceanography, meteorology, and planetary astronomy in a course that builds upon the knowledge they learned in their earlier science courses. This course is designed for students not preparing to attend a four-year university.

AP BIOLOGY

SCI01A

Grade Placement: 10-12

Prerequisite: Biology Pre-AP and Chemistry Pre-AP or concurrent enrollment

Credit: 1

Students are required to take an Advanced Placement exam.

This course is an advanced biology course designed to be the equivalent of college biology. It stresses biology, chemistry and math integration. The three main topics covered are molecules and cells, genetics and evolution, and organisms and populations. There are twelve AP labs that thoroughly prepare students in basics of lab techniques and understanding of topics covered in lecture. There is a fee associated with this course.

AP PHYSICS I

SCI04A

Grade Placement: 10-12

Prerequisite: Algebra II Pre-AP and Chemistry

Credit: 1

Students are required to take an Advanced Placement exam.

This course is equivalent to a first semester college course in algebra-based physics. This is an appropriate first physics course for students who are preparing for a career in medicine, engineering or a related scientific field. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound and introduces electric circuits. There is a fee associated with this course.

AP CHEMISTRY

SCI03A

Grade Placement: 11-12

Prerequisite: Chemistry Pre-AP and Algebra II

Credit: 1

Students are required to take an Advanced Placement exam.

This course is an in-depth study of the chemical concepts and principles encountered in Chemistry. Topics include atomic theory, bonding, stoichiometry, equilibrium, acid-base theory, thermodynamics, nuclear chemistry, kinetics, red ox, electrochemistry and an introduction to organic chemistry. Laboratory activities emphasize observation and data collection, data analysis. Students need to spend at least five hours a week in unsupervised, independent study. There is a fee associated with this course.

AP PHYSICS II

SCI05A

Grade Placement: 10-12

Prerequisite: AP Physics I or concurrent enrollment

Credit: 1

Students are required to take an Advanced Placement exam.

This course is the equivalent to a second-semester college course in algebra-based physics. This is an appropriate second physics course for students who are preparing for a career in medicine. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, atomic, and nuclear physics. There is a fee associated with this course.

AP PHYSICS C: MECHANICS

SCI10A

Grade Placement: 11-12

Prerequisite: Credit in Calculus AB/BC or credit in AP Physics I and concurrent enrollment in Calculus AB/BC

Credit: 1

Students are required to take an Advanced Placement exam.

This is the appropriate second physics course for students preparing for a career in engineering or related scientific field. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of this course is principally mechanics. There is a fee associated with this course.

AP PHYSICS C: ELECTRICITY and MAGNETISM

SCI09A

Grade Placement: 11-12

Prerequisite: Credit in Calculus AB/BC or credit in AP Physics I and concurrent enrollment in Calculus AB/BC

Credit: 1

Students are required to take an Advanced Placement exam.

This is the appropriate second physics course for students preparing for a career in engineering or related scientific field. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of this course is principally mechanics and electricity and magnetism, with approximately equal emphasis on these two areas. There is a fee associated with this course.

AP ENVIRONMENTAL SCIENCE

SCI12A

Grade Placement: 11-12

Prerequisite: Biology Pre-AP and/or Chemistry Pre-AP

Credit: 1

Students are required to take an Advanced Placement exam.

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solution for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. This course explores many important topics facing our society today, including climate change, overpopulation, feeding the world and pollution. This study will equip students for the changing political and economic world they will face. There is a fee associated with this course.

ONRAMPS GEOSCIENCE

SCI08P

Grade Placement: 11-12

Prerequisite: Biology and either Chemistry or Physics

Credit: 1

This course fulfills the state requirement for an advanced science credit.

This is a rigorous science course aligned with entry-level courses taught at the college level. College Geoscience is an introduction to the geosciences with a focus on physical geology and an emphasis on environmental problems such as climate change, energy resources, land use, and natural hazards. College Geoscience is taught via OnRamps, which provides a dual credit option through the University of Texas for interested students. This course receives Dual Credit/Pre-AP weighted credit.

IB BIOLOGY

SCI05I, SCI06I, SCI07I

Grade Placement: 11 and/or 12

Eligibility: IB Diploma Candidate or approved IB course application

Prerequisite: Biology (Pre-AP Biology recommended)

Credit: 1 and/or 2

This course may be taken over a two year period. Students are required to take the appropriate IB Assessments.

Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Biologists attempt to understand the living world at all levels from the micro to the macro using many different approaches and techniques. Biology is still a young science and great progress is expected in the 21st century. This progress is important at a time of growing pressure on the human population and the environment. By studying IB Biology in the Diploma Programme students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. There is a fee associated with this course.

IB PHYSICS

SCI04I, SCI24I, SCI34I

Grade Placement: 11 and/or 12

Eligibility: IB Diploma Candidate or approved IB course application

Prerequisite: Algebra II Pre-AP

Credit: 1 or 2

This course may be taken over a two year period. Students are required to take the appropriate IB Assessments.

Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these themselves can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings. There is a fee associated with this course.

IB ENVIRONMENTAL SYSTEMS AND SOCIETIES (ESS)

SCI35I

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Biology and Chemistry

Credit: 1

Students are required to take the appropriate IB Assessments.

Environmental systems and societies (ESS) is an interdisciplinary course offered only at standard level (SL). This course can fulfill either the individuals and societies or the sciences requirement. Alternatively, this course enables students to satisfy the requirements of both subjects groups simultaneously while studying one course. ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world. The interdisciplinary nature of the Diploma Programme course requires a broad skill set from students, including the ability to perform research and investigations, participation in philosophical discussion and problem-solving. The course requires a systems approach to environmental understanding and promotes holistic thinking about environmental issues. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, knowledge transfer and use of primary sources. They encourage students to develop solutions at the personal, community and global levels. There is a fee associated with this course.

IB CHEMISTRY

SCI03I, SCI08I, SCI09I

Eligibility: IB Diploma Candidate or approved IB course application

Grade Placement: 11 and/or 12

Prerequisite: Chemistry (Pre-AP Chemistry recommended)

Credit: 1 or 2

This course may be taken over a two year period. Students are required to take the appropriate IB Assessments.

The IB Diploma Programme Chemistry standard level course is an experimental science that combines academic study with the acquisition of practical and investigational skills. Chemical principles underpin both the physical environment in which we live and all biological systems. Chemistry is often a prerequisite for many other courses in higher education, such as medicine, biological science and environmental science. Both theory and practical work should be undertaken by all students as they complement one another naturally, both in school and in the wider scientific community. The IB Chemistry course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century. By studying chemistry students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings. There is a fee associated with this course.

The courses listed below are CTE courses that confer science credit.

PRINCIPLES OF TECHNOLOGY (taught at GBCCA)

STE013

Grade Placement: 10-12

Prerequisite: One Science credit and Algebra I

Credit: 1

This course fulfills the state requirement for an advanced science credit (alternative to Physics).

Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, and matter. Students will study topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices. This course is designed for students not preparing to attend a four-year university.

ADVANCED ANIMAL SCIENCE

AFN012

Grade Placement: 11-12

Prerequisite: Biology and Chemistry or IPC; and Algebra I and Geometry; and either Equine Science, Livestock Production or Small Animal Management

Credit: 1

This course satisfies a science graduation credit requirement. This course does not meet NCAA eligibility requirements.

Examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. The nature of science, as defined by the National Academy of Sciences, combined with scientific inquiry, science and social ethics, science, systems, and models will be studied to provide students learning opportunities outside the realm of science as well as phenomena that are not scientifically testable.

ANATOMY AND PHYSIOLOGY

HLS002 (RHS and RHHS); HLS02H (GBCCA)

Grade Placement: 11-12

Prerequisite: Biology and second science credit

Credit: 1

This course fulfills the state requirement for an advanced science credit.

Extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis. Principles of physiology will be applied to human health and well-being. Students in the Health Science program of study or students taking at GBCCA should take HLS02H.

FORENSIC SCIENCE

LAW002 (RHS and RHHS); LAW02L (GBCCA)

Grade Placement: 11-12

Prerequisite: Biology and Chemistry

Credit: 1

This course fulfills the state requirement for an advanced science course.

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, interviewing, criminal behavior characteristics, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn history, legal aspects, and career options for forensic science

SCIENTIFIC RESEARCH AND DESIGN-AEROSPACE I

STE008

Grade Placement: 11-12

Prerequisite: Biology, Chemistry and IPC or Physics

Credit: 1

This course fulfills the state requirement for an advanced science credit.

Designed for the student interested in pursuing a career in the aerospace industry. It is the first of two courses allowing students to explore aerospace science in a lab-based environment while improving fundamental research skills, applying statistical analysis and enhancing oral and visual presentation techniques. Students work in teams on an aerospace research project and learn how to structure, organize and present the project in one or more formal presentations to a panel of judges.

ENGINEERING DESIGN AND PROBLEM SOLVING-AEROSPACE II

STE004

Grade Placement: 12

Prerequisite: Geometry, Algebra I, Scientific Research and Design-Aerospace I

Credit: 1

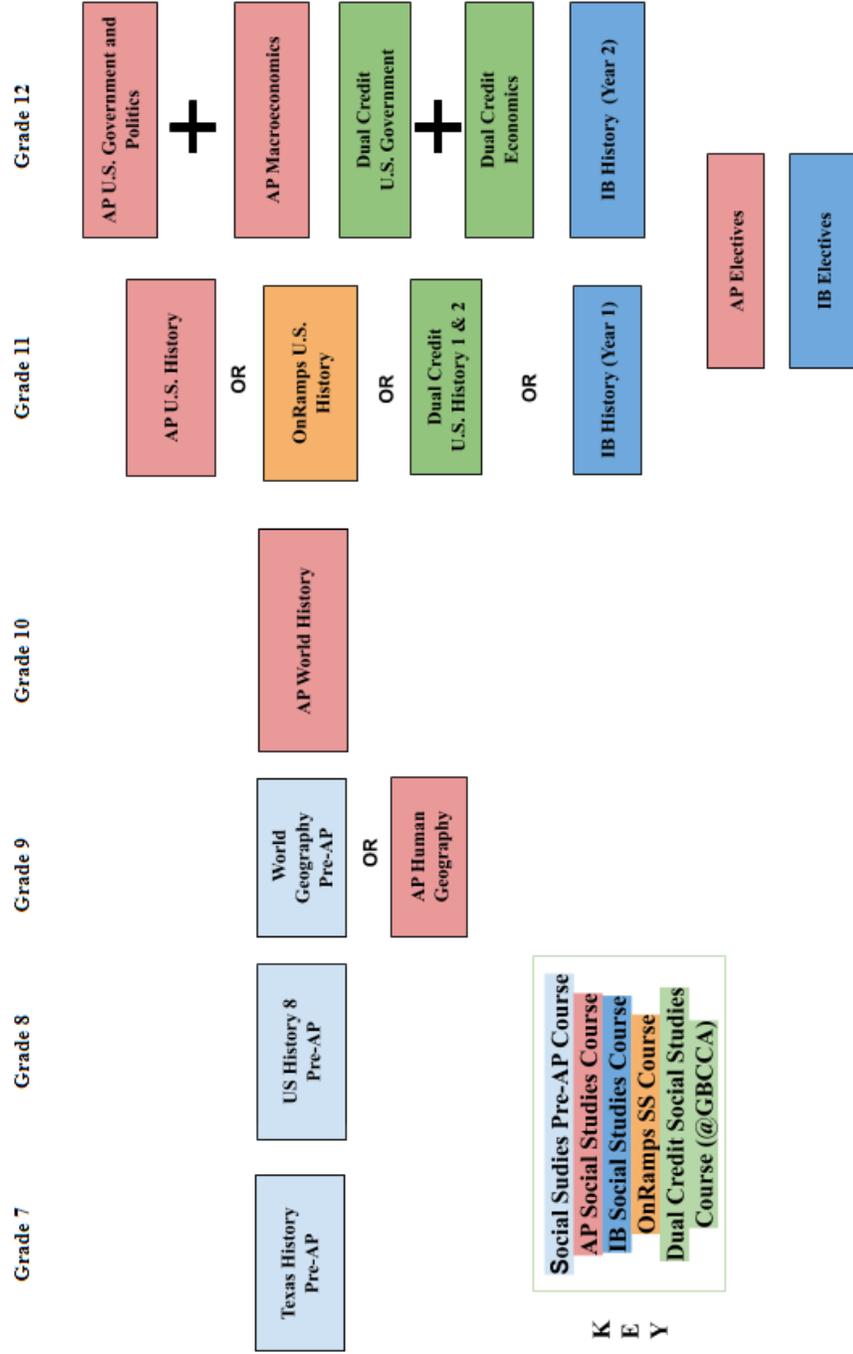
This course fulfills the state requirement for an advanced science credit.

The creative process of solving problems by identifying needs and then devising solutions. The course reinforces and integrates skills learned in previous mathematics and science courses while stimulating students' ingenuity, intellectual talents and practical skills in devising solutions to aerospace engineering design problems. Students will use the engineering design process cycle to investigate, design, plan, create and evaluate solutions while fostering an awareness of the social and ethical implications of technological development in Aerospace.

Grades 7-12 Social Studies Course Flowchart



Advanced Academics Social Studies Pathway Options



Social Studies Pre-AP Course
AP Social Studies Course
IB Social Studies Course
OnRamps SS Course
Dual Credit Social Studies Course (@GBCCA)

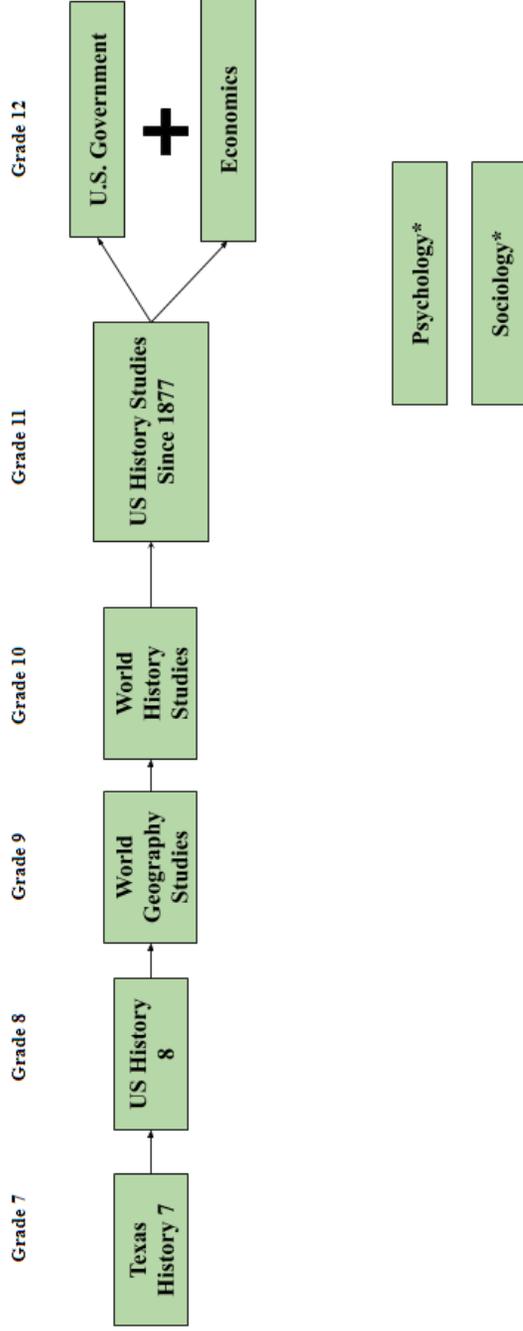
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Grades 7-12 Social Studies Course Flowchart



Rockwall ISD offers two Social Studies Pathways to meet our students' diverse needs. The typical pathway is the On-Level Social Studies Pathway. Students may also choose the Advanced Academics Social Studies Pathway depending on student interest and post-secondary goals.

On-Level Social Studies Pathway Options



* Indicates .5 credit (1 semester) Social Studies elective courses that can be taken anytime in Grades 10-12.

SOCIAL STUDIES

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)
World Geography Studies	1	9-12	None
World Geography Studies Pre-AP	1	9-12	History 8 Pre-AP recommended
AP Human Geography	1	9-12	History 8 Pre-AP and English 8 Pre-AP in 8 th grade recommended, Receives Meets or Masters on 8 th grade Social Studies and 8 th grade Reading STAAR
World History Studies	1	10-12	None
AP World History: Modern	1	10-12	Pre-AP World Geography or AP Human Geography recommended
United States History Studies Since 1877	1	11	None
AP United States History	1	11	AP World History: Modern recommended
United States Government	.5	12	None
AP U.S. Government and Politics	.5	12	AP United States History or OnRamps U.S. History recommended
Economics with Emphasis on Free Enterprise and Its Benefits	.5	12	None
AP Macroeconomics	.5	12	AP United States History or OnRamps U.S. History recommended
IB History	2	11 and 12	Enrollment in IB Diploma Programme; AP World History: Modern recommended
Psychology	.5	10-12	None
Special Topics in Social Studies: Psychology	.5	10-12	Semester 1 only; Two Social Studies credits earned (previous Pre-AP and AP social studies courses recommended)
AP Psychology	.5	10-12	Semester 2 only; Special Topics in Social Studies: Psychology
Sociology	.5	10-12	None
AP European History	1	11-12	Two Social Studies credits earned (previous Pre-AP and AP social studies courses)
Personal Financial Literacy	.5	10-12	None
OnRamps U.S. History (Dual Enrollment)	1	11	English II Pre-AP or English II
IB Economics	1	11 or 12	Enrollment in IB Programme or approved application
IB Philosophy	1	11 or 12	Enrollment in IB Programme or approved application
HIST 1301 United States History I (Dual Credit)	.5	11	Meet TSIA criteria
HIST 1302 United States History II (Dual Credit)	.5	11	Meet TSIA criteria
GOVT 2305 Federal Government (Dual Credit)	.5	12	Meet TSIA criteria
ECN 2301 Principles of Macroeconomics (Dual Credit)	.5	12	Meet TSIA criteria

WORLD GEOGRAPHY STUDIES

SSH001

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course examines physical and human geography of the world and the influence of geography on the past and present. A significant portion of the course centers around the physical processes; the characteristics of major landforms, climates, and ecosystems and their relationships; the political, economic and social processes that shape cultural patterns of regions, types of settlement, the distribution and movement of the world population, relationships among people, places and environments, and the concept of region.

WORLD GEOGRAPHY STUDIES PRE-AP

SSH01P

Grade Placement: 9-12

Prerequisite: History 8 Pre-AP recommended

Credit: 1

This course is designed to provide enrichment beyond mastery of the state essential knowledge and skills for World Geography as well as to equip students with critical thinking skills, analytical skills, and problem-solving strategies necessary for success in Advanced Placement courses. This course requires rigorous outside reading, writing assignments, and projects.

AP HUMAN GEOGRAPHY

SSH02A

Grade Placement: 9-12

Prerequisite: History 8 Pre-AP and English 8 Pre-AP in 8th Grade recommended, receives Meets or Masters on 8th grade Social Studies and 8th grade Reading STAAR

Credit: 1

Students are required to take an Advanced Placement exam.

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course requires rigorous outside reading, writing assignments, and projects. This course may be used to fulfill the World Geography Studies requirement for graduation. If this course is taken after World Geography credit has been awarded, the credit AP Human Geography will be transcribed as a local credit only. There is a fee associated with this course.

WORLD HISTORY STUDIES

SSH003

Grade Placement: 10-12

Prerequisite: None

Credit: 1

This course includes a survey of the history and development of various cultures and civilizations. The student will understand traditional history points of reference in world history and how the present relates to the past through the study of people and their reaction to the social, economic, religious, political, and geographical aspects of their world. Students are encouraged to compare and contrast various civilizations and periods in view of these major themes.

AP WORLD HISTORY: MODERN

SSH03A

Grade Placement: 10-12

Prerequisite: World Geography Pre-AP or AP Human Geography recommended

Credit: 1

Students are required to take an Advanced Placement exam.

AP World History: Modern will develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies from 1200 CE through the present. The course offers a balanced global coverage of Asia, Africa, Americas, and Europe. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. There is a fee associated with this course.

UNITED STATES HISTORY STUDIES SINCE 1877

SSH004

Grade Placement: 11

Prerequisite: None

Credit: 1

The state requires an EOC assessment at the end of this course.

This course presents the historical development of the United States to help students comprehend its social, cultural, and political institutions. Students gain an understanding of traditional historical points of reference in U.S. history from 1877 to present as well as an understanding of the historical causes of problems that exist in contemporary society. Key events include foreign affairs from the Spanish-American War to the present and domestic issues from the turn of the century through contemporary times.

AP UNITED STATES HISTORY

SSH04A

Grade Placement: 11

Prerequisite: AP World History: Modern recommended

Credit: 1

Students are required to take an Advanced Placement exam. The state requires an EOC assessment at the end of this course.

This course focuses on the knowledge and analytical skills needed to critically analyze and interpret events as students gain an understanding of selected topics and chronological periods from the Pre-Colombian to Modern Eras. Critical thinking, organizational, independent reading and writing skills are necessary as students will be required to exam historical materials, weigh relevant evidence and produce an informed persuasive opinion in essay format. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. There is a fee associated with this course.

UNITED STATES GOVERNMENT

SSH005

Grade Placement: 12

Prerequisite: None

Credit: .5

This course focuses on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of governments at the national, state and local level. Students will also learn the roles and responsibilities of U.S. citizenship.

ECONOMICS WITH EMPHASIS ON FREE ENTERPRISE AND ITS BENEFITS

SSH006

Grade Placement: 12

Prerequisite: None

Credit: .5

This course focuses on basic economic concepts, tools of analysis and the language of the discipline. Macroeconomic and microeconomic theories are introduced. Financial literacy is also emphasized to prepare students for managing their own solid personal finances.

AP U.S. GOVERNMENT AND POLITICS

SSH05A

Grade Placement: 12

Prerequisite: AP United States History or OnRamps U.S. History recommended

Credit: .5

Students are required to take an Advanced Placement exam.

AP United States Government and Politics is a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture in the United States. Students will read and analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments, and engage in an applied civics or politics research-based project. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. There is a fee associated with this course.

AP MACROECONOMICS

SSH06A

Grade Placement: 12

Prerequisite: AP United States History or OnRamps U.S. History recommended

Credit: .5

Students are required to take an Advanced Placement exam.

This course emphasizes the study of the national income and price determination. Students develop familiarity with economic performance measures, economic growth and international economics. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. There is a fee associated with this course.

IB HISTORY

SSH02I, SSH32I

Grade Placement: 11 and 12

Prerequisite: Enrollment in IB Programme; AP World History: Modern recommended.

Credit: 2

This course is taken over a two year period. The state requires an EOC assessment at the end of the first year of this two year course. Students are required to take the appropriate IB assessments.

The IB Diploma Programme History course aims to promote an understanding of history as a discipline, including the nature and diversity of sources, methods and interpretations. Students are encouraged to comprehend the present by reflecting critically on the past. They are further expected to understand historical developments at national, regional and international levels and learn about their own historical identity through the study of the historical experiences of different cultures. There is a fee associated with this course.

PSYCHOLOGY

SSH007

Grade Placement: 10-12

Prerequisite: None

Credit: .5

This course introduces the student to the science of psychology with emphasis on human behavior. This course includes the study of facts involved in human development, learning and thinking, intelligence, personality, abnormal behavior and treatment and careers in psychology.

SPECIAL TOPICS IN SOCIAL STUDIES: PSYCHOLOGY

SSH07C

Grade Placement: 10-12

Prerequisite: Semester 1 only; Two credits in Social Studies earned (previous Pre-AP and AP social studies courses recommended)

Credit: .5

This course is an elective class with a focus on the skills and science of psychology that includes research methodology, biological science and individual development. This class is a prerequisite for AP Psychology and receives AP weighted credit. There is a fee associated with this course.

AP PSYCHOLOGY

SSH07A

Grade Placement: 10-12

Prerequisite: Semester 2 only; Special Topics in Social Studies: Psychology

Credit: .5

Students are required to take an Advanced Placement exam.

This course introduces students to the systematic and scientific study of behavior and mental processes of human beings and animals. The course consists of the psychological facts, principles and phenomena associated with each of the major sub-fields with psychology. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. There is a fee associated with this course.

SOCIOLOGY

SSH008

Grade Placement: 10-12

Prerequisite: None

Credit: .5

This course provides a systematic approach to the study of group dynamics and models of individual and group relationships. The functionalist, conflict, and symbolic interactionist perspectives are evaluated in this introductory course. Topics include the history of sociology, research methods, social structure, deviance, prejudicial beliefs, the family and religion.

AP EUROPEAN HISTORY

SSH09A

Grade Placement: 11-12

Prerequisite: Two credits in social studies (previous Pre-AP and AP social studies coursework recommended)

Credit: 1

Students are required to take an Advanced Placement exam.

This course provides the student with a basic knowledge of history in Europe from 1450 to the present. Three basic themes that are covered are intellectual and cultural history, political and diplomatic history and social and economic history. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. There is a fee associated with this course.

PERSONAL FINANCIAL LITERACY

SSH015

Grade Placement: 10-12

Prerequisite: None

Credit: .5

Personal Financial Literacy will develop citizens who have the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. Students will apply critical thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and post-secondary education and training.

ONRAMPS U.S. HISTORY (DUAL ENROLLMENT)

SSH04D

Grade Placement: 11

Prerequisite: English II Pre-AP or English II

Credit: 1

The state requires an EOC assessment at the end of this course.

This is a rigorous social studies course aligned with entry-level courses taught at the college level. Students will study significant themes in US History through lecturers, primary and secondary readings, videos, maps, and other graphics. Exams will include essay questions that require students to craft historical narratives and arguments. This course is taught via OnRamps, which provides a dual credit option through the University of Texas for qualifying students. Students selecting this college-level course should have strong reading, writing, and critical thinking skills. Students will have extensive outside reading assignments. There is a fee associated with the dual credit portion of the course.

IB ECONOMICS

SSH04I

Grade Placement: 11 or 12

Prerequisite: Enrollment in IB Diploma Programme or approved application

Credit: 1

Students are required to take the appropriate IB Assessments.

IB Economics is a college-level economics course based on the IB curriculum. Economics is a dynamic social science, the study of which is essentially about dealing with scarcity, resource allocation and the methods and processes by which choices are made in the satisfaction of human wants. This course emphasizes the economic theories of microeconomics and macroeconomics. These theories are not to be studied in a vacuum, rather, they are to be applied to real-world issues. The course considers ethical dimensions of the application of theories and encourages students to develop international perspectives and raise awareness of their own responsibilities at local, national, and international levels. There is a fee associated with this course.

IB PHILOSOPHY

SSH05I

Grade Placement: 11 or 12

Prerequisite: Enrollment in IB Diploma Programme or approved application

Credit: 1

Students are required to take the appropriate IB Assessments.

The emphasis of this course is on “doing philosophy”, that is, on actively engaging in philosophical activity. The course is focused on stimulating students’ intellectual curiosity and encouraging them to examine both their own perspectives and those of others. Students are challenged to develop their own philosophical voice and to grow into independent thinkers, in addition to engaging with some of the world’s most interesting and influential thinkers. The course also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. There is a fee associated with this course.

HIST 1301 UNITED STATES HISTORY I (DUAL CREDIT)

SSH10D

Grade Placement: 11

Prerequisite: Meets TSIA criteria score of 4; or equivalent.

High School Credit: 0.5

College Credit: 3

This course is a survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

HIST 1302 UNITED STATES HISTORY II (DUAL CREDIT)

SSH11D

Grade Placement: 11

Prerequisite: Meets TSIA criteria

High School Credit: 0.5

College Credit: 3

This course is a survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

GOVT 2305 FEDERAL GOVERNMENT (DUAL CREDIT)

SSH05D

Grade Placement: 12

Prerequisite: Meets TSIA criteria

High School Credit: 0.5

College Credit: 3

This course studies the origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Prerequisite: Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ECON 2301 PRINCIPLES OF MACROECONOMICS (DUAL CREDIT)

SSH06D

Grade Placement: 12

Prerequisite: Meets TSIA criteria

High School Credit: 0.5

College Credit: 3

This course is an analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

LANGUAGES OTHER THAN ENGLISH (LOTE)

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)
Spanish I	1	9-12	None
Spanish II	1	9-12	Spanish I
Spanish II Pre-AP	1	9-12	Spanish I
Spanish II Pre-AP for Native Speakers	1	9-12	Spanish II, CBE or Spanish for Native Placement Test
Spanish III Pre-AP	1	10-12	Spanish II or Spanish II Pre-AP
AP Spanish IV (Spanish Language and Culture)	1	11-12	Spanish III Pre-AP
AP Spanish V (Spanish Literature)	1	11-12	AP Spanish IV
IB Spanish ab initio	2	11 and 12	No prior Spanish credit; Enrollment in IB Programme or approved application
IB Spanish B	1	11 or 12	Spanish III Pre-AP; Enrollment in IB Programme or approved application
French I	1	9-12	None
French II	1	10-12	French I
French II Pre-AP	1	10-12	French I
French III Pre-AP	1	11-12	French II Pre-AP
AP French IV (French Language and Culture)	1	11-12	French III Pre-AP
IB French ab initio	2	11 and 12	No prior French credit; Enrollment in IB Programme or approved application
IB French B	1	12	French III Pre-AP
American Sign Language (ASL) I	1	9-12	None
American Sign Language (ASL) II	1	10-12	ASL I
American Sign Language (ASL) III	1	11-12	ASL II
American Sign Language (ASL) IV	1	11-12	ASL III
The courses listed below are CTE courses that confer LOTE credit.			
AP Computer Science Principles	1	9-12	None (Algebra I recommended)
Computer Science I Pre-AP	1	9-12	Algebra I
AP Computer Science A (Math credit and LOTE Credit)	2	10-12	Algebra I

SPANISH I

LOTS01

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course introduces the Spanish-speaking world, the language, and the people. Emphasis is on the early acquisition of the spoken language while developing listening, reading, speaking and writing skills. Grammar skills are introduced through both oral and written expression. This course is intended for students who are at or above grade level skills in the areas of oral comprehension, speaking, reading, and writing. Students may purchase a Spanish/ English dictionary.

SPANISH II

LOTS02

Grade Placement: 9-12

Prerequisite: Spanish I

Credit: 1

This course reinforces and extends the four skills; listening, speaking, reading and writing. Writing with appropriate grammatical structure is emphasized to increase the range of students' knowledge of the language. Vocabulary is expanded through reading, writing exercises, and conversational practice.

SPANISH II PRE-AP

LOTS2P

Grade Placement: 9-12

Prerequisite: Spanish I

Credit: 1

Studies the material covered in Spanish II, with emphasis on learning strategies to prepare for Spanish III Pre-AP. Students are expected to become more proficient in the four language skills (reading, writing, listening, and speaking). Projects and cooperative learning groups are fundamental elements of this course.

SPANISH II PRE-AP FOR NATIVE SPEAKERS

LOTN2P

Grade Placement: 9-12

Prerequisite: Spanish I CBE or Spanish for Native Placement

Test Credit: 1

This course emphasizes both spoken and written Spanish. Students must be fluent in speaking their target language. This course will increase reading, grammar, and writing skills as well as study people and cultures of the Hispanic world. Multiple learning strategies will be provided to prepare students for Spanish III Pre-AP. Students will be expected to become more proficient in the four language skills (reading, writing, listening, and speaking).

SPANISH III PRE-AP

LOTS3P

Grade Placement: 10-12

Prerequisite: Spanish II Pre-AP

Credit: 1

This course covers the material and meet objectives found in Spanish III with emphasis on learning strategies to prepare for AP Spanish IV. Vocabulary expansion, grammatical concepts, oral and written skills, and a degree of fluency in silent reading and expression in oral reading are emphasized. Students acquire cultural insights and an appreciation of Spanish speaking countries.

AP SPANISH IV (SPANISH LANGUAGE AND CULTURE)

LOTS4A

Grade Placement: 11-12

Prerequisite: Spanish III Pre-AP

Credit: 1

Students are required to take an Advanced Placement exam.

This is a college-level course intended for students in their fourth year of high school Spanish. The three modes of communication—interpersonal, interpretive, and presentational - are the underlining tenets of the AP Spanish Language and Culture course. These modes have been clearly defined in the *Standards for Foreign Language Learning in the 21st Century*. Students enrolled in this course are expected to have a good command of grammar as well as strong listening, reading, speaking, and writing skills. Exclusive use of Spanish by teacher and students for active communication is expected in the classroom. In addition to using authentic materials and resources in the target language, students will use several primary textbooks in accordance with College Board guidelines. There is a fee associated with this course.

AP SPANISH V (SPANISH LITERATURE)

LOTS5A

Grade Placement: 11-12

Prerequisite: AP Spanish IV

Credit: 1

Students are required to take an Advanced Placement exam.

This is a college-level course intended for students in their fifth year of high school Spanish. The content of the course is a representative body of texts from Peninsular Spanish, Latin American, and U.S. Hispanic literature. In addition to continuing to develop language proficiency in the four skills (reading, writing, listening, and speaking), the course emphasizes critical analysis of literary texts, incorporating a contextual and cultural approach according to guidelines established by the Advanced Placement Committee of the College Board. Exclusive use of Spanish by teacher and students for active communication is expected in the classroom. There is a fee associated with this course.

IB SPANISH AB INITIO

LOTS3I

Grade Placement: 11 and 12

Prerequisite: Enrollment in IB Programme or approved application without prior Spanish credit

Credit: 2

This course is taken over a two year period. Students are required to take the appropriate IB Assessments. The IB Spanish ab initio course is designed for students with little or no prior experience of the Spanish Language. This course will receive 5.5 (Pre-AP/Dual Credit) GPA weighted points.

This Ab initio language course of study is based around three broad intercultural themes. Through the development of oral, presentational, and written skills, ab initio language encompasses the ability to respond and interact appropriately in a defined range of everyday language skills. There is a fee associated with this course.

IB SPANISH B

LOTS4I

Grade Placement: 11 or 12

Prerequisite: PAP Spanish III, Enrollment in IB Programme or approved application

Credit: 1

Students are required to take the appropriate IB Assessments.

The IB Diploma Programme Spanish standard level course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Spanish is designed for students who possess a degree of knowledge and experience in the target language. High performing standard level students should be able to follow university courses in other disciplines in the language that is studied. There is a fee associated with this course.

FRENCH I

LOTF01

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course emphasizes all four areas of language study: speaking, understanding, reading and writing. Vocabulary, along with essential grammatical structure, provides a beginning foundation for oral and written communication.

FRENCH II

LOTF02

Grade Placement: 10-12

Prerequisite: French I

Credit: 1

This course expands the four areas of language study introduced in French I. Greater emphasis is placed on oral and written communication skills at this level.

FRENCH II PRE-AP

LOTF2P

Grade Placement: 10-12

Prerequisite: French II

Credit: 1

This course covers all the materials and objectives of French II with emphasis on learning College Board skills and strategies to prepare for French III Pre-AP. Students are expected to become proficient in the oral skills, as the class will be conducted primarily in the French language.

FRENCH III PRE-AP

LOTF3P

Grade Placement: 11-12

Prerequisite: French II Pre-AP

Credit: 1

This course consists of the study of grammar and language with emphasis on the study of French literature and poetry. Students are required to compose original French works and practice skills and strategies to prepare for the AP Language exam. Classes are conducted primarily in French.

AP FRENCH IV (FRENCH LANGUAGE AND CULTURE)

LOTF4A

Grade Placement: 11-12

Prerequisite: French III Pre-AP

Credit: 1

Students are required to take an Advanced Placement exam.

This course extends the development of the four primary language skills: reading, writing, listening and speaking. This course focuses on knowledge of the language and culture through literature, structure, and conversation. Students read selections from classic and contemporary literature, view artistic masterpieces and explore the culture of la Francophonie (French-speaking countries). Students are required to take an Advanced Placement exam. There is a fee associated with this course.

IB FRENCH AB INITIO

LOTF5I

Grade Placement: 11 and 12

Eligibility: IB Diploma, no prior credit in French

Prerequisite: Enrollment in IB Programme or approved application without prior French credit

Credit: 2

This course is taken over a two year period. Students are required to take the appropriate IB Assessments. The IB French ab initio course is designed for students with little or no prior experience of the French Language. This course will receive 5.5 (Pre-AP/Dual Credit) GPA weighted points.

Ab initio language is a course of study based around three broad intercultural themes. Through the development of oral, presentational, and written skills, ab initio language encompasses the ability to respond and interact appropriately in a defined range of everyday language skills. There is a fee associated with this course.

IB FRENCH B

LOTF4I

Grade Placement: 12

Prerequisite: PAP French III; Enrollment in IB Programme or approved application

Credit: 1

Students are required to take the appropriate IB Assessments.

The IB Diploma Programme French standard level course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. IB French is designed for students who possess a degree of knowledge and experience in the target language. High performing standard level students should be able to follow university courses in other disciplines in the language that is studied. There is a fee associated with this course.

AMERICAN SIGN LANGUAGE (ASL) I

LOTA01

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Course is an introductory deaf language course. Students acquire basic sign skills relevant to introductions, daily routines and descriptions. Deaf culture awareness, deaf history and ASL parameters are covered.

AMERICAN SIGN LANGUAGE (ASL) II

LOTA02

Grade Placement: 10-12

Prerequisite: ASL I

Credit: 1

Reinforces and expands on skills acquired in ASL I. ASL is used during instruction. Students present increasingly elaborate narratives that incorporate cultural cues and indicators, as well as demonstrating a command of the unique grammar of the language. Deaf history is studied in depth.

AMERICAN SIGN LANGUAGE (ASL) III

LOTA03

Grade Placement: 11-12

Prerequisite: ASL II

Credit: 1

Continues the study of sign parameters and ASL grammar with an emphasis on Deaf Community literature. Students create original presentations that encompass a variety of topics in depth and demonstrate a strong command of the language.

AMERICAN SIGN LANGUAGE (ASL) IV

LOTA04

Grade Placement: 11-12

Prerequisite: ASL III

Credit: 1

Continues the study of sign parameters and ASL grammar with an emphasis on Deaf Community literature. Students create original presentations that encompass a variety of topics in depth and demonstrate a strong command of the language.

The courses listed below are CTE courses that confer foreign language credit.

AP COMPUTER SCIENCE PRINCIPLES

TEC07A

Grade Placement: 9-12

Required Prerequisite: None (Algebra I recommended)

Credit: 1 (LOTE Credit)

This course meets state requirements for a foreign language (LOTE) credit. Students are required to take an Advanced Placement exam.

This is an advanced placement computer science course focusing on the power, beauty, and joy of computing and showing how computing impacts almost every aspect of our lives. Students should be prepared for college level rigor to complete two complex projects. Students learn how computational thinking can help solve real-world problems in varied fields such as forensics, social networking, and artificial intelligence. Students also develop basic programming skills. This course can be used to satisfy one Foreign Language requirement. Students are required to take an Advanced Placement exam. There is a fee associated with this course.

COMPUTER SCIENCE I PRE-AP

TEC

Grade:9-12

Required Prerequisite: Algebra I

Credit: 1 (LOTE Credit)

This course meets state requirements for a foreign language credit (LOTE) Credit

Computer Science I is designed to foster students' creativity and innovation by presenting opportunities to design, implement and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor and with various electronic communities to solve the problems presented throughout the course. Data analysis will include the identification of task requirements, planning search strategies and the use of computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results. Students will learn to become good digital citizens by practicing integrity and respect throughout the Computer Science I course. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

AP COMPUTER SCIENCE A

TEC01A and TEC01B

Grade Placement: 11-12

Required Prerequisite: Algebra I

Recommended Prerequisite: None

Credit: 2 (1 LOTE, 1 Math)

Students are required to take an Advanced Placement exam. This course is one class period. This course meets graduation requirements for an advanced math credit and one foreign language credit (LOTE).

Introduces Advanced Placement topics using Java as the primary programming language. Computer Science emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in college-level computer science. It also includes the study of data structures and abstraction. There is a fee associated with this course.

INTERNATIONAL BACCALAUREATE

IB Diploma Programme students study six courses, thus ensuring breadth of experience in English, a second language, social studies, the experimental sciences, and mathematics. The sixth subject may be an arts subject or an additional course from one of the other areas of study. In addition, the programme has three core requirements that are included to broaden the educational experience and challenge students to apply their knowledge and understanding. **The extended essay** is a requirement for students to engage in independent research through an in-depth study of a question relating to one of the subjects they are studying. **Theory of knowledge (TOK)** is a course designed to encourage each student to reflect on the nature of knowledge by critically examining different ways of knowing (perception, emotion, language and reason) and different kinds of knowledge (scientific, artistic, mathematical and historical). **Creativity, activity, service (CAS)** requires that students actively learn from the experience of doing real tasks beyond the classroom. Students can combine all three components or do activities related to each one of them separately. In addition, many IB courses can be taken as “certificate only” credit without pursuing the separate IB Diploma.

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation
IB English Literature Higher Level*	2	11 and 12	English II or English II Pre-AP
IB History Higher Level	2	11 and 12	AP World History Modern recommended
IB Mathematics: Applications and Interpretation Higher Level	2	11 and 12	Must have earned Algebra II credit
IB Environmental Systems and Societies Standard Level*	1	11 or 12	Biology and Chemistry
IB Biology Standard Level*	1	11 and/or 12	Biology (Biology Pre-AP recommended)
IB Physics Standard Level*	1 or 2	11 and/or 12	Algebra II Pre-AP
IB Chemistry Standard Level*	1 or 2	11 and/or 12	Chemistry (Chemistry Pre-AP recommended)
IB Spanish ab initio Standard Level	2	11 and 12	No prior Spanish credit
IB Spanish B Standard Level*	1	11 or 12	Spanish III Pre-AP
IB French ab initio Standard Level	2	11 and 12	No prior French credit
IB French B Standard Level*	1	12	French III Pre-AP
IB Music Standard Level*	1	11 and 12	Concurrent enrollment in Choir 3/4, Band 3/4, Orchestra 3/4, or Piano 3/4
IB Visual Arts Standard Level*	1	11 or 12	Art I or teacher approval
IB Visual Arts Higher Level*	2	11 and 12	Art I or teacher approval
IB Theory of Knowledge	1	11 and 12	Must be an IB Diploma Candidate
IB Film Standard Level*	1	11 or 12	None
IB Economics Standard Level*	1	11 or 12	None
IB Philosophy Standard Level*	1	11 or 12	None
IB Research Year 1	1 Local	11	Must be an IB Diploma candidate
IB Research Year 2	1 Local	12	Must be an IB Diploma candidate

*These International Baccalaureate courses may be taken by students not pursuing the full IB diploma. These IB course students will take the same internal and external assessments as the IB diploma students and can earn college credit for passing prescribed IB assessments.

IB Diploma Programme only elective: These classes are scheduled in addition to IB Theory of Knowledge to serve as one course on an IB Diploma Programme student’s schedule. For more detailed information regarding the International Baccalaureate Diploma Programme, please consult your school’s IB Campus Coordinator or Campus IB Counselor.

IB ENGLISH LITERATURE HIGHER LEVEL

ELA03I, ELA04I

Grade Placement: 11 AND 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: English II

Credit: 2

This course is taken over a two year period. Students are required to take the appropriate IB Assessments.

The IB Diploma Programme English literature course develops an understanding of the techniques involved in literary criticism and promotes the ability to form independent literary judgments. In English literature, the formal analysis of texts and wide coverage of a variety of literature—both in the language of the subject and in translated texts from other cultural domains—is combined with a study of the way literary conventions shape responses to texts. Students completing this course will have a thorough knowledge of a range of texts and an understanding of other cultural perspectives. They will also have developed skills of analysis and the ability to support an argument in clearly expressed writing, sometimes at significant length. This course will enable them to succeed in a wide range of university courses, particularly in literature but also in subjects such as philosophy, law and language. Texts studied are chosen from the Prescribed Literature in Translation (PLT) list and the Prescribed List of Authors (PLA) or elsewhere. The PLT list is a wide-ranging list of works in translation, from a variety of languages, allowing teachers to select works in a language different from the language of the examination. The PLA lists authors from the language of the examination. The authors on the list are appropriate for students aged 16 to 19. There is a fee associated with this course.

IB HISTORY HIGHER LEVEL

SSH02I, SSH32I

Grade Placement: 11 and 12

Eligibility: IB Diploma Candidate

Prerequisite: AP World History: Modern

Credit: 2

This course is taken over a two year period. Students are required to take the appropriate IB Assessments. The state requires an EOC assessment at the end of the first year of this two year course.

The IB Diploma Programme History course aims to promote an understanding of history as a discipline, including the nature and diversity of sources, methods and interpretations. Students are encouraged to comprehend the present by reflecting critically on the past. They are further expected to understand historical developments at national, regional and international levels and learn about their own historical identity through the study of the historical experiences of different cultures. There is a fee associated with this course.

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION HIGHER LEVEL

MAT13I, MAT21I, MAT22I, MAT23I

Grade Placement: 11 and 12 (Higher Level)

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Algebra II credit

Credit: 1 2 (Higher Level)

This course is taken over a two year period. Students are required to take the appropriate IB Assessments.

This IB mathematics course is designed for students who enjoy describing the real world and solving practical problems using mathematics, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics. There is a fee associated with this course.

IB ENVIRONMENTAL SYSTEMS AND SOCIETIES (ESS) STANDARD LEVEL

SCI35I

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Biology and Chemistry

Credit: 1

Students are required to take the appropriate IB Assessments.

Environmental systems and societies (ESS) is an interdisciplinary course offered only at standard level (SL). This course can fulfill either the individuals and societies or the sciences requirement. Alternatively, this course enables students to satisfy the requirements of both subjects groups simultaneously while studying one course. ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world. The interdisciplinary nature of the Diploma Programme course requires a broad skill set from students, including the ability to perform research and investigations, participation in philosophical discussion and problem-solving. The course requires a systems approach to environmental understanding and promotes holistic thinking about environmental issues. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, knowledge transfer and use of primary sources. They encourage students to develop solutions at the personal, community and global levels. There is a fee associated with this course.

IB BIOLOGY STANDARD LEVEL

SCI05I, SCI06I, SCI07I

Grade Placement: 11 and/or 12

Eligibility: IB Diploma Candidate or approved IB course application

Prerequisite: Biology (Pre-AP Biology recommended)

Credit: 1 and/or 2

This course may be taken over a two year period. Students are required to take the appropriate IB Assessments.

Biology is the study of life. The vast diversity of species makes biology both an endless source of fascination and a considerable challenge. Biologists attempt to understand the living world at all levels from the micro to the macro using many different approaches and techniques. Biology is still a young science and great progress is expected in the 21st century. This progress is important at a time of growing pressure on the human population and the environment. By studying IB Biology in the Diploma Programme students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the sciences. Teachers provide students with opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. There is a fee associated with this course.

IB PHYSICS HIGHER LEVEL/STANDARD LEVEL

SCI04I, SCI24I, SCI34I

Grade Placement: 11 and/or 12

Eligibility: IB Diploma Candidate or approved IB course application

Prerequisite: Algebra II Pre-AP

Credit: 1 or 2

This course may be taken over a two year period. Students are required to take the appropriate IB Assessments.

Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself, from the very smallest particles to the vast distances between galaxies. Despite the exciting and extraordinary development of ideas throughout the history of physics, observations remain essential to the very core of the subject. Models are developed to try to understand observations, and these themselves can become theories that attempt to explain the observations. Besides helping us better understand the natural world, physics gives us the ability to alter our environments. By studying physics students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings. There is a fee associated with this course.

IB CHEMISTRY HIGHER LEVEL/STANDARD LEVEL

SCI03I, SCI08I, SCI09I

Eligibility: IB Diploma Candidate or approved IB course application

Grade Placement: 11 and/or 12

Prerequisite: Chemistry (Pre-AP Chemistry recommended)

Credit: 1 or 2

This course may be taken over a two year period. Students are required to take the appropriate IB Assessments.

The IB Diploma Programme Chemistry standard level course is an experimental science that combines academic study with the acquisition of practical and investigational skills. Chemical principles underpin both the physical environment in which we live and all biological systems. Chemistry is often a prerequisite for many other courses in higher education, such as medicine, biological science and environmental science. Both theory and practical work should be undertaken by all students as they complement one another naturally, both in school and in the wider scientific community. The IB Chemistry course allows students to develop a wide range of practical skills and to increase facility in the use of mathematics. It also allows students to develop interpersonal and information technology skills, which are essential to life in the 21st century. By studying chemistry students should become aware of how scientists work and communicate with each other. While the scientific method may take on a wide variety of forms, it is the emphasis on a practical approach through experimental work that characterizes the subject. Teachers provide students with opportunities to develop manipulative skills, design investigations, collect data, analyse results and evaluate and communicate their findings. There is a fee associated with this course.

IB SPANISH AB INITIO STANDARD LEVEL

LOTS3I

Grade Placement: 11-12

Eligibility: IB Diploma Programme, no prior credit in Spanish

Prerequisite: Must be an IB Diploma Candidate without prior Spanish credit

Prerequisite: None

Credit: 2

This course is taken over a two year period. Students are required to take the appropriate IB Assessments. The IB Spanish ab initio course is designed for students with little or no prior experience of the Spanish Language. This course will receive 5.5 (Pre-AP/Dual Credit) GPA weighted points.

This Ab initio language course of study is based around three broad intercultural themes. Through the development of oral, presentational, and written skills, ab initio language encompasses the ability to respond and interact appropriately in a defined range of everyday language skills. There is a fee associated with this course.

IB SPANISH B STANDARD LEVEL

LOTS4I

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate or approved IB course application

Prerequisite: Spanish III Pre-AP Credit

Credit: 1

This course is taken over a two year period. Students are required to take the appropriate IB Assessments.

The IB Diploma Programme Spanish standard level course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. Spanish is designed for students who possess a degree of knowledge and experience in the target language. High performing standard level students should be able to follow university courses in other disciplines in the language that is studied. There is a fee associated with this course.

IB FRENCH AB INITIO STANDARD LEVEL

LOTF5I

Grade Placement: 11-12

Eligibility: IB Diploma Candidate, no prior credit in French

Prerequisite: Must be an IB Diploma Candidate without prior French credit.

Credit: 2

This course is taken over a two year period. Students are required to take the appropriate IB Assessment. The IB French ab initio course is designed for students with little or no prior experience of the French Language. This course will receive 5.5 (Pre-AP/Dual Credit) GPA weighted points.

Ab initio language is a course of study based around three broad intercultural themes. Through the development of oral, presentational, and written skills, ab initio language encompasses the ability to respond and interact appropriately in a defined range of everyday language skills. There is a fee associated with this course.

IB FRENCH B STANDARD LEVEL

LOTF4I

Grade Placement: 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: French III Pre-AP

Credit: 1

Students are required to take the appropriate IB Assessments.

The IB Diploma Programme French standard level course provides students with the opportunity to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. IB French is designed for students who possess a degree of knowledge and experience in the target language. High performing standard level students should be able to follow university courses in other disciplines in the language that is studied. There is a fee associated with this course.

IB MUSIC STANDARD LEVEL

FIN10I, FIN20I

Grade Placement: 11 and 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Concurrent enrollment in Choir 3/4, Band 3/4, Orchestra 3/4, or Piano 3/4 and IB course student with approved application

Credit: 1

This course is taken over a two year period. Students are required to take the appropriate IB Assessments.

The IB Diploma Programme standard level music course seeks to develop student's knowledge and potential as musicians, both personally and collaboratively. IB Diploma Programme music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. Through the course of study, students become aware of how musicians work and communicate. There is a fee associated with this course.

IB VISUAL ARTS HIGHER LEVEL/STANDARD LEVEL

ART01I, ART02I, ART03I

Grade Placement: 11 or 12 (Standard Level); or 11 and 12 (Higher Level)

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Art 1 or teacher approval

Credit: 1 or 2

Students are required to take the appropriate IB Assessments.

The IB Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. There is a fee associated with this course.

IB THEORY OF KNOWLEDGE

SSH011

Grade Placement: 11 and 12

Eligibility: Enrollment in the IB Diploma Programme

Prerequisite: IB Diploma Programme enrollment

Credit: 1 (enrolled students will receive .5 TOK credit in Grade 11 and .5 TOK credit in Grade 12)

Students are required to take the appropriate IB Assessments.

Theory of knowledge (TOK) is a course about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge. It plays a special role in the diploma programme by providing an opportunity for students to reflect on the nature of knowledge, to make connections between areas of knowledge and to become aware of their own perspectives and those of the various groups whose knowledge they share. It is a core element undertaken by all diploma programme students. The overall aim of TOK is to encourage students to formulate answers to the question “how do you know?” in a variety of contexts, and to see the value of that question. This allows students to develop an enduring fascination with the richness of knowledge. There is a fee associated with this course.

IB FILM STANDARD LEVEL

FIN011

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: None

Credit: 1

Students are required to take the appropriate IB Assessments.

The IB Film course aims to develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and through practical exercises in film production, the film course develops students’ critical abilities and their appreciation of artistic, cultural, historical and global perspectives in film. Students examine film concepts, theories, practices and ideas from multiple perspectives, challenging their own viewpoints and biases in order to understand and value those of others. IB Film students experiment with film and multimedia technology, acquiring the skills and creative competencies required to successfully communicate through the language of the medium. They develop an artistic voice and learn how to express personal perspectives through film. The film course emphasizes the importance of working collaboratively. It focuses on the international and intercultural dynamic that triggers and sustains contemporary film, while fostering in students an appreciation of the development of film across time, space and culture. There is a fee associated with this course.

IB ECONOMICS STANDARD LEVEL

SSH041

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: None

Credit: 1

Students are required to take the appropriate IB Assessments.

IB Economics is a college-level economics course based on the IB curriculum. Economics is a dynamic social science, the study of which is essentially about dealing with scarcity, resource allocation and the methods and processes by which choices are made in the satisfaction of human wants. This course emphasizes the economic theories of microeconomics and macroeconomics. These theories are not to be studied in a vacuum, rather, they are to be applied to real-world issues. The course considers ethical dimensions of the application of theories and encourages students to develop international perspectives and raise awareness of their own responsibilities at local, national, and international levels. There is a fee associated with this course.

IB PHILOSOPHY STANDARD LEVEL

SSH051

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate OR approved IB Course application

Prerequisite: None

Credit: 1

Students are required to take the appropriate IB Assessments.

The emphasis of this course is on “doing philosophy,” that is, on actively engaging in philosophical activity. The course is focused on stimulating students’ intellectual curiosity and encouraging them to examine both their own perspectives and those of others. Students are challenged to develop their own philosophical voice and to grow into independent thinkers, in addition to engaging with some of the world’s most interesting and influential thinkers. The course also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgments and to evaluate highly complex and multifaceted issues. There is a fee associated with this course.

IB RESEARCH YEAR I

IBRCH1

Grade: 11

Eligibility: Must be an IB Diploma candidate

Semester: 1

Credit: .5 local only

IB Research Year I will introduce diploma students to the International Baccalaureate philosophy, mission, and Learner Profile. The Extended Essay (EE) and Creativity, Activity, and Service (CAS) requirements for the program are taught and implemented. Students will meet preliminary EE and CAS requirements during this semester. This course is limited to students enrolled in the full IB Diploma Programme.

IB RESEARCH YEAR II

IBRCH2

Grade: 12

Eligibility: Must be an IB Diploma candidate

Semester: 2

Credit: .5 local only

IB Research Year II will allow diploma students to complete Extended Essay (EE) and Creativity, Activity, and Service (CAS) requirements for the program, gaining a deeper understanding of the Learner Profile through a culture of collaborative and teacher-led instruction. Students will meet final EE and CAS requirements during this semester. This course is limited to students enrolled in the full IB Diploma Programme.

DUAL CREDIT PROGRAMS

The Collin College Dual Credit courses are taught by college professors that earn both high school credit and college credit simultaneously. Courses are taught at the Dr. Gene Burton College and Career Academy (GBCCA) and follow the Rockwall ISD bell schedule. Dual Credit students can choose to enroll in any of the courses below as long as they complete the enrollment process designated by the higher education institution (Collin College) and Rockwall ISD. Part of the enrollment process is demonstrating college readiness via the Texas Success Initiative Assessment (TSIA) or provide state approved exemptions or waivers. Waivers must be signed off by the student's high school counselor.

Students participating in the dual credit program are considered college students and are required to abide by all college policies and procedures. It is the students' responsibility to know all drop, withdrawal, schedule, and student code of conduct policies for the higher education institution. Information is provided on the districts dual credit website to assist students, along with attending the information sessions held by the higher education institution and the student fall orientation (both are mandatory for the student to attend). Technical Dual Credit courses might require additional enrollment materials and requirements. **All courses unless designated are Collin College courses. Students pay Collin College in-county Tuition and Fees and must purchase their own textbooks.** <https://www.rockwallisd.com/domain/2180>

Collin College Dual Credit Program

College Course Title	High School Equivalent Course	HS Credit	College Credit	Grade Levels	Course Prerequisite Required <i>All courses require TSIA Exemptions or waivers.</i>
ENGL 1301 Composition I	English III or English IV	.5	3	11 or 12	TSIA Reading, Writing and Essay exemption or waiver.
ENGL 1302 Composition II	English III or English IV	.5	3	11 or 12	ENGL 1301 ; Requires TSIA Reading, Writing and Essay exemption or waiver.
ENGL 2332 World Literature I	English IV	.5	3	12	ENGL 1301 and ENGL 1302 ; Requires TSIA Reading, Writing and Essay exemption or waiver.
ENGL 2333 World Literature II	English IV	.5	3	12	ENGL 2332 ; Requires TSIA Reading, Writing and Essay exemption or waiver.
MATH 1314 College Algebra	Advanced Mathematics Course	.5	3	12	TSIA college-readiness standard for Mathematics score of 350.
MATH 1342 Elementary Statistics	Advanced Mathematics Course	.5	3	12	TSIA college-readiness standard for Mathematics score of 350.
HIST 1301 U.S. History	U.S. History	.5	3	11	TSIA Reading, Writing and Essay exemption or waiver.
HIST 1302 U.S. History	U.S. History	.5	3	11	HIST 1301 ; Requires TSIA Reading, Writing and Essay exemption or waiver.
GOVT 2305 Federal Government	United States Government	.5	3	12	TSIA Reading, Writing and Essay exemption or waiver.
ECON 2301 Principles of Macroeconomics	Economics	.5	3	12	TSIA Reading, Writing and Essay exemption or waiver.

Collin College Technical Dual Credit Program

Patient Care Technician Program (PCT) <i>Two year program</i>	Practicum in Health Science I and II	6 total (3 each year)	18	11 and 12	Must complete admissions requirements determined by Collin College.
Electrocardiography (EKG)	Practicum in Health Science I (or II)	3	10	12	Must complete admissions requirements determined by Collin College.
Central Sterile Processing (CSP) (Online in Fall with onsite Internship in Spring)	Practicum in Health Science I (or II)	3	16	12	Must complete admissions requirements determined by Collin College.

Additional Technical Dual Credit Programs

Welding Programs	3 each year	3 each year		11-12	Must complete admissions requirements determined by the partnering institution.
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Texas Success Initiative Assessment (TSIA) Exemption and Waivers

Texas Success Initiative Assessment minimum required scores:

- TSIA Reading minimum score of 351
- TSIA Writing minimum score of 340 with Essay score of 4
- TSIA Math minimum score of 350

TSIA Exemptions:

- SAT Evidence-Based Reading and Writing (EBRW) minimum score of 480, Mathematics minimum score of 530 (no combined score needed); Official scores must be sent to the college via www.collegeboard.org.
- ACT Score of a 23 or higher on the ACT composite and a minimum of 19 on **both** the English and math tests. Official scores must be sent to the college via www.act.org.

TSIA Waivers:

- Waivers are only used for students enrolling in dual credit. The waiver is used to allow students into the college level courses and require an official letter signed off by a high school counselor. Once the student completes the college level course they are then exempt from that TSIA portion.
- Acceptable Waivers:
 - STAAR English II Score of 4000; STAAR Algebra I Score of 4000 PLUS a grade of 70 in Algebra II.
 - PSAT Reading/Writing score of 460; PSAT Math score of 510
- *Students only need exemptions or waivers for the subject they wish to enroll in. Math scores are only required for college-level math courses.*

Collin College Dual Credit Program

This program is facilitated through Collin College, all application and enrollment requirements are determined by the college. Students must pay in county tuition and fees for the courses, in addition to any required materials.

ENGL1301 COMPOSITION I

ELA03D or ELA04D

Grade Placement: 11 or 12

Required Prerequisite: TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ENGL 1302 COMPOSITION II

ELA03D or ELA04D

Grade Placement: 11 or 12

Required Prerequisite: ENGL 1301; TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ENGL 2332 WORLD LITERATURE I

ELA05D

Grade Placement: 12

Required Prerequisite: ENGL 1301 and 1302; TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ENGL 2333 WORLD LITERATURE II

ELA05D

Grade Placement: 12

Required Prerequisite: ENGL 2332; TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

MATH 1314 COLLEGE ALGEBRA

MAT01D

Grade Placement: 12

Required Prerequisite: TSIA college-readiness standard for Mathematics score of 350.

High School Credit: 0.5

College Credit: 3

In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included. Graphing calculator required. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

MATH 1342 ELEMENTARY STATISTICS METHODS

MAT01D

Grade Placement: 12

Required Prerequisite: TSIA college-readiness standard for Mathematics score of 350; or equivalent

High School Credit: 0.5

College Credit: 3

Collection, analysis, presentation and interpretation of data and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended. Graphing calculator required. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

HIST 1301 UNITED STATES HISTORY I

SSH10D

Grade Placement: 11

Required Prerequisite: Requires TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

HIST 1302 UNITED STATES HISTORY II

SSH11D

Grade Placement: 11

Required Prerequisite: HIST 1301; Requires TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

GOVT 2305 FEDERAL GOVERNMENT

SSH05D

Grade Placement: 12

Required Prerequisite: TSIA college-readiness standard: Reading score of 351, Writing score of 340, and Essay score of 4; or equivalent

High School Credit: 0.5

College Credit: 3

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

ECON 2301 PRINCIPLES OF MACROECONOMICS

SSH06D

Grade Placement: 12

Required Prerequisite: TSIA Reading, Writing and Essay exemption or waiver.

High School Credit: 0.5

College Credit: 3

Analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, and fiscal policy and monetary policy. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

Collin College Technical Dual Credit Program

This program is facilitated through Collin College, all application and enrollment requirements are determined by the college. Students must pay in county tuition and fees for the courses, in addition to any required materials.

Students interested in technical dual credit courses might have additional application requirements and procedures determined by Collin College Health Science Department and Rockwall ISD. Please check with the CTE Counselor at GBCCA for additional information. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

PATIENT CARE TECHNICIAN (PCT)

HLS

Grade Placement: 11 and 12 (This is a two-year program.)

Required Prerequisite: Health Science Theory

High School Credit: 6 (3 each year)

College Credit: 18

Certification: Certified Nurse Aid (CNA), Certified EKG (CET), Certified Patient Care Technician (CPCT/A)

This course is a 2-year selective admission dual credit clinical program designed to equip students for an entry-level position in the hospital or urgent care setting. PCT students will receive training in three separate areas. In 11th grade, they will be trained as a Certified Nurse Aide (CNA) and have the opportunity to practice their skills in a skilled nursing facility. In 12th grade, they will be trained in Electrocardiography in the fall semester and Phlebotomy in the spring semester. After successfully completing the three program areas, students will complete a capstone portfolio project, and be eligible to sit for the national certification exam to become a Certified Patient Care Technician/Assistant (CPCT/A).

ELECTROCARDIOGRAPHY TECHNICIAN (EKG)

HLS24D

Grade Placement: 12

Required Prerequisite: Health Science Theory

High School Credit: 3

College Credit: 10

Certification: Certified EKG (CET)

This course is a selective admission dual credit clinical program designed to equip students for an entry-level position in the electrocardiography field. Students will have the opportunity to study cardiac anatomy, practice electrocardiography placement and interpretation, learn about echocardiography, and experience clinical rotations. At the conclusion of the course, students will sit for a national certification exam to become a Certified EKG Technician (CET).

CENTRAL STERILE PROCESSING/PRE-SURGICAL TECHNICIAN (CSP)

HLS23D

Grade Placement: 12

Required Prerequisite: Health Science Theory

High School Credit: 3

College Credit: 16

Certification: Certified Registered Central Service Technician (CRCST)

This course is a selective admission dual credit clinical program designed to equip students for an entry-level position in the sterile processing field by offering a blended course of online and lecture instruction, and providing students with problem-solving exercises and real-world experience. **NOTE:** In order to participate in this program, students must be 18 years old by the 3rd Monday in January, and must be available to work a minimum of 25 hours/week in a clinical setting during the spring semester of their senior year. Students who successfully complete the curriculum will be eligible to sit for the national certification examination administered by the International Association of Healthcare Central Service Material Management (IAHCSMM). Those students passing the exam are allowed to use the title Certified Registered Central Service Technician.

High School - Dual Credit Crosswalk

High School Credit 0.5 = 1 semester. Two courses are required for one year of credit.

High School Course Title	High School Credit	Collin College Course Title	College Hours Credit
English III or English IV	0.5	ENGL 1301 Composition I	3
	0.5	ENGL 1302 Composition II	3
English IV	0.5	ENGL 2332 World Literature I	3
	0.5	ENGL 2333 World Literature II	3
Advanced Mathematics Course	0.5	MATH 1314 College Algebra	3
Advanced Mathematics Course	0.5	MATH 1342 Elementary Statistical Methods	3
Economics	0.5	ECON 2301 Principles of Macroeconomics	3
Government	0.5	GOVT 2305 Federal Government	3
U.S. History	0.5	HIST 1301 U.S. History I	3
	0.5	HIST 1302 U.S. History II	3
Electrocardiography (EKG) Practicum in Health Science I (or II)	3	DSAE 2303 Cardiovascular Concepts	3
		DSAE 1340 Diagnostic Electrocardiography	3
		DSAE 1315 Principles of Adult Echocardiography	3
		Clinical - Health Services/Allied Health/Health Sciences, General	1
Central Sterile Processing (CSP) Practicum in Health Science I (or II)	3	HPRS 1470 Central Sterile Processing I	4
		HPRS 1370 Central Sterile Processing II	3
		HPRS 1471 Central Sterile Processing III	3
		HPRS 1561 Clinical - Health Services/Allied Health/Health Sciences, General	5
Patient Care Technician (PCT) Practicum in Health Science I and II Two year program 11 th and 12 th grades.	6 total (3 each year)	NURA 1301 Nurse Aide for Health Care	3
		NURA 1160 Clinical - Nursing Assistant/Aide and Patient Care Assistant/Aide	1
		HPRS 1303 End of Life Issues	3
		DSAE 2303 Cardiovascular Concepts	3
		DSAE 1340 Diagnostic Electrocardiography	3
		DSAE 1315 Principles of Adult Echocardiography	3
		Clinical - Health Services/Allied Health/Health Sciences, General	1
		PLAB 1323 Phlebotomy	3
HPRS 1191 Special Topics in Health Professions and Related Sciences	1		

Eastfield Campus Of Dallas County Community College District

Course sequencing for Welding Dual Credit or Automotive Technology Dual Credit is determined by Eastfield College. Certain courses are only offered during specific semesters of the school year. Course work necessary to obtain certificates in Welding Dual Credit or Automotive Technology Dual Credit are listed on the following pages.

Welding-Dual Credit at Eastfield College*

The Welding career field is part of the Manufacturing Career Cluster and includes careers that plan, manage, and perform the processing of raw materials into intermediate or final products and the related professional and technical support activities. Students participating in this pathway participate in dual credit welding courses at Eastfield College, receiving both college and high school credit. Welding students have the opportunity to earn industry certifications in three different welding applications. Interested students should contact their counselor for enrollment information.

Possible careers in Welding include: Possible career pathways in Welding include: Welder, Precision Layout Technician, Solder and Brazier, Calibration Technician, Electromechanical Technician, Safety Coordinator, Material Handler, Quality Control Inspector, Industrial and Manufacturing Engineer, and Production Manager. This course is offered at the Eastfield College campus only. Rockwall County students are charged In-district tuition and fees. *See your CTE counselor for enrollment and tuition information*

COURSE	NUMBER	TITLE	COLLEGE CREDIT	SEMESTER CREDIT IS AWARDED
<i>Welding Dual Credit—Gas Metal Arc Welding Certificate (GMAW)</i>				
First Year				
WLDG	1430	Intro to Gas Metal Arc	4	Fall
WLDG	1428	Intro to Shielded Metal	4	Spring
Second Year				
WLDG	1471	Welding Qualifications	4	Fall
WLDG	2447	Advanced Gas Metal	4	Spring
Total Credits			16	

COURSE	NUMBER	TITLE	COLLEGE CREDIT	SEMESTER CREDIT IS AWARDED
<i>Welding Dual Credit—Gas Tungsten Arc Welding Certificate (GTAW)</i>				
First Year				
WLDG	1425	Intro Oxy-Fuel Welding/Cutting	4	Fall
WLDG	1434	Intro to Gas Tungsten Arc Welding	4	Spring
Second Year				
WLDG	1471	Welding Qualifications	4	Fall
WLDG	2451	Advanced Gas Tungsten Arc Welding	4	Spring
Total Credits			16	

*Course availability based on college agreement with Rockwall ISD

COURSE	NUMBER	TITLE	COLLEGE CREDIT	SEMESTER CREDIT IS AWARDED
<i>Welding Dual Credit—Shielded Metal Arc Welding Certificate (SMAW)</i>				
First Year				
WLDG	1428	Intro to Shielded Metal Arc	4	Fall
WLDG	1457	Intermediate Shielded Metal Arc Welding	4	Spring
Second Year				
WLDG	1471	Welding Qualifications	4	Fall
WLDG	2443	Advanced Shielded Metal Arc Welding	4	Spring
Total Credits			16	

Automotive Technology-Dual Credit at Eastfield College*

The Automotive Technology career field is part of the Transportation, Distribution & Logistics Career Cluster and includes careers that install, inspect, test, adjust, or repair automotive and/or diesel equipment or diagnose automotive problems and/or sell or manage automotive related products and services. Automotive Technology students have the opportunity to earn industry certifications in a variety of areas including engine repair, brakes, electrical, steering & suspension, air conditioning, and more. Students participating in this pathway participate in dual credit Automotive Technology courses at Eastfield College, receiving both college and high school credit. Interested students should contact their counselor for enrollment information.

Possible careers in Automotive Technology include: Automotive Technician, Diesel Mechanic, Aviation Maintenance Mechanic, Automotive Sales and Service, and Facility Maintenance Manager. This course is offered at the Eastfield College campus only. Rockwall County students are charged in-district tuition & fees. *See your CTE counselor for enrollment and tuition information.*

COURSE	NUMBER	TITLE	COLLEGE CREDIT	SEMESTER CREDIT IS AWARDED
Automotive Dual Credit—Transmission Service Technician Certificate (6 Classes)				
First Year				
AUMT	1305	Intro to Auto Tech	3	Fall
AUMT	1307	Auto Electrical Systems	3	Fall
AUMT	2313	Manual Drive Train & Axis	3	Spring
AUMT	2321	Auto Electrical Diagnoses and Repair	3	Spring
Second Year				
AUMT	2380	Coop Edu-Auto Mechanics Tech	3	Fall
AUMT	2325	Automatic Transmission & Transaxle	3	Spring
Total Credits			18	

COURSE	NUMBER	TITLE	COLLEGE CREDIT	SEMESTER CREDIT IS AWARDED
Automotive Dual Credit—Electronics & Climate Controls Technician Certificate (ECCT)				
First Year				
AUMT	1305	Intro to Auto Tech	3	Fall
AUMT	1307	Auto Electrical Systems	3	Fall
AUMT	1345	Auto Climate Control Systems	3	Spring
AUMT	2321	Auto Electrical Diagnoses and Repair	3	Spring
Second Year				
AUMT	2381	Coop Edu-Auto Mechanics Tech 2	3	Fall (320 hours)
Total Credits			15	

COURSE	NUMBER	TITLE	COLLEGE CREDIT	SEMESTER CREDIT IS AWARDED
Automotive Dual Credit—Chassis Service Technician Certificate (Chassis)				
First Year				
AUMT	1305	Intro to Auto Tech	3	Fall
AUMT	1307	Auto Electrical Systems	3	Fall
AUMT	1310	Auto Brake Systems	3	Spring
AUMT	1316	Auto Suspension & Steering Sys	3	Spring
Second Year				
AUMT	2380	Coop Edu-Auto Mechanics Tech	3	Fall
Total Credits **Students can take 8 classes to equal 2 certifications, instructor approval needed			15	

CAREER AND TECHNICAL EDUCATION

Career and Technical Education (CTE) courses are designed to prepare students with professional and technical skills necessary to succeed in today's high-demand occupational environment. Students have the opportunity to utilize their academic skills in the following career fields outlined in the three endorsement areas:

BUSINESS AND INDUSTRY	PUBLIC SERVICE	STEM
<ul style="list-style-type: none"> • <i>Agricultural Technology</i> • <i>Animation</i> • <i>Architecture</i> • <i>Audio/Video Production</i> • <i>Business Management</i> • <i>Commercial Photography</i> • <i>Fashion Design</i> • <i>Finance</i> • <i>Floral Design</i> • <i>Graphic Design</i> • <i>Hospitality and Tourism – Culinary Arts</i> • <i>Marketing and Entrepreneurship</i> • <i>Veterinary Medicine/Animal Science</i> • <i>Video Game Design</i> • <i>Welding</i> 	<ul style="list-style-type: none"> • <i>Education and Training</i> • <i>Health Science – EMT</i> • <i>Health Science – Internship</i> • <i>Health Science – Pharmacy Technician</i> • <i>Health Science Dental Assistant</i> • <i>Health Science – EKG (Collin College at GBCCA)</i> • <i>Health Science – Patient Care Technician (Collin College at GBCCA)</i> • <i>Health Science – Central Sterile Processing (Collin College online courses, plus lab portion taken at McKinney campus)</i> • <i>Law and Public Safety</i> 	<ul style="list-style-type: none"> • <i>Computer Science/Cybersecurity</i> • <i>Engineering – Aerospace</i> • <i>Engineering – Robotics</i> • <i>Engineering</i> • <i>Manufacturing and Machinery Mechanics</i>

These programs of study provide a variety of elective courses from which students are allowed to select and are in addition to the academic courses required for graduation. Career and Technical Education (CTE) can help a student explore his/her potential and establish future career goals. CTE may assist students by providing them with a means for enhanced earning potential while attending high school and post-secondary education/training. CTE courses encourage students to develop a personal career plan and provide information for post-secondary education opportunities. Most CTE programs of study include opportunities to work toward industry recognized certifications. Students may also choose to take advantage of dual credit courses that offer college credit for technical courses completed in high school and/or participate in work-based field experiences or internships. Career and Technical Student Organizations (CTSOs) are available to all students who are enrolled in a CTE course. Participation is encouraged.

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture, Food and Natural Resources Career Cluster

Agriculture, Food and Natural Resources courses are taught in individual instructional activities consisting of classroom and laboratory experiences, supervised agricultural experiences, and leadership activities. The program is designed to develop competencies needed by high school students desiring to, or preparing to, enter agricultural occupations. Agricultural employment includes all jobs that require agricultural competencies or essential knowledge and skills needed in producing, managing, processing, marketing, distributing, regulating or protecting any of the renewable natural resources-about 20% of the Gross National Product (GNP). Students are encouraged to participate in the FFA student organization to obtain experiential learning.

Possible careers in Agriculture include: Agricultural Scientist, Cooperative Extension Service, Hazardous Material Technical Coordinator, Agricultural Engineer, Biological Scientist, Farmer/Farm Manager, Forestry Conservation Scientist, Range Manager, Veterinary Technician, Agricultural Technical Sales Representative, Quality Control Technician, Veterinarian and Welder.

Course Name	Credits	Grade Levels	Prerequisites
Principles of Agriculture, Food & Natural Resources (<i>Recommended prerequisite for all courses in this cluster</i>)	1	9-10	None
<i>Students can take only one Agriculture Practicum</i>			
<i>Agricultural Technology Program of Study</i>			
Agricultural Power Systems	2	10-12	None
Agricultural Mechanics & Metal Technologies	1	10-12	None
Agricultural Structures, Design & Fabrication	1	10-12	None
Agricultural Technology - Practicum in Agriculture, Food & Natural Resources	2	11-12	Minimum completion of one agricultural technology course
<i>Floral Design Program of Study</i>			
Floral Design (fine arts credit)	1	10-12	None
Advanced Floral Design	1	11-12	Floral Design
Floral Design - Practicum in Agriculture, Food & Natural Resource	2	12	Advanced Floral Design
<i>Veterinary Medicine/Animal Science Program of Study</i>			
Livestock Production	1	10-12	None
Equine Science	.5	10-12	None
Small Animal Management	.5	10-12	None
Veterinary Medical Applications	1	11-12	Livestock Production or Small Animal Management <i>and</i> Equine Science
Advanced Animal Science (science credit)	1	11-12	Biology <i>and</i> Chemistry or IPC; Algebra I <i>and</i> Geometry; <i>and</i> either Equine Science, Livestock Production or Small Animal Management
Veterinary Medicine - Practicum in Agriculture, Food & Natural Resources	2	12	Veterinary Medical Applications

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES

AFN013

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

This course is recommended as a prerequisite for all Agriculture Courses.

This course prepares students for careers in agriculture, food, and natural resources. This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices and expectations. To prepare for success, students have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. This course is held at the Rockwall ISD Agricultural Complex.

Agricultural Technology Program of Study – These courses are held at the Rockwall ISD Agricultural Complex. A lab fee of \$50 is required in *each* of these courses to assist in covering the cost of materials and supplies.

AGRICULTURAL POWER SYSTEMS

AFN002

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resources

Credit: 2

This course prepares students for careers in agricultural power, structural, and technical systems and student's knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students will have opportunities to learn, reinforce, apply and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

AFN001

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resources

Credit: 1

This course is designed to develop proficiency in multiple welding skills. Students will be expected to use the cutting torch and MIG Welders. Welding is taught in several positions, which include flat, horizontal and vertical. The course develops an understanding of tool operation, electrical wiring, plumbing, carpentry, fencing, concrete and metal working techniques.

AGRICULTURAL STRUCTURES DESIGN & FABRICATION

AFN006

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource

Credit: 1

This course prepares students to be introduced and gain understanding towards the development of agricultural power systems, metal fabrication techniques, agricultural structures, electrical controls, and land and water management systems.

AGRICULTURAL TECHNOLOGY - PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES I

AFN009

Grade Placement: 11-12

Required Prerequisite: Minimum completion of one agricultural technology course.

Recommended Prerequisite: Agricultural Power Systems, Agricultural Mechanics & Metal Technologies, or Agricultural Structures Design and Fabrication.

Credit: 2

This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships and mentorships. The practicum course is a paid or unpaid capstone experience of ten or more hours for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food and Natural Resources cluster. Students must provide their own transportation to the employment location.

Floral Design Program of Study - A lab fee of \$50 is required in *each* of these courses to assist in covering the cost of materials and supplies.

FLORAL DESIGN

AFN017

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource

Credit: 1 (Fine Art Credit)

This course fulfills the state requirement for a fine arts credit.

This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgements and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students are provided opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

ADVANCED FLORAL DESIGN

AFN019

Grade Placement: 11-12

Required Prerequisite: Floral Design

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource

Credit: 1

In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises.

FLORAL DESIGN - PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCE

AFN020

Grade Placement: 12

Required Prerequisite: Advanced Floral Design

Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource

Credit: 2

This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships and mentorships. The practicum course is a paid or unpaid capstone experience of ten or more hours for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food and Natural Resources cluster.

Veterinary Medicine/Animal Science Program of Study

LIVESTOCK PRODUCTION

AFN003

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources

Credit: 1

This course prepares students to be introduced to the common veterinary skills and procedures used on livestock, anatomy of livestock, genetics and reproduction, and diseases that can affect all livestock animals. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry. This course is recommended for those that have an interest in the Veterinary Science field.

EQUINE SCIENCE

AFN004

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources

Co-requisite: Must take Small Animal Management in the same year.

Credit: .5

This course prepares students to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. Suggested animals which may be included in the course of study include, but are not limited to, horses, donkeys, and mules. This course is recommended for those that have an interest in the Veterinary Science field.

SMALL ANIMAL MANAGEMENT

AFN011

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources

Co-requisite: Must take Equine Science in the same year.

Credit: .5

This course prepares students to be introduced to the field of animal science while enhancing academic knowledge and skills related to animal systems. Students will have opportunities to learn, reinforce, apply and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs and cats.

VETERINARY MEDICAL APPLICATIONS

AFN005

Grade Placement: 11-12

Required Prerequisite: Livestock Production or Small Animal Management and Equine Science

Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources

Credit: 1

This course prepares students to develop and expand their knowledge and techniques in skills pertaining to Veterinary Technical Assistant area. This course is designed as a laboratory-oriented course that allows students hands-on experience within the area of diagnostic testing, client records, employer/employee relationship, and techniques used in surgical practices. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.

ADVANCED ANIMAL SCIENCE

AFN012

Grade Placement: 11-12

Required Prerequisite: Biology and Chemistry or IPC; and Algebra I and Geometry; and either Equine Science, Livestock Production or Small Animal Management

Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources

Credit: 1

This course satisfies a Science graduation credit requirement. This course does not meet NCAA eligibility requirements.

This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. The nature of science, as defined by the National Academy of Sciences, combined with scientific inquiry, science and social ethics, science, systems, and models will be studied to provide students learning opportunities outside the realm of science as well as phenomena that are not scientifically testable.

VETERINARY MEDICINE - PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCE

AFN018

Grade Placement: 12

Required Prerequisite: Veterinary Medical Applications

Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources

Credit: 2

This course is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experiences such as employment, independent study, internships and mentorships. The practicum course is a paid or unpaid capstone experience of ten or more hours for students participating in a coherent sequence of career and technical education courses in the Agriculture, Food and Natural Resources cluster. Students must provide their own transportation to the employment location.

BUSINESS AND INDUSTRY ENDORSEMENT

Architecture and Construction Career Cluster

Architecture career fields include the creative and detailed drafting of architectural designs with a focus on an environmentally friendly outcome. Students learn how to create architectural and interior designs using hand drafting methods, prior to learning computerized methods such as Auto CAD and Autodesk Architectural Revit, for 2-dimensional and 3-dimensional designs.

Possible careers in Architecture include: Architect, Industrial Designer, Drafter, Landscape Architect, Project Manager, Green Designer and Interior Designer.

Course Name	Credits	Grade Levels	Prerequisites
<i>Architecture Program of Study</i>			
Principles of Architecture	1	9-10	None
Architectural Design I	1	10-11	Principles of Architecture, Algebra I, English I and Geometry (Geometry can be taken concurrently)
Architectural Design II	2	11-12	Architectural Design I (recommended grade of 80 or higher in Architectural Design I and pass OSHA Certification.)
Practicum in Architectural Design	2	12	Architectural Design II (a grade of 80 or higher in Architectural Design II and pass REVIT Certification.)

PRINCIPLES OF ARCHITECTURE

ARC007

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

This course provides students an overview to the various fields of architecture, interior design, construction science, and construction technology. The course will explore job-specific career opportunities, work ethics and job-related study in the classroom such as communications; problem solving and critical thinking; learning industry standard software; safety, health, and environmental; leadership and teamwork; ethics and legal responsibilities, employability and career development; technical skills; and reading technical drawings.

ARCHITECTURAL DESIGN I

ARC010

Grade Placement: 10-11

Required Prerequisite: Principles of Architecture, Algebra I, English I and Geometry (Geometry can be taken concurrently).

Recommended Prerequisite: None

Credit: 1

This course allows students to gain knowledge and skills specific to those needed to enter a career in architecture or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture. Architectural Design I includes the design, design history, techniques, and tools related to the production of drawings, renderings and scale models for residential architectural purposes. Students are expected to pass the OSHA certification in order to advance in this program of study.

ARCHITECTURAL DESIGN II

ARC004

Grade Placement: 11-12

Required Prerequisite: Architectural Design I

Recommended Prerequisite: A grade of 80 or higher in Architectural Design I and pass OSHA Certification.

Credit: 2

This course allows students to gain advanced knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a post-secondary degree in architecture, construction science, drafting, interior design, and landscape architecture. Architectural Design II includes the advanced knowledge of the design, design history, techniques, and tools related to the productions of drawings, renderings, and scaled models for commercial or residential architectural purposes. Students are expected to pass the REVIT certification in order to advance in this program of study.

PRACTICUM IN ARCHITECTURAL DESIGN

ARC005

Grade Placement: 12

Required Prerequisite: Architectural Design II

Recommended Prerequisite: A grade of 80 or higher in Architectural Design II and pass REVIT Certification.

Credit: 2

This course provides students with a ten hour or more paid or non-paid internship arrangement between the high school and architectural industry. It provides seniors with a professional internship experience. Students recognize the value of effective work ethics and attitudes and develop communications and problem solving skills.

BUSINESS AND INDUSTRY ENDORSEMENT

Arts, Audio/Video Technology and Communications (AAVTC) Career Cluster

The Arts, Audio/Video Technology and Communication career areas include the mastery and use of computer or other technology along with individual creativity. This area includes film production and editing, print media, animation, journalism and photography as well as illustration in a wide range of careers. Students who mix their artistic talents with training in the latest design software will be able to find opportunities for employment.

Possible careers in Arts, A/V Technology and Communications include: Advertising Designer, Special Effects Designer, Audio/Video Production, Master Control Operator, Art Gallery Owner/Manager, Computer Graphic Designer, Motion Picture Production, Production Specialist, Fashion Designer, Illustrator, Filmmaker, Media Director, Video Game Designer, and Fine Artist.

Course Name	Credits	Grade Levels	Prerequisites
Principles of Arts, Audio/Video Technology and Communications (Recommended prerequisite course that applies to all AAVTC Pathways except Fashion Design)	1	9-10	None
Professional Communications	.5	9-12	None
Digital Media	1	9-12	None
<i>Animation Program of Study</i>			
Animation I	1	10-12	None
Animation II with Lab	2	11-12	Animation I
Practicum in Animation	2	12	Animation II with Lab
<i>Audio Video Production Program of Study</i>			
Audio/Video Production I with Lab	2	9-12	None
Audio/Video Production II with Lab	2	10-12	Audio/Video Production I with Lab
Practicum in Audio/Video Production	2	11-12	Audio/Video Production II with Lab
<i>Fashion Design Program of Study</i>			
Fashion Design I with Lab	2	9-10	None
Fashion Design II with Lab	2	10-11	Fashion Design I with Lab
Practicum in Fashion Design I	2	11-12	Fashion Design II with Lab
Practicum in Fashion Design II	2	12	Practicum in Fashion Design I
<i>Graphic Design and Illustration Program of Study</i>			
Graphic Design and Illustration I	1	9-12	None
Graphic Design and Illustration II with Lab	2	10-12	Graphic Design and Illustration I
Practicum in Graphic Design and Illustration	2	11-12	Graphic Design and Illustration II with Lab
<i>Commercial Photography Program of Study</i>			
Commercial Photography I	1	9-12	None
Commercial Photography II (2021-2022)	1	10-12	Commercial Photography I
Practicum in Commercial Photography (2022-2023)	1	11-12	Commercial Photography II with teacher recommendation
<i>Video Game Design Program of Study</i>			
Video Game Design	1	10-12	None
Video Game Programming	1	11-12	Video Game Design
Advanced Video Game Programming	1	12	Video Game Programming, in addition to one other junior or senior level course in AAVTC program of study (can be taken concurrently)

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY AND COMMUNICATIONS

ATC005

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

This course is recommended as a prerequisite for all Arts, Audio/Video Technology and Communication Courses (except Fashion Design).

Prepares students for the opportunity to explore careers in the Arts, Audio/Video Technology, and Communications career cluster inclusive of pathways for: Graphic Design, Audio Video Productions, Animation, Video Game Design, and Fashion Design. This course is the recommended prerequisite for all programs of study in the career cluster except Fashion Design. This course requires creative aptitude, a proficiency in computer and technology applications, a strong academic foundation, and a strong background in oral and written communication. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills and education requirements for those opportunities.

PROFESSIONAL COMMUNICATIONS

SPCA02

Grade Placement: 9-12

Required Prerequisite: None

Recommended Prerequisite: None

Credit: .5

This course can be applied to all AAVTC programs of study. Blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, a strong and solid academic foundation, and a proficiency in professional oral and written communications. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics and conduct Internet research.

DIGITAL MEDIA

ITC004

Grade Placement: 9-12

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

Allows students to analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolves problems. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication and reasoning skills and apply them to the information technology environment.

Animation Program of Study

ANIMATION I

ATC001

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 1

Animation careers span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the history and principles of the animation industry.

ANIMATION II WITH LAB

ATC035

Grade Placement: 11-12

Required Prerequisite: Animation I

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

Developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two and three-dimensional animations. The instruction focuses on employability skills as well as depth of knowledge relating to the 12 Principles of Animation.

PRACTICUM IN ANIMATION

ATC054

Grade Placement: 12

Required Prerequisite: Animation II with Lab

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II with Lab, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

Audio Video Production Program of Study

AUDIO/VIDEO PRODUCTION I WITH LAB

ATC006

Grade Placement: 9-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products in a commercial studio. Students are strongly encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. Audio/Video Production I with Lab will focus on Jacket TV at RHS and Hawk News at RHHS. Audio/Video Production I with Lab taken at GBCCA will focus on community/district based projects.

AUDIO/VIDEO PRODUCTION II WITH LAB

ATC30C

Grade Placement: 10-12

Required Prerequisite: Audio/Video Production I with Lab

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

Develops an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. This course is implemented in an advanced audio and video format located in a commercial studio. Through diverse forms of storytelling and productions, students will exercise and develop creativity, intellectual curiosity, and critical-thinking, problem-solving, communication, and collaborative skills. Requiring a lab for the course affords necessary time devoted specifically to the production and post-production process. Students are expected to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. Audio/Video Production II with Lab will focus on Jacket TV at RHS and Hawk News at RHHS. Audio/Video Production II with Lab taken at GBCCA will focus on community/district based projects.

PRACTICUM IN AUDIO/VIDEO PRODUCTION

ATC10C (First time taken), ATC29C (Second time taken)

Grade Placement: 11-12

Required Prerequisite: Audio/Video Production II with Lab

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

Building upon the concepts taught in Audio/Video Production II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video products in a professional environment. This course is designed to provide students practical application of previously studied audio video knowledge and experience in a 10 or more hours of internship or lab-based experience. Practicum in Audio/Video Production will focus on Jacket TV at RHS and Hawk News at RHHS. Practicum in Audio/Video Production taken at GBCCA will focus on community/district based projects.

Fashion Design Program of Study

FASHION DESIGN I WITH LAB

ATC031

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 2

This course focuses on the careers in the fashion and textile/ apparel industries. Students will be exposed to the apparel production process from design concept to finished product. Course content includes apparel construction, care, maintenance and the history of fashion. Principles and elements of design will be studied, as well as fashion drawing and sketching.

FASHION DESIGN II WITH LAB

ATC032

Grade Placement: 10-11

Required Prerequisite: Fashion Design I with Lab

Recommended Prerequisite: None

Credit: 2

This course focuses on advanced knowledge and skills in fashion, apparel, construction, care, and maintenance, as well as advanced understanding and emphasis on design and production. The elements and principles of design will be studied, as well as fashion design drawing and sketching. Students will also prepare a portfolio in this class.

PRACTICUM IN FASHION DESIGN

ATC012

Grade Placement: 11-12

Required Prerequisite: Fashion Design II with Lab

Recommended Prerequisite: None

Credit: 2

This course is designed to provide students practical application of previously studied fashion design knowledge and experience in a 10 or more hour internship or lab-based experience. Students recognize the value of effective work ethics and attitudes and develop communications and problem-solving skills. This course is for those individuals that have completed Fashion Design II with Lab.

PRACTICUM IN FASHION DESIGN II

ATC013

Grade Placement: 12

Required Prerequisite: Practicum in Fashion Design I

Recommended Prerequisite: None

Credit: 2

Fashion Design Practicum II is a course specifically designed to provide fashion students with the extended practical application of previously studied fashion design knowledge and experience in a 10 or more hour internship or lab-based experience. Students will recognize the value of effective work ethics and attitudes and develop communications and problem solving skills. This course is for those individuals that have completed Fashion Design II and the lab, along with Practicum I.

Graphic Design and Illustration Program of Study

GRAPHIC DESIGN AND ILLUSTRATION I

ATC009

Grade Placement: 9-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 1

Provides students with the opportunity to explore careers in graphic design and illustration, including all aspects of the advertising and visual communications industries. In addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design, including composing and editing a variety of communication and advertising documents and multimedia products.

GRAPHIC DESIGN AND ILLUSTRATION II WITH LAB

ATC033

Grade Placement: 10-12

Required Prerequisite: Graphic Design and Illustration I

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

Careers span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION

ATC034

Grade Placement: 11-12

Required Prerequisite: Graphic Design and Illustration II with Lab

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 2

This course is designed to provide students practical application of previously studied graphic design knowledge and experience in a 10 or more hour internship or lab-based experience. Students recognize the value of effective work ethics and develop communications and problem solving skills. This course is for those individuals that have completed Graphic Design and Illustration 2.

Commercial Photography Program of Study

COMMERCIAL PHOTOGRAPHY

ATC038

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit 1

Careers in commercial photography require skills that span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the commercial photography industry with a focus on creating quality photographs.

Video Game Design Program of Study

VIDEO GAME DESIGN

ATC008

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 1

Video Game Design will foster student creativity and innovation by presenting students with opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve gaming problems. Through data analysis, students will include the identification of task requirements, plan search strategies, and use programming concepts to access, analyze, and evaluate information needed to design games. By acquiring programming knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect.

VIDEO GAME PROGRAMMING

ATC039

Grade Placement: 11-12

Required Prerequisite: Video Game Design

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 1

Video Game Programming will leverage the foundation obtained in Video Game Design I to build fun, exciting games and then expand upon that knowledge to build more refined products. Students in this course will be expected to have some knowledge of computer programming and will be exposed to technologies such as Unity, Blender, and Unreal Engine.

ADVANCED VIDEO GAME PROGRAMMING

ATC055

Grade Placement: 12

Required Prerequisite: Video Game Programming

Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications

Credit: 1

Students must also need to take one other junior or senior course in AAVTC program of study to complete the Endorsement, can be taken concurrently.

Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects.

BUSINESS AND INDUSTRY ENDORSEMENT

Business, Marketing, and Finance Cluster

This comprehensive cluster provides students with meaningful courses for business, marketing, entrepreneurship and finance while being flexible and adaptable to the needs of industry and society. Students are provided broad, transferable concepts and competencies that allow them to enter the job market with the ability to function in new and emerging occupations as well as to reach their maximum potential in higher education. These courses provide students with knowledge and skills that are transferable to all occupations.

Possible careers in Business, Marketing and Finance Cluster include: Corporate/General Management, HR Management, Operations Management, Administrative Services, Business Information Management, City Manager, Claims Adjuster, Management Consultant, Accountant, Auditor, Bank Manager, CPA (Certified Public Accountant), Entrepreneur, Corporate/General Marketing Management, Sales Management, Marketing Communications, Market Research and Development, Online and Interactive Marketing, E-commerce Communication, Retail Merchandising, Event Project Management, Promotions Management, Franchise Owner, Professional Selling, Public Relations and Media, Product Development, Demand Forecasting, Supply Chain Integration, Customer Service, Global Sourcing Project Management, International Travel or Convention Management.

Course Name	Credits	Grade Levels	Prerequisites
Principles of Business, Marketing & Finance (Recommended prerequisite applies to all courses in Business, Marketing & Finance Programs of Study)	1	9-10	None

Business Management Program of Study

Money Matters	1	10-12	None
Business Management	1	10-12	None
Practicum in Business Management	2	12	Business Management; Recommended students must have completed the required course project from their most recent program of study course and earned a 80 or above in the course.

Finance Program of Study - Students can choose one of the three math courses to complete this endorsement.

Money Matters	1	10-12	None
Accounting I	1	10-12	None
Accounting II (Math Credit)	1	11-12	Accounting I
Financial Mathematics (Math Credit)	1	11-12	Algebra I
Statistics & Business Decision-Making (Math Credit)	1	11-12	Algebra II

Marketing and Entrepreneurship Program of Study

Sports & Entertainment Marketing	.5	10-11	None
Social Media Marketing	.5	10-11	None
Entrepreneurship	1	11-12	None
Practicum in Marketing	2	12	Sports & Entertainment Marketing <u>and</u> Social Media Marketing or Entrepreneurship; Recommended students must have completed the required course project from their most recent program of study course and earned a 80 or above in the course.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

BMA002

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

This course is recommended as a prerequisite course for all courses in this career cluster.

Allows students to gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing and finance.

Business Management Program of Study

MONEY MATTERS

BMA012

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1

In this year long course, students will demonstrate and understand the fundamentals of money and financial exchange, including cash, credit, debit and electronic funds transfer. Students will identify sources of income, including wages and salaries, interest, rent, dividends, and capital gains. Students will analyze personal financial goals based on current and projected economic factors. Students will develop a budget, explore benefits of saving and investing, understand tax liabilities, interpret pay stubs, reconcile bank statements, maintain financial records, demonstrate the wise use of credit, validate a credit history, understand how to protect against identity theft and prepare personal income tax forms. Students will set long-term goals and determine methods of achieving those goals through, investment, tax planning, asset allocation, risk management, retirement planning and estate planning.

BUSINESS MANAGEMENT

BMA013

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1

Allows students to recognize, evaluate, and prepare for a rapidly evolving global business environment that requires flexibility and adaptability. Students analyze the primary functions of management and leadership, which are planning, organizing, staffing, directing or leading and controlling. Topics will incorporate social responsibility of business and industry. Students develop a foundation in the economic, financial, technological, international, social and ethical aspects of business to become competent managers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical and international dimensions of business to make appropriate management decisions.

PRACTICUM IN BUSINESS MANAGEMENT

BMA008

Grade Placement: 12

Required Prerequisite: Business Management.

Recommended Prerequisite: Students must have completed the required course project from their most recent program of study course and earned an 80 or above in the course.

Credit: 2

Designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid arrangement of 10 or more hours at a location appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or post-secondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international and social and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical and international dimensions of business to make appropriate business decisions. Students must provide their own transportation to the employment location.

Finance Program of Study

MONEY MATTERS

BMA012

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1

In this year long course, students will demonstrate and understand the fundamentals of money and financial exchange, including cash, credit, debit and electronic funds transfer. Students will identify sources of income, including wages and salaries, interest, rent, dividends, and capital gains. Students will analyze personal financial goals based on current and projected economic factors. Students will develop a budget, explore benefits of saving and investing, understand tax liabilities, interpret pay stubs, reconcile bank statements, maintain financial records, demonstrate the wise use of credit, validate a credit history, understand how to protect against identity theft and prepare personal income tax forms. Students will set long-term goals and determine methods of achieving those goals through, investment, tax planning, asset allocation, risk management, retirement planning and estate planning.

ACCOUNTING I

BMA010

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1

Allows students to investigate the field of accounting, including how it impacts industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing, and communicating accounting information. Students formulate and interpret financial information for use in management decision making. Students will be introduced to Microsoft Excel functions related to accounting.

Students can choose *one* of the three math courses to complete this endorsement:

ACCOUNTING II

BMA011

Grade Placement: 11-12

Required Prerequisite: Accounting I

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1 (Math Credit)

This course meets the requirements for the fourth mathematics credit. This course is designed for students in the business endorsement pathway. This course does not meet NCAA eligibility requirements.

Students will continue the investigation of the field of accounting, including how it impacts industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision making. Students will continue explore Microsoft Excel functions related to accounting.

FINANCIAL MATHEMATICS

BMA016

Grade Placement: 11-12

Required Prerequisite: Algebra I

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1 (Math credit)

This course meets the requirements for the third advanced mathematics credit. This course does not meet NCAA eligibility requirements.

This course is about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics will integrate career and postsecondary education planning into financial decision making. Financial planning curriculum is used in this course.

STATISTICS & BUSINESS DECISION-MAKING

BMA014

Grade Placement: 11-12

Required Prerequisite: Algebra II

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1 (Math credit)

This course meets the requirements for the fourth mathematics credit. This course does not meet NCAA eligibility requirements.

Uses career planning concepts, tools, and strategies to explore a career in the area of risk management. The student plans, monitors, and controls day-to-day activities to enable continued functioning in finance. Students will use a variety of graphical and numerical techniques, analyzing patterns to identify and manage risks that could impact an organization. Students use probability as a tool for forecasting data within business models to make decisions. The student examines accounting systems and maintains, monitors, controls, and plans the use of financial resources to ensure business stability.

Marketing and Entrepreneurship Program of Study

SPORTS & ENTERTAINMENT MARKETING

MAR008

Grade Placement: 10-11

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Co-requisite: Must take Social Media Marketing in the same year.

Credit: .5

This course provides students with a thorough understanding of the marketing concepts and theories that apply to sports and sporting events and entertainment. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will provide students an opportunity to develop promotional plans, sponsorship proposals, endorsement contracts, sports and entertainment marketing plans and evaluation and management techniques.

SOCIAL MEDIA MARKETING

MAR011

Grade Placement: 10-11

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Co-requisite: Must take Sports & Entertainment Marketing in the same year.

Credit: .5

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will gain the skills and knowledge to manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

ENTREPRENEURSHIP

MAR003

Grade Placement: 11-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Business, Marketing & Finance.

Credit: 1

Allows students to gain the knowledge and skills needed to become an entrepreneur. Students learn the principles necessary to begin and operate a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research and developing a plan to organize and promote the business and its products and services. In addition, students understand the capital required, the return on investment desired and the potential for profit.

PRACTICUM IN MARKETING

MAR009

Grade Placement: 12

Required Prerequisite: Sports & Entertainment Marketing and Social Media Marketing or Entrepreneurship.

Recommended Prerequisite: Students must have completed the required course project from their most recent program of study course and earned an 80 or above in the course.

Credit: 2

A series of dynamic activities that focus on the customer to generate a profitable exchange. Students gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with product/service management, distribution, financing, marketing-information management, pricing, market planning, promotion, purchasing, risk management and selling skills. Students integrate skills from academic subjects, information technology, interpersonal communication and management training to make responsible decisions. This course requires the student to secure a paid or unpaid career preparation experience of 10 or more hours. Students must provide their own transportation to the employment location.

BUSINESS AND INDUSTRY ENDORSEMENT

Hospitality and Tourism Career Cluster

Hospitality and Tourism is one of the fastest growing career fields in America due to more and more cities taking advantage of the opportunities for attracting tourist dollars. Real estate developers, corporations, and urban planners are all working to seek available monies from tourism. These efforts create jobs for thousands of people. Business professionals working away from home account for the majority of rented lodging rooms at many hotels across the country. Hotels and services that cater to traveler's needs are a thriving industry accounting for many of today's jobs. The Hospitality and Tourism career cluster provides training in the related fields, with specific job related preparation for employment. Students learn the basics of the tourism industry and the culinary industry and are provided the opportunity to practice these skills in a pre-employment laboratory situation.

Possible careers in Hospitality and Tourism include: Executive Chef, Sous Chef, Reservation Agent, Flight Attendant, Convention Services, Travel Agent, Concierge, Server, Cook/Short Order Cook, Tour Guide, Hotel Manager, Food Service Worker, Maître 'D, Baker, and Food/Beverage manager.

Culinary Arts Program of Study – A lab fee of \$50 is required in *each* of these courses to assist in covering the cost of materials and supplies.

Course Name	Credits	Grade Levels	Prerequisites
Introduction to Culinary Arts	1	9-10	None
Culinary Arts	2	10-11	Introduction to Culinary Arts; rubric applies
Advanced Culinary Arts	2	11-12	Culinary Arts; rubric applies
Practicum in Culinary Arts	2	12	Advanced Culinary Arts; rubric applies

All courses, except for Intro to Culinary Arts, have student rubrics in order to continue in the Culinary program. Rubrics will be given to students upon taking Introduction to Culinary Arts.

INTRODUCTION TO CULINARY ARTS

HOT009

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

Introduction to Culinary Arts will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. It will provide insight into food production skills, various levels of industry management, and hospitality skills. This course is 60% theory and 40% food preparation. Students will be provided a rubric in order to advance to the next culinary arts course, due to limited seating.

CULINARY ARTS

HOT002

Grade Placement: 10-11

Required Prerequisite: Introduction to Culinary Arts, rubric applies

Recommended Prerequisite: None

Credit: 2

This is a laboratory-based course that includes: fundamentals and principles of the art of food preparation, management and production skills, and various culinary techniques. The first 9-weeks are theory based instruction. Students must pass a national sanitation certification and other appropriate industry certifications in order to continue to the laboratory based part of the course. Students can pursue a national sanitation certification and other appropriate industry certifications. The knowledge and skills required for careers in the restaurant, food, and beverage industry are practiced as food is prepared for the campus based restaurant. Students will be provided a rubric in order to advance to the next culinary arts course, due to limited seating.

ADVANCED CULINARY ARTS

HOT007

Grade Placement: 11-12

Required Prerequisite: Culinary Arts, rubric applies

Recommended Prerequisite: None

Credit: 2

Designed to extend content and enhance skills introduced in the Culinary Arts course by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications and/or immediate employment. Laboratory activities involve food production for the campus based restaurant. Students will be provided a rubric in order to advance to the next culinary arts course, due to limited seating.

PRACTICUM IN CULINARY ARTS

HOT003

Grade Placement: 12

Required Prerequisite: Advanced Culinary Arts, rubric applies

Recommended Prerequisite: None

Credit: 2

A laboratory-based course that is designed to be a continuation of the Culinary Arts program. Students continue to refine their knowledge and skills required or careers in the restaurant, food and beverage industry. Laboratory activities involve food production for a campus based restaurant.

PUBLIC SERVICE ENDORSEMENT

Health Science Career Cluster

Health Science education is a comprehensive secondary education program for students who have an interest and desire to explore health careers. Students gain the knowledge and skills to make realistic health career choices and enhance their academic foundations through strong science-based curriculum.

Possible career objectives for students with Health Science Technology training: Medical Doctor, Medical Records Clerk, Medical Assistant, Emergency Medical Technician, Medical Technology, Nurse's Aide, Nutritionist, Veterinarian, Doctor of Osteopathy, Nurse/Nurse Practitioner, Athletic Trainer, Medical Research/Testing, Medical Lab Assistant, Nursing Home Services, Pharmacist, Lab Technician, Physical Therapist, and Sports Physician.

Course Name	Credits	Grade Levels	Prerequisites
Medical Terminology	1	9-10	None
Health Science Theory <i>(Required Course for continuation of any Health Science Programs of Study)</i>	1	10-11	Biology (Biology may be taken concurrently with Health Science Theory)
Anatomy & Physiology <i>(Science Credit)</i>	1	11-12	Biology and a Second Science Credit
Clinical - Practicum in Health Science I <i>(This course is recommended prior to EMT and Internship)</i>	2	11	Health Science Theory, rubric applies
<i>Dental Program of Study - Due to limited seats a rubric applies to this program.</i>			
Dental I - Practicum in Health Science I	2	11-12	Health Science Theory
Dental II - Practicum in Health Science II	2	12	Dental I - Practicum in Health Science I
<i>Emergency Medical Technician (EMT) Program of Study - Due to limited seats a rubric applies to this program.</i>			
EMT - Practicum in Health Science I (or II)	2	12	Health Science Theory and Biology Recommended Clinical - Practicum in Health Science I & Anatomy and Physiology
<i>Pharmacy Technician Program of Study - Due to limited seats a rubric applies to this program.</i>			
Pharmacology	1	11	Biology and Chemistry (Co-requisite of Health Science Theory if not already taken)
Pharmacy Technician -Practicum in Health Science I	2	12	Health Science Theory, Biology, Chemistry, and Recommended-pharmacology
<i>Health Science Internship Program of Study - Due to limited seats a rubric applies to this program.</i>			
Internship - Practicum in Health Science I (or II)	2	12	Health Science Theory, Recommended Clinical - Practicum in Health Science I
<i>Collin College Dual Credit Health Science Program of Study</i> <i>All Collin College programs have additional application and enrollment qualifications, TSIA is not required.</i>			
Patient Care Technician (PCT) (Two year program)	6 total (3 each year)	11 and 12	Health Science Theory
Electrocardiography (EKG)	3	12	Health Science Theory
Central Sterile Processing (CSP) (Online Fall semester with Onsite Internship for Spring semester in McKinney Campus)	3	12	Health Science Theory

MEDICAL TERMINOLOGY

HLS010

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

This course is designed to develop a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

HEALTH SCIENCE THEORY

HLS011

Grade Placement: 10-11

Required Prerequisite: Biology (Biology may be taken concurrently with Health Science Theory)

Recommended Prerequisite: Medical Terminology

Credit: 1

This course is for students seriously interested in a health care career. It is designed to provide the development of advanced knowledge and skills related to a wide variety of health careers. Students will have in-class and hands-on experiences for continued knowledge and skill development. Students will have the opportunity to investigate and observe a large variety of health care areas rather than a single healthcare field.

ANATOMY AND PHYSIOLOGY

HLS02H

Grade Placement: 11-12

Required Prerequisite: Biology and second science credit

Recommended Prerequisite: None

Credit: 1 (Science Credit)

This course satisfies an Advanced Science graduation requirement.

This course extends understanding of the structure and function of the human body. Students will explore physiological systems and associated pathologies. Higher order thinking is stressed through assessment and synthesis of the anatomical knowledge combined with exposure to clinical analysis. Principles of physiology will be applied to human health and well-being.

CLINICAL - PRACTICUM IN HEALTH SCIENCE I

HLS028

Grade Placement: 11

Required Prerequisite: Health Science Theory

Recommended Prerequisite: Medical Terminology

Credit: 2

This course is recommended prior to EMT and Internship. Clinical rotations for hospital observations. Drug test required. Due to limited seats a rubric will be applied. Purchase of scrubs and uniform required.

This course is designed to give students practical application of previously studied knowledge and skills focused on attaining certification as a Patient Care Technician (PCT). The PCT program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the health care industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course may be offered through internship experiences and/or on campus lab-based instruction. Students who successfully complete the curriculum will be able to test for the Patient Care Technician Certifications.

Dental Program of Study – Due to limited seats a rubric applies to this program.

DENTAL I - PRACTICUM IN HEALTH SCIENCE I

HLS027

Grade Placement: 11-12

Required Prerequisite: Health Science Theory

Recommended Prerequisite: None

Credit: 2

Drug test required. Due to limited seats a rubric will be applied. Purchase of scrubs and uniform required.

This course is designed to allow junior/senior level dental students the opportunity to begin learning the fundamental knowledge and skills needed within the field of dentistry. The knowledge and skills learned in the dental clinical/practicum can be applied towards future dental careers including dental assisting, dental hygiene and/or doctor of dental surgery. Upon completion of this course students will have an understanding of dental history, dental professions, dental anatomy, dental diseases, dental hygiene, professional dental communication, chair side dental, dental charting, dental nutrition and dental law.

DENTAL II - PRACTICUM IN HEALTH SCIENCE II

HLS029

Grade Placement: 12

Required Prerequisite: Dental I - Practicum in Health Science I, Health Science Theory

Recommended Prerequisite: None

Credit: 2

Drug test required. Due to limited seats a rubric will be applied. Purchase of scrubs and uniform required.

This course will train Dental students in all aspects of a dental practice. Students will learn to sterilize and disinfect instruments, prepare trays for dental procedures, and prepare materials for making impressions and restorations. The program also teaches students how to expose and process dental radiographs for proper diagnostic use. They will also learn to perform basic office duties including scheduling, dental procedure codes and patient privacy laws. Students in the dental assistant program may apply their knowledge and skills in industry work experiences. This may include laboratory-based unpaid work experience for students.

Emergency Medical Technician (EMT) Program of Study– Due to limited seats a rubric applies to this program.

EMERGENCY MEDICAL TECHNICIAN (EMT) - PRACTICUM IN HEALTH SCIENCE I

HLS026

Grade Placement: 12

Required Prerequisite: Health Science Theory and Biology

Recommended Prerequisite: Clinical- Practicum in Health Science I & Anatomy and Physiology

Credit: 2

Drug test required. Due to limited seats a rubric will be applied. Purchase of scrubs and uniform required.

This course is designed to equip students with knowledge, technical skills, and work habits required for an entry-level position as an EMT in the health care or public safety fields. Our teaching techniques encourage active student participation and may include group discussions and projects, laboratory work, simulations, demonstrations, field trips, guest speakers and lectures. A strong emphasis is placed on ethics, accountability, professionalism, and the individual's commitment to pursue lifelong personal and professional development. In addition, students who successfully complete the course and graduate may have the opportunity to sit for the Emergency Medical Technician Certification.

Pharmacy Technician Program of Study– Due to limited seats a rubric applies to this program.

PHARMACOLOGY

HLS022

Grade Placement: 11

Required Prerequisite: Biology, Chemistry, (Co-requisite of Health Science Theory if not already taken)

Recommended Prerequisite: None

Credit: 1

This course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers.

PHARMACY TECHNICIAN - PRACTICUM IN HEALTH SCIENCE I

HLS008

Grade Placement: 12

Required Prerequisite: Biology, Chemistry, Health Science Theory

Recommended Prerequisite: Pharmacology

Credit: 1

Drug test required. Due to limited seats a rubric will be applied. Purchase of scrubs and uniform required. Pharmacy Board registration and fingerprinting required.

This course is designed to equip students with knowledge, technical skills, and work habits required for an entry -level position in the pharmacy field or related area. Our teaching techniques encourage active student participation and may include group discussions and projects, laboratory work, simulations, demonstration, field trips, guest speakers, and lectures. A strong emphasis is placed on ethics, accountability, professionalism, and the individual's commitment to pursue lifelong personal and professional development. Students in the classroom will receive Sterile Products (IV) training prior to completion of the course and are eligible to sit for the National Sterile Products (IV) Certification immediately following graduation. In addition, students who successfully complete the course and graduate may have the opportunity to sit for The Exam for the Certification of Pharmacy Technicians (ExCPT).

Health Science Internship Program of Study– Due to limited seats a rubric applies to this program.

INTERNSHIP – PRACTICUM IN HEALTH SCIENCE I (OR II)

HLS013

Grade Placement: 12

Required Prerequisite: Health Science Theory,

Recommended Prerequisite: Clinical- Practicum in Health Science I

Credit: 2

Drug test required. Due to limited seats a rubric will be applied. Purchase of scrubs and uniform required.

This course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course may be offered through internship experiences and/or on campus lab-based instruction. Students would be required to obtain an internship placement and complete 10 hours of experience per week.

Collin College Health Science Dual Credit Program

This program is facilitated through Collin College, all application and enrollment requirements are determined by the college. Students must pay in county tuition and fees for the courses, in addition to any required materials.

Students interested in technical dual credit courses might have additional application requirements and procedures determined by Collin College Health Science Department and Rockwall ISD. Please check with the CTE Counselor at GBCCA for additional information. Students pay Collin College in-county tuition and fees and must purchase textbooks for this course.

PATIENT CARE TECHNICIAN (PCT) - PRACTICUM IN HEALTH SCIENCE I and II

HLS26D (11th Grade), HLS27D (12th Grade)

Grade Placement: 11 and 12 (This is a two-year program.)

Required Prerequisite: Health Science Theory

High School Credit: 6 (3 each year)

College Credit: 18

Certification: Certified Nurse Aid (CNA), Certified EKG (CET), Certified Patient Care Technician (CPCT/A)

This course is a 2-year selective admission dual credit clinical program designed to equip students for an entry-level position in the hospital or urgent care setting. PCT students will receive training in three separate areas. In 11th grade, they will be trained as a Certified Nurse Aide (CNA) and have the opportunity to practice their skills in a skilled nursing facility. In 12th grade, they will be trained in Electrocardiography in the fall semester and Phlebotomy in the spring semester. After successfully completing the three program areas, students will complete a capstone portfolio project, and be eligible to sit for the national certification exam to become a Certified Patient Care Technician/Assistant (CPCT/A).

ELECTROCARDIOGRAPHY TECHNICIAN (EKG) - PRACTICUM IN HEALTH SCIENCE I (OR II)

HLS24D

Grade Placement: 12

Required Prerequisite: Health Science Theory

High School Credit: 3

College Credit: 10

Certification: Certified EKG (CET)

This course is a selective admission dual credit clinical program designed to equip students for an entry-level position in the electrocardiography field. Students will have the opportunity to study cardiac anatomy, practice electrocardiography placement and interpretation, learn about echocardiography, and experience clinical rotations. At the conclusion of the course, students will sit for a national certification exam to become a Certified EKG Technician (CET).

CENTRAL STERILE PROCESSING/PRE-SURGICAL TECHNICIAN (CSP) - PRACTICUM IN HEALTH SCIENCE I (OR II)

HLS23D

Grade Placement: 12

Required Prerequisite: Health Science Theory

High School Credit: 3

College Credit: 16

Certification: Certified Registered Central Service Technician (CRCST)

This course is a selective admission dual credit clinical program designed to equip students for an entry-level position in the sterile processing field by offering a blended course of online and lecture instruction, and providing students with problem-solving exercises and real-world experience. **NOTE:** In order to participate in this program, students must be 18 years old by the 3rd Monday in January, and must be available to work a minimum of 25 hours/week in a clinical setting during the spring semester of their senior year. Students who successfully complete the curriculum will be eligible to sit for the national certification examination administered by the International Association of Healthcare Central Service Material Management (IAHCSMM). Students who pass the exam are allowed to use the title Certified Registered Central Service Technician.

PUBLIC SERVICE ENDORSEMENT
Law, Public Safety, Corrections, and Security Career Cluster

The Law, Public Safety, Corrections, and Security Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and other agencies that provide emergency services.

Possible careers in Law, Public Safety, Corrections, and Security include: Law Enforcement Officer (local, state and federal), Detention Officer, Communications Operator (911 dispatcher), Security Officer, Protective Services, Courtroom Professional Services and other emergency management positions.

Course Name	Credits	Grade Levels	Prerequisites
<i>Law and Public Safety Program of Study*</i>			
Principles of Law, Public Safety Corrections and Security	1	9-10	None
Law Enforcement I	1	10-11	None
Law Enforcement II	1	11-12	Law Enforcement I; Recommended students must have earned an 80 or above in Law Enforcement I. Due to course content and field trips students must be able to pass a background checks and have no disciplinary action that could be constituted as a criminal offense.
Criminal Investigation	1	12	Law II; Recommended students must have earned an 80 or above in Law Enforcement II. Due to course content and possible job shadowing opportunities students must be able to pass a background check and have no disciplinary action that could be constituted as a criminal offense.
Court Systems and Practices	1	12	None
Forensic Science at GBCCA (science credit)	1	12	Biology and Chemistry

***Students may not take multiple classes unless very specific/certain criteria are met. Exception: Students may take Criminal Investigation and Courtroom Practices in the same school year.**

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

LAW001

Grade Placement: 9-10

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

Cannot take Principles of Law, Public Safety, Corrections, and Security with any other law course.

Introduces students to professions in law enforcement, security, corrections, and other emergency management services. Students will examine the roles and responsibilities of police officers, corrections officers, private security officers, and other positions related to emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, corrections, security, and other emergency management positions.

LAW ENFORCEMENT I

LAW003

Grade Placement: 10-11

Required Prerequisite: None

Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security

Credit: 1

Students seated in Law I may not also be seated in Law II or Criminal Investigations in the same school year.

Law Enforcement I is an overview of the law history, organization, and functions of local, state and federal law enforcement. This course includes the role of constitutional law local, state and federal laws, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime.

LAW ENFORCEMENT II

LAW004
Grade Placement: 11-12
Required Prerequisite: Law Enforcement I
Recommended Prerequisite: Students must have earned an 80 or above in Law Enforcement I. Due to course content and field trips students must be able to pass a background check and have no disciplinary action that could be constituted as a criminal offense.

Credit: 1
Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of patrol procedure, the role of first responders, telecommunications, emergency equipment operations, and courtroom testimony. Students may not be enrolled in this course if they have received school punishment that would otherwise constitute a crime of moral turpitude or any other felony.

CRIMINAL INVESTIGATION

LAW006
Grade Placement: 12
Required Prerequisite: Law II
Recommended Prerequisite: Students must have earned an 80 or above in Law Enforcement II. Due to course content and possible job shadowing opportunities students must be able to pass a background check and have no disciplinary action that could be constituted as a criminal offense.

Credit: 1
Criminal Investigation is a course that introduces students to the profession of criminal investigations. Students will understand basic functions of criminal investigations and procedures and will learn how to investigate or follow up during investigations. Students will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation. Through case studies and simulated crime scenes, students will collect and analyze evidence such as fingerprint analysis, bodily fluids, hairs, fibers, shoe and tire impressions, bite marks, drugs, tool marks, firearms and ammunition, blood spatter, digital evidence, and other types of evidence. Students may not be enrolled in this course if they have received school punishment that would otherwise constitute a crime of moral turpitude or any other felony. Students enrolled in criminal investigations must be passing all classes and may be subjected to a background check for job shadowing purposes.

COURT SYSTEMS AND PRACTICES

LAW005
Grade Placement: 12
Required Prerequisite: None
Recommended Prerequisite: Principles of Law, Public Safety, and Corrections
Credit: 1

Courts Systems and Practices is an overview of the State and Federal court systems. This course identifies the roles of courtroom participants, the trial process from pre-trial to sentencing, and examines the rules of evidence. Emphasis is placed on constitutional laws for criminal proceedings.

FORENSIC SCIENCE

LAW02L
Grade Placement: 11-12
Required Prerequisite: Biology and Chemistry
Credit: 1

This course fulfills the state requirement for an advanced science credit.
Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, interviewing, criminal behavior characteristics, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn history, legal aspects, and career options for forensic science.

PUBLIC SERVICE ENDORSEMENT

Education and Training Cluster

The **Education and Training Career Cluster** focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

Possible careers in Education and Training include: Administrator, Assessment Specialist, Career Tech Administrator, Child Care Worker, Clinical Psychologist, Coach, College/University Faculty, Counselor, Curriculum Developer, Elementary Teacher, High School Teacher, Middle School Teacher, Principal and Speech-Language Pathologist

Course Name	Credits	Grade Levels	Prerequisites
<i>Teaching and Training Program of Study</i>			
Principles of Education and Training	1	9-10*	None
Communication and Technology in Education	1	10-12	None
Instructional Practices (2021-2022)	2	11-12	None
Practicum in Education and Training (2022-2023)	2	12	Instructional Practices

**For the 2020-2021 school year 10th-12th grade students can take Principles of Education and Training and Communication in Technology simultaneously. Students in grade 9 will start the sequence with Principles of Education and Training only.*

PRINCIPLES OF EDUCATION AND TRAINING

EDT003

Grade Placement: 9-10

Required Prerequisite: None

Credit: 1

Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students will develop a graduation plan that leads to a specific career choice in the student's interest area.

COMMUNICATION AND TECHNOLOGY IN EDUCATION

EDT006

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: Principles of Education and Training.

Credit: 1

An overview of technology, media and digital information in education. This course includes a review of research on the impact, as well as methodology on effective use, of technology and media on children and teachers in the classroom and in curriculum planning and preservation.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATH (STEM) ENDORSEMENT *STEM Career Cluster*

Careers in Science, Technology, Engineering, and Mathematics (STEM) are challenging and ever-changing. Students who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

The STEM courses are comprehensive and experience-based and allow students to investigate and experience the means by which humans meet their needs and wants, to solve problems, and extend their capabilities. Technology Education is concerned with the knowledge and skills to develop, produce, and use products or services and how to assess the impacts these activities have on humans and the world. The study of technology allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. In addition to their general academic and technical knowledge and skills, students gain an understanding of career opportunities available in technology and what employers require for workers to gain and maintain employment in the 21st century.

Possible careers for Science, Technology, Engineering and Mathematics include: Aerospace Engineer, Computer Engineer, Product Designer, Electrical Engineer, Mechanical Engineer, Manufacturing Supervisor, Robotics Technician, Electrician, Civil Engineer and Laser Technician.

Course Name	Credits	Grade Levels	Prerequisites
Engineering Design & Presentation I (This course can be applied to all Engineering programs of study)	1	9-12	Algebra I
Engineering Design & Presentation II (UT Austin Dual Enrollment, This course can be applied to all Engineering programs of study)	2	10-12	Algebra I, Geometry, Engineering Design & Presentation I
Principles of Technology (Physics Credit) (This course can be applied to any STEM programs of study)	1	10-12	1 science credit and Algebra I
AC/DC Electronics	1	10-12	None
<i>Aerospace Engineering Program of Study</i>			
Scientific Research & Design-Aerospace I (Advanced Science credit)	1	11-12	Biology, Chemistry, and IPC or Physics
Engineering Design & Problem Solving-Aerospace II (Advanced Science credit)	1	12	Algebra I, Geometry and Aerospace I
<i>Robotics Engineering Program of Study</i>			
Robotics I	1	10-12	None
Robotics II (Math Credit)	1	11-12	Robotics I
Practicum in STEM (10 hours minimum of Internship)	2	12	Algebra I, Geometry and two STEM credits
Extended Practicum in STEM (15 hours minimum of Internship)	3	12	Algebra I, Geometry and two STEM credits
<i>Computer Science/Cyber Security Program of Study</i>			
Foundations of Cybersecurity	1	9-12	None
Computer Science I Pre-AP (LOTE Credit)	1	9-12	Algebra I
AP Computer Science Principles (LOTE credit)	1	9-12	None (Algebra I Recommended)
AP Computer Science A (LOTE and Math credit)	2	10-12	Algebra I
Cybersecurity Capstone (2021-2022)	1	11-12	Foundations of Cybersecurity
<i>Manufacturing and Machinery Mechanics Program of Study - This program of study is a Business and Industry Endorsement</i>			
Principles of Manufacturing	1	10-12	Engineering Design & Presentation I
Manufacturing Engineering Technology I-Dual Credit with Richland classes at Burton Academy (2021-2022)	1	11-12	Engineering Design & Presentation II, Principles of Manufacturing
Manufacturing Engineering Technology II-Dual Credit with Richland classes at Burton Academy (2022-2023) (Math Credit)	1	12	Algebra II; Manufacturing Engineering Technology I

ENGINEERING DESIGN & PRESENTATION I

STE002

Grade Placement: 9-12

Required Prerequisite: Algebra I

Recommended Prerequisite: None

Credit: 1

Students enrolled in this course will demonstrate knowledge and skills of the process of design as it applies to engineering fields using software applications and tools necessary to produce and present working drawings and prototypes. Students will use computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. Basic design principles as well as an introduction to the design software, SolidWorks, will be introduced.

ENGINEERING DESIGN & PRESENTATION II (UT AUSTIN DUAL ENROLLMENT CREDIT)

STE006 or STE06D

Grade Placement: 10-12

Required Prerequisite: Algebra I, Geometry, Engineering Design & Presentation I

Recommended Prerequisite: None

Credit: 2

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students will demonstrate knowledge and skills of the design process as it applies to engineering fields using software and tools necessary to produce and present working drawings, solid model renderings and prototypes. Students will learn intermediate and advanced concepts of design through the 3D design software Solid-Works. Through the implementation of the design process, students will transfer academic skills to project designs. Emphasis will be placed on using skills from ideation to prototyping. This course is also taught via The University of Texas at Austin's Cockrell School of Engineering's Engineer Your World Curriculum. Students have the opportunity to earn dual-enrollment credit through the University of Texas if they qualify. For more information, visit: <http://engineeringyourworld.org/courses/dual-enrollment>.

PRINCIPLES OF TECHNOLOGY

STE013

Grade Placement: 10-12

Required Prerequisite: 1 science credit and Algebra I

Recommended Prerequisite: None

This course fulfills the state requirement for an advanced Science credit (alternative to Physics)

Credit: 1

Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Various systems will be described in terms of space, time, and matter. Students will study topics that include laws of motion, conservation of energy, momentum, electricity, magnetism, thermodynamics, and characteristics and behavior of waves. Students will apply physics concepts and perform laboratory experimentations for at least 40% of instructional time using safe practices.

AC/DC ELECTRONICS

STE012

Grade Placement: 10-12

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Through use of the design process, students will transfer academic skills to component designs in a project based environment. Students will use a variety of computer hardware and software applications to complete assignments and projects. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry. Basic electronic principles will be introduced.

Aerospace Engineering Program of Study

SCIENTIFIC RESEARCH & DESIGN-AEROSPACE I

STE008

Grade Placement: 11-12

Required Prerequisite: Biology and Chemistry and IPC or Physics

Recommended Prerequisite: None

Credit: 1 (science credit)

This course fulfills the state requirement for an advanced science credit.

Designed for the student interested in pursuing a career in the aerospace industry. This course is the first of two courses allowing students to explore aerospace science in a lab-based environment while improving fundamental research skills, applying statistical analysis and enhancing oral and visual presentation techniques. Students work in teams on an aerospace research project and learn how to structure, organize and present the project in one or more formal presentations to a panel of judges.

ENGINEERING DESIGN & PROBLEM SOLVING- AEROSPACE II

STE004

Grade Placement: 12

Required Prerequisite: Algebra I, Geometry and Aerospace I.

Recommended Prerequisite: None

Credit: 1 (science credit)

This course fulfills the state requirement for an advanced science credit.

The creative process of solving problems by identifying needs and then devising solutions. The course reinforces and integrates skills learned in previous mathematics and science courses while stimulating students' ingenuity, intellectual talents and practical skills in devising solutions to aerospace engineering design problems. Students will use the engineering design process cycle to investigate, design, plan, create and evaluate solutions while fostering an awareness of the social and ethical implications of technological development in Aerospace.

Robotics Engineering Program of Study

ROBOTICS I

STE003

Grade Placement: 10-12

Required Prerequisite: None

Recommended: Principles of Applied Engineering or Engineering Design & Presentation I

Credit: 1

Robotics I allows students to demonstrate knowledge and skills necessary for the robotic and automation industry. Students will use the engineering design process to build prototypes of robots using the VEX Robotics platform to complete desired tasks. Then, students will learn to program their robots to perform tasks autonomously. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.

ROBOTICS II

STE014

Grade Placement: 11-12

Required Prerequisite: Robotics I

Recommended Prerequisite: None

Credit: 1 (Math Credit)

Robotics II is a continuation of knowledge and skills learned in Robotics I. Advanced programming of robots will be mastered using the VEX Robotics platform. Additionally, various programming languages will be explored to program other autonomous robots. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

PRACTICUM IN STEM

STE007

Grade Placement: 12

Required Prerequisite: Algebra I, Geometry and 2 STEM credits

Recommended Prerequisite: None

Credit: 2

This course gives students practical application of previously studied knowledge and skills. Students will design and prototype a senior capstone project and present to community leaders. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course can include a paid or unpaid internship with 10 or more hours on the job. In addition, students will have the opportunity to learn to program CNC machines and become certified. *The required class fee is \$50.00 for supplies and materials.*

EXTENDED PRACTICUM IN STEM

STE011

Grade Placement: 12

Required Prerequisite: Algebra I, Geometry and 2 STEM credits

Recommended Prerequisite: None

Credit: 3

Extended Practicum in STEM is the same as Practicum in STEM but requires a 15 or more hour internship. *The required class fee is \$50.00 for supplies and materials.*

Computer Science/Cyber Security Program of Study

FOUNDATIONS OF CYBERSECURITY

TEC008

Grade Placement: 9-12

Required Prerequisite: None

Recommended Prerequisite: None

Credit: 1

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks. The skills obtained in this course prepare students for additional study in cybersecurity. A variety of courses are available to students interested in this field. Foundations of Cybersecurity may serve as an introductory course in this field of study.

COMPUTER SCIENCE I PRE-AP

TEC01P

Grade: 9-12

Required Prerequisite: Algebra I

Recommended Prerequisite: None

Credit: 1 (LOTE Credit)

This course meets state requirements for a foreign language credit (LOTE).

Computer Science I is designed to foster students' creativity and innovation by presenting opportunities to design, implement and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor and with various electronic communities to solve the problems presented throughout the course. Data analysis will include the identification of task requirements, planning search strategies and the use of computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that supports the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create a solution, and evaluate the results. Students will learn to become good digital citizens by practicing integrity and respect throughout the Computer Science I course. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts.

AP COMPUTER SCIENCE PRINCIPLES

TEC07A

Grade Placement: 9-12

Required Prerequisite: None

Recommended Prerequisite: Algebra I

Credit: 1 (LOTE Credit)

This course meets state requirements for a foreign language credit (LOTE).

Students are required to take an Advanced Placement exam.

This is an advanced placement computer science course focusing on the power, beauty, and joy of computing and showing how computing impacts almost every aspect of our lives. Students should be prepared for college level rigor to complete two complex projects. Students learn how computational thinking can help solve real-world problems in varied fields such as forensics, social networking, and artificial intelligence. Students also develop basic programming skills. This course can be used to satisfy one Foreign Language requirement. There is a fee associated with this course.

AP COMPUTER SCIENCE A

TEC01A and TEC01B

Grade Placement: 11-12

Required Prerequisite: Algebra I

Recommended Prerequisite: None

Credit: 2 (1 LOTE, 1 Math)

Students are required to take an Advanced Placement exam. This course is one class period. This course meets graduation requirements for an advanced math credit and one foreign language credit (LOTE).

Introduces Advanced Placement topics using Java as the primary programming language. Computer Science emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in college-level computer science. It also includes the study of data structures and abstraction. There is a fee associated with this course.

Manufacturing and Machinery Mechanics Program of Study

This program of study is a Business and Industry Endorsement

PRINCIPLES OF MANUFACTURING

MAU001

Grade Placement: 10-12

Required Prerequisite: Engineering Design and Presentation I

Recommended Prerequisite: None

Credit: 1

Principles of Manufacturing focuses on planning, managing, and performing the processing of materials into intermediate or final products. Related professional and technical support activities such as production planning and control, maintenance, and manufacturing /process engineering. The study of manufacturing technology allows students to reinforce, apply and transfer academic knowledge to a variety of processes such as metal forming, machining, and 3D printing. Students will also learn the correct safety procedures to use machines such as drill press, lathe, and mill. Computer Aided Manufacturing (CAM) will also be introduced. Students prepare for NIMS certifications in drill press skills, manual milling skills, and measurement, material, and safety. The 3D printing certification test will also be provided. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers.

Field-Based Learning

Field-Based Learning occurs when students participate in work based instruction with a community-based agency or organization. These activities offer students challenges that differ from classroom instructional activities and from most independent learning. They involve experiential learning in a setting that directly supports a segment of the community. They also offer students an opportunity to go into the field and try on a particular professional role in public or community service.

Career Preparation/Paid Work-Based Learning – A paid work-based learning instructional arrangement in Career-Technical Education for students who, through written training agreements between the school and the employer (training sponsor), receive instruction by study in school with on-the-job training in an approved program area for paid employment. Paid work experiences build upon the academic and occupational competencies previously developed through a student’s general education courses and other components of a program of study in Career-Technical Education. The daily classroom instruction and work-based instruction must occur each week for the entire school year and be planned and supervised by the teacher-coordinator and the employer (training sponsor) so that each contributes to the student’s education and employability skills. Students must be a minimum age of 16 and hold valid work documentation, such as a Social Security Card. Employee, student, and parent/guardian must sign a performance contract. See the campus Career Preparation Instructor for training agreements and requirements. It is the student’s responsibility to obtain an employer for on-the-job training. A signed training agreement must be provided to the teacher by September 1 for district approval.

CAREER PREPARATION I

CRP001

Grade Placement: 11-12

Prerequisite: Training agreement required

Credit: 2

Provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business, and community stakeholders. The goal is to prepare students with a variety of skills for a fast-changing workplace. Students are taught employability skills, which include job specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations and portfolio development. Career preparation is relevant, rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. A completed training plan agreement must be submitted the first week of school. Student must work an average of 10+ hours per week in a paid position during the entire school year.

CAREER PREPARATION II

CRP002

Grade Placement: 12

Prerequisite: Career Preparation I; Training agreement required

Credit: 2

Develops essential knowledge and skills through classroom technical instruction and on-the-job training in an approved business and industry training area. Students will develop skills for lifelong learning, employability, leadership, management, work ethics, safety and communication as a group; however, each student will have a training plan that will address job-specific knowledge and skills. Approved training sponsors will provide paid occupational training for a student. The training sponsor will assist the teacher in providing the necessary knowledge and skills for the students’ specific career preparation. A completed training plan agreement must be submitted and approved prior to the start of the course. Student must work an average of 10+ hours per week in a paid position during the entire school year.

EXTENDED CAREER PREPARATION I

CRP003

Grade Placement: 11-12

Credit: 3

The extended career preparation is a 15 hour or more internship of the course listed above.

EXTENDED CAREER PREPARATION II

CRP004

Grade Placement: 12

Credit: 3

The extended career preparation is a 15 hour or more internship of the course listed above.

PROJECT-BASED RESEARCH

OTH017 and OTH018 (RHS, RHHS), OTH17C and OTH18C (GBCCA)

Grade Placement: 11-12

Prerequisite: Project Proposal Approval Required by CTE Executive Director

Credit: 1

A rigorous course for students to research real-world problems. Students are matched with a mentor from the business or professional community to develop an original project on a topic related to career interests, use scientific methods of investigation to conduct in-depth research, compile findings, and present their findings to an audience that includes experts in the field. To attain academic success, students must have opportunities to learn, reinforce, apply and transfer their knowledge and skills, in a variety of settings. Only students with excellent independent self-management skills should consider this course. A project proposal must be submitted and approved by teacher prior to the 15th school day.

Fine Arts - Music

Course Name	Credits	Grade Levels	Prerequisites
<i>Band</i>			
Varsity Band I-IV	1	9-12	Audition Required
Concert Band I-IV	1	9-12	Audition Required
Symphonic Band I-IV	1	9-12	Audition Required
Wind Ensemble I-IV	1	9-12	Audition Required
Jazz Band I-IV	1	9-12	Audition Required
Instrumental Performance Ensemble – Band I-IV	1	9-12	Audition and concurrent enrollment in Varsity Band, Concert Band, Symphonic Band, and Wind Ensemble and teacher recommendation
<i>Choir</i>			
JV Men Choir I-IV	1	9-12	Audition Required
JV Women Choir I-IV	1	9-12	Audition Required
Intermediate Women Choir I-IV	1	9-12	Audition Required
JV Mixed Choir I-IV	1	9-12	Audition Required
Varsity Mixed Choir I-IV	1	9-12	Audition Required
Chamber Choir I-IV	1	9-12	Audition Required
Women’s Show Choir	1	9-12	Audition Required
Mixed Show Choir	1	9-12	Audition Required
<i>Orchestra</i>			
String Orchestra I-IV	1	9-12	Audition Required
Concert Orchestra I-IV	1	9-12	Audition Required
JV Orchestra I-IV	1	9-12	Audition Required
Varsity Orchestra I-IV	1	9-12	Audition Required
<i>Piano and Theory</i>			
Piano Performance I-IV	1	9-12	None
IB Music	1	11 and 12	Concurrent enrollment in Choir III/IV, Band III/IV, Orchestra III/IV, or Piano III/IV and IB course student with approved application
AP Music Theory	1	12	Prior Membership in band, choir, orchestra, piano lab, or other musical experience

BAND

VARSITY BAND I-IV

FINBV1, FINBV2, FINBV3, FINBV4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: FINBV1 and FINBV2 receives 1 Fine Arts credit plus .5 PE Substitution credit each; FINBV3 and FINBV4 receives 1 Fine Arts credit each

This course provides an opportunity for students to continue instrumental development. All students are members of the marching band in the fall semester and indoor drumline in the spring. This band will perform as part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. All members will also perform at all indoor percussion competitions and percussion concerts. Time will be required outside of the class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Band placement is determined by audition. This is a full yearcourse.

CONCERT BAND I-IV

FINBC1, FINBC2, FINBC3, FINBC4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: FINBC1 and FINBC2 receives 1 Fine Arts credit plus .5 PE Substitution credit each; FINBC3 and FINBC4 receives 1 Fine Arts credit each

This course provides an opportunity for students to continue instrumental development at an intermediate/advanced level, and all students are members of the marching band in the fall semester. This band will perform as part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of the class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Band placement is determined by audition. This is a full-year course.

SYMPHONIC BAND I-IV

FINBS1, FINBS2, FINBS3, FINBS4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: FINBS1 and FINBS2 receives 1 Fine Arts credit plus .5 PE Substitution credit each; FINBS3 and FINBS4 receives 1 Fine Arts credit each

This course provides an opportunity for students to continue instrumental development at an advanced level, and all students are members of the marching band in the fall semester. This band will perform as part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of the class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Band placement is determined by audition. This is a full-year course.

WIND ENSEMBLE I-IV

FINBW1, FINBW2, FINBW3, FINBW4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: FINBW1 and FINBW2 receives 1 Fine Arts credit plus .5 PE Substitution credit each; FINBW3 and FINBW4 receives 1 Fine Arts credit each

This course provides an opportunity for students to continue instrumental development at the highest advanced level, and all students are members of the marching band in the fall semester. This band will perform as part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of the class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Band placement is determined by audition. This is a full-year course.

JAZZ BAND I-IV

FINJ01, FINJ02, FINJ03, FINJ04

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This course is for those students interested in pursuing the study and performance of jazz/popular music. Students will perform in a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with Band I-IV except when instrumentation needs cannot be met with students within the band program. The study of improvisation will be incorporated into the curriculum of this course. Attendance at all outside of school rehearsals and performances is required. Band placement is determined by audition. This is a full-year course.

INSTRUMENTAL PERFORMANCE ENSEMBLE - BAND I-IV

FINBI01, FINBI02, FINBI03, FINBI04

Grade Placement: 9-12

Prerequisite: Audition and concurrent enrollment in Varsity Band, Concert Band, Symphonic Band, and Wind Ensemble and teacher recommendation

Credit: 1

Students develop foundational skills that develop musicianship including; music reading, technique, and ensemble skills. The course is taken in the corresponding block to the student's respective Concert Band, Symphonic Band or Wind Ensemble. There is no PE substitution credit for this course.

CHOIR

JV MEN CHOIR I-IV

FINCM1, FINCM2, FINCM3, FINCM4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This course is for male students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent male voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and may participate in competitive events coordinated by the University Interscholastic League. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

JV WOMEN CHOIR I-IV

FINCW1, FINCW2, FINCW3, FINCW4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This course is for female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent female voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and may participate in competitive events coordinated by the University Interscholastic League. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

INTERMEDIATE WOMEN CHOIR I-IV

FINCI1, FINCI2, FINCI3, FINCI4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This course is for female students with intermediate/advanced skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent female voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and may participate in competitive events coordinated by the University Interscholastic League. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

JV MIXED CHOIR I-IV

FINCJ1, FINCJ2, FINCJ3, FINCJ4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This choir is for male and female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon performance of a diverse variety of choral styles. Students will perform in concert programs and may participate in competitive events coordinated by the University Interscholastic League. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

VARSITY MIXED CHOIR I-IV

FINCV1, FINCV2, FINCV3, FINCV4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This choir is for male and female students with intermediate or advanced skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon performance of a diverse variety of choral styles. Students will perform in concert programs and may participate in competitive events coordinated by the University Interscholastic League. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

CHAMBER CHOIR I-IV

FINCC1, FINCC2, FINCC3, FINCC4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This course is for male and female students interested in pursuing the study and performance of vocal music in a variety of languages and styles that reflect different musical cultures and historical periods. Students will perform in a small ensemble (12-24 voices) and a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with mixed varsity choir. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

WOMEN'S SHOW CHOIR**FINCS1, FINCS2, FINCS3, FINCS4****Grade Placement: 9-12****Prerequisite: Audition Required****Credit: 1**

This course is for female students interested in pursuing the study and performance of jazz and popular music. Students will perform in a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with choir except when instrumentation needs cannot be met with students within that organization. The study of improvisation will be incorporated into the curriculum of this course. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

MIXED SHOW CHOIR**FINCH1, FINCH2, FINCH3, FINCH4****Grade Placement: 9-12****Prerequisite: Audition Required****Credit: 1**

This course is for male and female students interested in pursuing the study and performance of jazz and/or popular music. Students will perform in a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with choir except then instrumentation needs cannot be met with students within that organization. The study of improvisation will be incorporated into the curriculum of this course. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. Choir placement is determined by audition. This is a full-year course.

ORCHESTRA

STRING ORCHESTRA I-IV FINOS1, FINOS2, FINOS3, FINOS4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This orchestra provides an opportunity for students to continue instrumental development at an intermediate level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Orchestra placement is determined by audition. This is a full year course.

CONCERT ORCHESTRA I-IV FINOC1, FINOC2, FINOC3, FINOC4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This orchestra provides an opportunity for students to continue instrumental development at an intermediate/advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Orchestra placement is determined by audition. This is a full year course.

JV ORCHESTRA I-IV FINOJ1, FINOJ2, FINOJ3, FINOJ4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This orchestra provides an opportunity for students to continue instrumental development at an advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Orchestra placement is determined by audition. This is a full year course.

VARSITY ORCHESTRA I-IV FINOV1, FINOV2, FINOV3, FINOV4

Grade Placement: 9-12

Prerequisite: Audition Required

Credit: 1

This orchestra provides an opportunity for students to continue instrumental development at the highest advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Orchestra placement is determined by audition. This is a full year course.

PIANO AND THEORY

PIANO PERFORMANCE I-IV FINP01, FINP02, FINP03, FINP04

Grade Placement: 9-12

Prerequisite: None Credit: 1

A performance-based course that introduces students to the basic study of music, rhythm and keyboard skills through listening and playing. Students learn standard music notation while playing and performing. Class time is spent at the keyboard as well as other activities designed to develop music theory competencies. It is not necessary for students to have a keyboard at home in order to be successful in the class. No charge for materials or books.

IB MUSIC FIN101, FIN201

Grade Placement: 11 and 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Concurrent enrollment in Choir III/IV, Band III/IV, Orchestra III/IV, or Piano III/IV and IB course student with approved application

Credit: 1

This course is taken over a two year period. Students are required to take the appropriate IB Assessment.

The IB Diploma Programme standard level music course seeks to develop student's knowledge and potential as musicians, both personally and collaboratively. IB Diploma Programme music students are required to study musical perception and actively listen to a wide range of music from different parts of the world, musical cultures and time periods. They also develop aural perception and understanding of music by learning about musical elements, including form and structure, notations, musical terminology and context. Through the course of study, students become aware of how musicians work and communicate. There is a fee associated with this course.

AP MUSIC THEORY

FIN01A

Grade Placement: 12

Prerequisite: Prior membership in band, choir, orchestra, piano lab, or other musical experience

Credit: 1

Students are required to take an Advanced Placement exam.

This course will provide students with a learning experience equivalent to that of an introductory college course in music theory. The course will develop a student's ability to recognize, understand, describe, and analyze the basic materials and processes of music that are heard or presented in a score. It is recommended that students have prior training in music either through lessons (voice or instrumental), participation in an ensemble, or an introductory rudiments/theory course.

FINE ARTS - VISUAL ARTS

Course Name	Credits	Grade Levels	Prerequisites
Art I	1	9-12	None
Art II-IV Drawing	1	10-12	Art I or portfolio review
Floral Design	1	10-12	None
Art II-IV Painting	1	10-12	Art I or portfolio review
Art II-IV Ceramics	1	10-12	Art I or portfolio review
Art II-IV Sculpture (Three –Dimensional Work)	1	10-12	Art I or portfolio review
Art II-IV Printmaking	1	10-12	Art I or Portfolio Review
Portfolio Art I Pre-AP	1	9-12	Portfolio Review Required
Portfolio Art II Pre-AP —2-D Design	1	9-12	Portfolio Review Required
Portfolio Art II Pre-AP —3-D Design	1	9-12	Portfolio Review Required
AP Studio Art Drawing	1	11-12	Portfolio Review Required
AP Studio Art 2-D Design	1	11-12	Portfolio Review Required
AP Studio Art 3-D Design	1	10-12	Portfolio Review Required
AP Art History	1	10-12	None
IB Visual Arts	1	11 and/or 12	Art I or Teacher approval
IB Film	1	11 or 12	Enrollment in the IB Diploma Programme

VISUAL ARTS - The Visual Arts Department requires all students to have their own supplies to take any art course. The cost is approximately \$65.00. These may be purchased from the art department. Financial assistance or payment plans are available for those who qualify and must be applied for by parents or guardians.

ART I

ART001

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Course is designed for art students who wish to develop their artistic skills and continue in advanced art. Students learn the foundation skills needed to create in any art medium. This is the prerequisite course for all advanced courses. Students are responsible for all supplies.

ART II-IV DRAWING

ARTD02, ARTD03, ARTD04

Grade Placement: 10-12

Prerequisite: Art I or portfolio review

Credit: 1

Course is a continuation of the drawing skills studied in the Art I class. This course focuses on the creativity and exploration of media. Students are responsible for all supplies.

FLORAL DESIGN

AFN017

Grade Placement: 10-12

Prerequisite: None

Credit: 1

This course fulfills the state requirement for a fine arts credit.

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and prepare for success, students need opportunities to learn, reinforce, apply and transfer their knowledge and skills and technologies in a variety of settings. This course is taught at GBCCA and requires a lab fee of \$50.00 to assist in covering the cost of materials and supplies.

ART II-IV PAINTING

ARTP02, ARTP03, ARTP04

Grade Placement: 10-12

Prerequisite: Art I or portfolio review

Credit: 1

Course is an in-depth exploration of a variety of painting techniques and media. Students are required to create a working portfolio. Students are responsible for all supplies.

ART II-IV CERAMICS

ARTC02, ARTC03, ARTC04

Grade Placement: 10-12

Prerequisite: Art I or portfolio review

Credit: 1

Explores figurative sculpture and functional uses of clay. Students create clay works using the potter's wheel and other methods. Students are responsible for all supplies.

ART II-IV SCULPTURE (THREE-DIMENSIONAL WORK)

ARTS02, ARTS03, ARTS04

Grade Placement: 10-12

Prerequisite: Art I or portfolio review

Credit: 1

Course is an exploration of three-dimensional media and techniques. This in-depth study involves many media and techniques. Students are required to create a working portfolio. Students are responsible for all supplies.

ART II-IV PRINTMAKING

ARPRT2, ARPRT3, ARPRT4

Grade Placement: 10-12

Prerequisite: Art I or Portfolio Review Required

Credit: 1

Art II-IV Printmaking is an in-depth exploration of a variety of printmaking techniques and media. Students are required to create a working portfolio. Students are responsible for all supplies.

PORTFOLIO ART I PRE-AP

ART01P

Grade Placement: 9-12

Prerequisite: Portfolio Review Required

Credit: 1

Course is designed for the advanced, dedicated artist. Work is directed towards the AP Portfolio. Students make slide portfolios for final grade. Students are responsible for all supplies.

PORTFOLIO ART II PRE-AP —2-D DESIGN

ART02P

Grade Placement: 9-12

Prerequisite: Portfolio Review Required

Credit: 1

Course is designed for the advanced, dedicated artist drawing, painting, and other 2-D media. Work is directed towards the AP Portfolio. Students make slide portfolios for final grade. Students are responsible for all supplies.

PORTFOLIO ART II PRE-AP —3-D DESIGN

ART03P

Grade Placement: 9-12

Prerequisite: Portfolio Review Required

Credit: 1

Course is designed for the advanced, dedicated artist in sculpture, ceramics, and other 3-D media. Work is directed towards the AP Portfolio. Students make slide portfolios for final grade. Students are responsible for all supplies.

AP STUDIO ART DRAWING

ART05A

Grade Placement: 11-12

Prerequisite: Portfolio Review Required

Credit: 1

Students are required to take an Advanced Placement exam.

Allows students to demonstrate a mastery of drawing through a wide range of approaches and media. Students will explore a variety of drawing media such as pencil, charcoal, pen and ink, pastel, printmaking, collage, and other materials to demonstrate drawing issues such as light and shade, line quality, rendering of form, surface manipulation, and the illusion of depth. The scope of the AP Studio Drawing course requires the student to submit an extensive portfolio (24 pieces of work) of artwork that demonstrates the student's growth and development in three specific categories: quality, breadth (a variety of techniques) and concentration (an in depth exploration of a particular drawing concern). Permission of an art instructor is required. In addition to the AP class, an art lab is recommended.

AP STUDIO ART 2-D DESIGN

ART06A

Grade Placement: 11-12

Prerequisite: Portfolio Review Required

Credit: 1

Students are required to take an Advanced Placement exam.

Allows students to demonstrate an understanding of design principles as applied to the two-dimensional surface. Students will explore and demonstrate a mastery of 2-D media such as graphic design, digital imaging, photography, collage, drawing, illustration, painting, and printmaking. The scope of the AP Studio Art 2-D Design course requires the student to submit an extensive portfolio (24 pieces of work) of artwork that demonstrates the student's growth and development in three specific categories: quality, breadth (a variety of techniques) and concentration (an in depth exploration of a particular design concern). Permission of an art instructor is required. In addition to the AP class, an art lab is recommended.

AP STUDIO ART 3-D DESIGN

ART07A

Grade Placement: 10-12

Prerequisite: Portfolio Review Required

Credit: 1

Students are required to take an Advanced Placement exam.

Allows students to demonstrate an understanding of design principles as they relate to depth and space. Students will explore and demonstrate a mastery of sculptural media such as clay, plaster, metals, wood, found objects, and other materials. The scope of the AP 3-D Design course requires the student to submit an extensive portfolio (20 pieces of work) of artwork that demonstrates the student's growth and development in three specific categories: quality, breadth (a variety of techniques) and concentration (an in depth exploration of a particular design concern). Permission of an art instructor is required. In addition to the AP class, an art lab is recommended.

AP ART HISTORY

ART08A

Grade Placement: 10-12

Prerequisite: None

Credit: 1

Students are required to take an Advanced Placement exam.

Course is an advanced course in the history of art. All students are expected to take the AP College Board exam in the second semester.

IB VISUAL ARTS

ART011, ART021, ART031

Grade Placement: 11 or 12 (Standard Level); or 11 and 12 (Higher Level)

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: Art 1 or teacher approval

Credit: 1 or 2

Students are required to take the appropriate IB Assessments.

The IB Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. There is a fee associated with this course.

IB FILM

FIN011

Grade Placement: 11 or 12

Eligibility: IB Diploma Candidate OR approved IB course application

Prerequisite: None

Credit: 1

Students are required to take the appropriate IB Assessments.

The IB Film course aims to develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and through practical exercises in film production, the film course develops students' critical abilities and their appreciation of artistic, cultural, historical and global perspectives in film. Students examine film concepts, theories, practices and ideas from multiple perspectives, challenging their own viewpoints and biases in order to understand and value those of others. IB Film students experiment with film and multimedia technology, acquiring the skills and creative competencies required to successfully communicate through the language of the medium. They develop an artistic voice and learn how to express personal perspectives through film. The film course emphasizes the importance of working collaboratively. It focuses on the international and intercultural dynamic that triggers and sustains contemporary film, while fostering in students an appreciation of the development of film across time, space and culture. There is a fee associated with this course.

FINE ARTS - THEATRE ARTS

Course Name	Credits	Grade Levels	Prerequisites
Theatre Arts I Advanced	1	9-12	Middle school Theatre teacher recommendation and/or high school instructor approval
Theatre Arts I	1	9-12	None
Theatre Arts II-IV	1	10-12	Theatre Arts I
Advanced Theatre Production I-IV “Spotlight Productions” – RHS; “Centerstage Productions” – RHHS	1	10-12	Level I Theatre class, Audition
Technical Theatre I	1	9-12	None
Technical Theatre II-IV	1	10-12	Technical Theatre I
Technical Theatre II-IV, Design for the Theatre	1	10-12	Technical Theatre I or instructor approval
Technical Theatre II-IV, Theatre Management	1	10-12	Technical Theatre I and Instructor approval

THEATRE ARTS I ADVANCED

THE01A

Grade Placement: 9-12

Prerequisite: Middle school Theatre teacher recommendation and/or high school instructor approval

Credit: 1

Theatre performance provides students the opportunity to acquire advanced theatre skills as an art form and lifetime activity. Various theatre techniques will be taught as well as theatre history. This course requires that the students exercise self-discipline, and assume responsibility for performance and work on an independent level. Students’ creative expression will be demonstrated through acting in both class and in one public class performance. Requirements include attendance of a live theatrical performance selected from professional, community, and/or educational theatre each year.

THEATRE ARTS I

THE001

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course incorporates an introduction to theatre, study of theatre history, the role of an actor in interpreting and performing comedic and dramatic literature, performance theory and techniques and an overview of the technical elements of theatrical production. Requirements include attendance at one live theatrical performance selected from professional, community and/or educational theatre; one performance per school year.

THEATRE ARTS II-IV

THE002, THE003, THE004

Grade Placement: 10-12

Prerequisite: Theatre Arts I

Credit: 1

This course is for the student who has already had the basics of Theatre I or IA but wishes to pursue more extensive study of theatrical elements. Required are advanced, individual and group projects through class and public performance. This will require some outside rehearsals after school. Requirements also include attendance at one live theatrical performance selected from professional, community and/or educational theatre each semester.

ADVANCED THEATRE PRODUCTION I-IV (“Spotlight Productions” – RHS; “Centerstage Productions” – RHHS)

THEP01, THEP02, THEP03, THEP04

Grade Placement: 10-12

Prerequisite: Level I Theatre class, Audition

Credit: 1

Course is an advanced fine arts course exploring the principles of production through practical experiences in acting, creative movement, improvisation, directing and technical theatre. Requirements of the class: UIL One-Act Play, Texas Thespian Events, ordering a personal makeup kit, participation in multiple productions which require after school rehearsals, and attendance of a live theatrical performance selected from professional, community and/or educational theatre each year.

TECHNICAL THEATRE I**THET01****Grade Placement: 9-12****Prerequisite: None****Credit: 1**

Technical Theatre is a lecture and laboratory course exploring all technical aspects of play production. Areas of study include history, concepts, theories and application of scenic design, construction, lighting, sound, costumes, make-up, properties, etc. Other units of study include the responsibilities of technical production staff and careers available. Theatre safety will also be taught in each unit.

TECHNICAL THEATRE II-IV**THET02, THET03, THET04****Grade Placement: 10-12****Prerequisite: Technical Theatre I****Credit: 1**

Course is for the student who has already had Technical Theatre I but wishes to pursue more extensive study of the backstage elements. Some more advanced, individual projects are required of this student. Requirements include traveling to and from the PAC for the purpose of building scenery for productions at that venue as well as productions on the home campus and attendance at one live theatrical performance selected from professional, community and educational theatre each semester.

TECHNICAL THEATRE II-IV, DESIGN FOR THE THEATRE (SET DESIGN, MAKEUP, COSTUMING))**THDES2, THDES3, THDES4****Grade: 10-12****Prerequisite: Technical Theatre I or Theatre I or Instructor approval****Credit:1**

Students examine the application of technologies used in live productions. The course emphasizes one or more of the following design areas: sound, lighting, stagecraft, advanced rigging, costuming, makeup, and stage management. To apply the concepts taught, after school involvement in productions and other afterschool events is encouraged.

TECHNICAL THEATRE II-IV, THEATRE MANAGEMENT (PAC MANAGER CLASS)**THMGT2, THMGT3, THMGT4****Grade: 10-12****Prerequisite: Technical Theatre I or Theatre Production I and instructor approval****Credit: 1**

This course is designed to give students the opportunity for hands on experience with current entertainment technology. Students will accomplish this by supporting the needs/events in the Rockwall ISD Performing Arts Centers (PACs) and connected performance spaces. Students will engage in day-to-day operations of the PAC by assisting in tasks such as: venue operations, production planning and event setup/teardown. Students will be trained in the technical systems of the PAC. Students will be required to demonstrate these skills by staffing select non-paid district events outside of class time (nights and weekends). Students may apply to work paid events after successful demonstration of course skills.

FINE ARTS - DANCE

Course Name	Credits	Grade Levels	Prerequisites
Principles of Dance I-IV	1	9-12	None
Dance Performance Ensemble I-IV	1	9-12	Audition required for Dance II, III and I. Tryouts may be required for JV and Varsity drill team.
Dance I and II Composition and Improvisation	1	11-12	Audition required for JV and Varsity, Dance Performance Ensemble or Dance I-II, Director Placement

PRINCIPLES OF DANCE I-IV

DAN001, DAN002, DAN003, DAN004

Grade Placement: 9-12

Credit: 2 (1 credit for Fine Arts concurrent with 1 aerobic PE for Dance I; Dance II-IV is 1 Fine Arts credit only)

Provides students with the fundamental skills and knowledge of dance as an art form and lifetime activity. The course develops kinesthetic awareness, creates aesthetic appreciation of various dance forms and provides fitness opportunities for students.

DANCE PERFORMANCE ENSEMBLE I-IV Drill Team

DAND01, DAND02, DAND03, DAND04 Flag: DANF01, DANF02, DANF03, DANF04

Grade Placement: 9-12

Prerequisite: Audition required for Dance II, III and I. Tryouts may be required for JV and Varsity drill team

Credit: 2 (1 credit for Fine Arts concurrent with 1 PE substitution for Dance I; Dance II-IV is 1 Fine Arts credit only)

This course provides an opportunity for students to learn or continue to learn dance and color-guard skills. All students are members of the marching band in the fall semester and winter-guard in the spring. The guard will perform as part of the total band program at all designated football games, pep assemblies, parades, and marching contests. All members will also perform at all winter-guard competitions. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. Placement is determined by audition. This is a full year course.

DANCE I-II COMPOSITION AND IMPROVISATION

DAN1C1, DAN2C1

Grade Placement: 11-12

Prerequisite: Audition required for JV and Varsity, Dance Performance Ensemble or Dance I-II, Director Placement

Credit: 1

Prerequisite: Dance Performance Ensemble or Dance I-II, Director Placement

Dance Composition and Improvisation provides two levels of instruction that incorporate ballet, tap, jazz, modern, and contemporary dance genres. Students learn how to choreograph and actually choreograph in each dance genre. Students will work on the breakdown of music and rhythmic interpretations as they develop improvisational skills. This is a performance class and requires dancers who are highly skilled. Students are required to audition for this class.

PHYSICAL EDUCATION

Course Name	Credits	Grade Levels	Prerequisites
Adventure/Outdoor Education	1	9-12	None
Aerobic Activities	1	9-12	None
Weight Training I-IV	1	9-12	None
Team Sports	1	9-12	None
Foundations of Personal Fitness	1	9-12	None
Foundations of Personal Fitness Partner Program	1	9-12	Application and approval

PHYSICAL EDUCATION SUBSTITUTION - Students are allowed to substitute certain physical activities for the required semesters of Physical Education. Such a substitution shall be based on the physical activity involved in:

1. Drill Team (Dance Performance Ensemble 1), Marching Band and Cheerleading - Up to 1 credit
2. Athletics - Up to 4 credits
3. Off Campus Physical Activity (OCPA) — A district approved, private or commercially sponsored physical activity program conducted either on or off campus:
 - A list of approved private or commercially sponsored physical activity programs is available from the counselor;
 - Application fees and deadlines apply for approval - Up to four credits;
 - Students in 7th through 12th grade who participate in OCPA, will be required to pay an administrative fee per semester.

In Physical Education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically-active lifestyle. The student exhibits a physically-active lifestyle and understands the relationship between physical activity and health through the lifespan.

ADVENTURE/OUTDOOR EDUCATION

PED006

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course is designed for students who enjoy outdoor activities. Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge such as camping, fishing and archery. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime. A \$35 fee is required for hunter safety and boater education certifications. Teacher specified workout attire required.

AEROBIC ACTIVITIES

PED003

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Exposes students to a variety of aerobic activities that promote health-related fitness. The knowledge and skills promoted in this course include teaching students the value and options of aerobic activity as part of a balanced fitness program. Students will have opportunity to achieve a higher level of aerobic fitness by learning effective goal setting strategies, designing personal fitness plans, and participating in a variety of aerobic fitness activities. Teacher specified workout attire required.

WEIGHT TRAINING I-IV

PEDW04, PEDW05, PEDW06, PEDW07

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Individual Sports best serves students who desire to participate in a wide range of individual sports which can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course. Students will learn to design a Personal Fitness Program. Weight training will be emphasized. Teacher specified workout attire required.

TEAM SPORTS

PED005

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Team Sports is ideal for students who are looking to develop health related fitness and an appreciation for team work and fair play. Team Sports reinforces the concept of incorporating physical activity into a lifestyle of improved fitness and health. Students will learn to design a Personal Fitness Program. Sport activities that may be included are: flag football, volleyball, soccer, hockey, lacrosse, softball, basketball, tennis and badminton. Teacher specified workout attire required.

FOUNDATIONS OF PERSONAL FITNESS

PED001

Grade Placement: 9-12

Prerequisite: None

Credit: 1

Focuses on empowering students to strive for a lifetime of personal fitness with an emphasis on health-related components of physical fitness. The knowledge and skills covered in this course include teaching students the value and process of becoming physically fit. Students will have opportunity to achieve a higher level of physical fitness by learning effective goal setting strategies, designing personal fitness plans, and participating in a variety of fitness activities. Teacher specified workout attire required.

FOUNDATIONS OF PERSONAL FITNESS PARTNER PROGRAM

PED007

Grade Placement: 9-12

Prerequisite: Application and approval Credit: 1

Course is designed for students with special needs who will benefit more from an individualized and developmental program than from general physical education. A unique component of this program is the addition of peer teachers who are recruited from the general student population. The goal of the peer teachers is to provide an opportunity to teach exceptional learners in the physical education environment. Enthusiasm, determination and communication skills are a must.

ATHLETICS

Course Name	Credits	Grade Levels	Prerequisites
Athletics (as listed)	.5-4	9-12	None
Sports Medicine I	1	9-12	None
Athletic Trainer	1	9-12	Application Required and completion or concurrent enrollment in Sports Medicine
Cheerleading	1	9-12	Tryout required

ATHLETICS (as listed below)

Grade Placement: 9-12

Prerequisite: Coach's approval

Credit: .5 state Physical Education credit (up to a maximum of 4 credit)

Students participating in athletics in the Rockwall Independent School District must obtain a physical and complete appropriate paperwork to participate in class or participate in before or after school practices or sessions prior to the beginning of school in the fall. Saturday practice sessions may also be required. Many athletic programs require prior approval by the coach. Any questions concerning participation should be addressed to that coach or the athletic coordinator. The following is a list of sports available in Rockwall ISD:

Baseball

Boys' and Girls' Basketball

Boys' and Girls' Cross Country

Boys' and Girls' Golf

Boys' and Girls' Gymnastics

Boys' and Girls' Soccer

Boys' and Girls' Swimming

Boys' and Girls' Tennis

Boys' and Girls' Track

Boys; and Girls' Water Polo Football

Softball

Volleyball

Wrestling

Students desiring to participate in athletics after high school, will want to visit the following websites:

www.eligibilitycenter.org

www.playnaia.org

www.freerecruitingwebinar.org

SPORTS MEDICINE I

ISPMED

Grade Placement: 9-12

Prerequisite: None

Credit: 1

This course does not satisfy the physical education requirement for graduation.

This course is designed for students interested in fields such as athletic training, physical therapy, or sports medicine. The course includes classwork and practical hands-on application in the following areas: prevention, treatment, and rehabilitation of sports injuries, taping and wrapping of injuries, First-Aid/CPR, and emergency procedures.

ATHLETIC TRAINER

PED004

Grade Placement: 9-12

Prerequisite: Application Required and Completion or Concurrent Enrollment in Sports Medicine

Credit: 1

This course does not satisfy the physical education requirement for graduation.

Student athletic training is a full year class that involves hands-on experience on the field and in the training room. This class is designed for students interested in fields such as athletic training, physical therapy, or sports medicine. This class will involve required practice and game coverage (nights and occasional weekends), first aid and emergency care, and team travel.

CHEERLEADING

PEDC09, PEDC10, PEDC11, PEDC12

Grade Placement: 9-12

Credit: 1 (PE substitution credit for 1st year; Gymnastics for 2nd year-4th years)

Prerequisite: Tryout required

This class meets during the school day and consists of conditioning activities, skill development in several cheerleading techniques, and specific preparation for game and competition performances. Cheerleaders are involved in summer camps, pep rallies, games, community events and competitions. Students gain membership through tryouts held during spring of the previous school year. A student who successfully completes cheerleading both fall and spring semesters will receive 1 credit of substitution toward the physical education state graduation requirement.

HEALTH

Course Name	Credits	Grade Levels	Prerequisites
Health	.5	9-12	None

HEALTH

HLH001

Prerequisite: None

Grade Placement: 9-12

Credit: .5

Students learn health concept recommended for comprehensive health instruction. This survey course includes instruction in mental health, family and social health, the life cycle, body systems, personal health and physical fitness, nutrition, medicines and drugs, diseases and disorders, community and environmental health, consumer health and safety and emergency care.

OTHER COURSES

Course Name	Credits	Grade Levels	Prerequisites
AVID I-IV	1	9-12	Must be identified as an AVID student
Academic Decathlon	.5 to 1	9-12	None
Student Leadership	1	9-12	Application Required
SAT Prep-Critical Reading, Writing and Math	.5	10-12	None
Peer Assistant Leadership I-II (PALS)	1	11-12	Application Required
Office Aide (local credit)	1	12	With approval and at least a "C" average or above and no disciplinary action in the prior semester
Laboratory Management (local credit)	1	12	Teacher approval
H.O.P.E. "Helping our Peers Excel"	1 Local	9-12	Application

AVID I-IV

IAVID1, IAVID2, IAVID3, IAVID4

Grade Placement: 9-12

Prerequisite: Must be identified as an AVID student through a recommendation, an application and interview process.

Credit: 1

AVID is an elective course that prepares identified students for post-secondary education success. Students receive instruction in writing, inquiry, collaboration, organization and reading strategies that are necessary for academic success. Concurrent enrollment in at least one Pre-AP, AP, IB or dual credit course is required. Support is provided during the AVID class for student success in rigorous core content courses.

ACADEMIC DECATHLON

@ACDE1, @ACDE2

Grade Placement: 9-12

Prerequisite: None

Credit: .5 to 1

National scholastic competition designed to foster academic growth and understanding in a variety of fields. Study centers on a designated theme for Super Quiz each year. Students engage in an in-depth study of theme through the lenses of art, economics, language and literature, math, music and science/social science in preparation for the Regional Academic Decathlon meet in the spring. Additionally, students are given extensive opportunities to refine speech, interview, and essay writing skills. This course is designed for students of all ability levels; however, certain criteria must be met. Interested students are encouraged to contact coaches for additional information prior to registering. **This course, because of the rigorous content, received weighted GPA credit.**

STUDENT LEADERSHIP

I LEAD

Grade Placement: 9-12

Prerequisite: Application Required

Credit: 1

Prepares students for leadership positions in the school and community through involvement in Student Council. Leadership development and community service are the focus of this course.

SAT PREP-CRITICAL READING, WRITING and MATH

ELA014

Grade Placement: 10-12

Prerequisite: None

Credit: .5

This course is designed to prepare students for success on the SAT. This course will teach students the format of the test and provide both strategies and practice for questions on critical reading, sentence completion, grammar, usage, and writing. In addition to reviewing topics from pre-algebra, algebra, and geometry, students will become familiar with the format of the SAT test and learn strategies for success.

PEER ASSISTANT LEADERSHIP I-II (PALS)

IPALS1, IPALS2

Grade Placement: 11-12

Prerequisite: Application Required

Credit: 1

PALS is implemented as a peer-helping program in which selected high school students are trained to work as peer facilitators with younger students on their own campuses and/or from feeder middle and elementary schools. Participants are trained in a variety of helping skills which enables them to assist other students in having a more positive and productive school experience. The course serves the dual purposes of providing practical knowledge and skills, as well as actual field experience, for students potentially interested in careers in education or other service professions. PALS use positive peer influence as a central strategy for addressing dropouts, substance abuse prevention, teen pregnancy and suicide, absenteeism and other areas of concern.

OFFICE AIDE

@OFYOU (Counselor); @OFATT (Attendance); @OFLIB (Library)

Grade Placement: 12

Prerequisite: Must have approval from assistant principal, office staff and counselor, A "C" average or above and no disciplinary action in the previous semester

Credit: .5-1 local credit

A one or two semester course involving practical work experiences for the student in assisting the administrative staff in school offices or library.

LABORATORY MANAGEMENT

@LMSCI

Grade Placement: 12

Prerequisite: Teacher approval

Credit: 1 local credit

Designed to allow a student to assist teachers in setting up and carrying out laboratory activities, keeping laboratory management duties as assigned by the supervising teacher. For grading purposes, the student will demonstrate knowledge about the responsibilities of the course and will perform duties over the semester in a consistent and responsible manner. Opportunities in Lab Management include science and art.

H.O.P.E. "HELPING OUR PEERS EXCEL"

IHOPE1

Grade Placement: 9-12

Prerequisite: APPLICATION

Credit: 1 Local

H.O.P.E. is a peer-tutoring/mentoring program that pairs peer tutors with students who may have significant cognitive disabilities or other disabilities. Peer tutors will assist these students one class period a day, whether in a core class or an elective class. The peer-tutor, in addition to helping the student with his/her class work, will also develop a friendship with the student. Students desiring to enroll in the H.O.P.E. course will submit a brief application form with demographic information and a statement of why they would like to be a part of H.O.P.E. They will also secure at least one faculty recommendation. H.O.P.E. participants will be selected by a team consisting of the ACE teacher(s) and an administrator.

SPECIAL EDUCATION COURSE OFFERINGS

An Admission, Review and Dismissal (ARD) Committee determines Special Education placement and individual course selections. Placement and course selections are reviewed, at a minimum, on an annual basis. Modified curriculum may be delivered in a co-teach or resource setting.

Special Education Course Offerings: All students will have access to the general curriculum and to the Texas Essential Knowledge and Skills (TEKS). Curriculum may be accessed through accommodations, modifications, and/or recommended prerequisite skills dependent upon the individual needs of the student. All core subject special education courses are taken for credit towards graduation.

SPECIAL PROGRAMS 4 YEAR PLAN: MODIFIED CURRICULUM

Course/Subject	9th/Freshman	10th/Sophomore	11th/Junior	12th/Senior
English (4 credits)	English I Modified	English II Modified	English III Modified	English IV Modified
Mathematics (minimum 3 credits)	Algebra I Modified	Geometry Modified	Financial Math Modified	Algebraic Reasoning Modified
Science (minimum of 3 credits)	Integrated Physics and Chemistry (IPC) Modified	Biology Modified	Aquatic Science Modified	Earth and Space Science Modified
Social Studies (minimum of 3 credits)	World Geography Modified	World History Studies Modified	United States Studies since 1877 Modified	United States Government Modified/Economics with Emphasis on Free Enterprise and its Benefits Modified
Physical Education (1 credit)	Physical Education Courses, Athletics			
Languages Other Than English (LOTE) (minimum 2 credits)	2 Credits from the same language unless substitute course is designated per ARD decision			
Fine Arts (1 credit)	1 Credit: Fine Arts, Theatre Arts, Music, or Visual Arts			
Electives (5 credits for Foundation High School Graduation Plan and 7 credits for Foundation High School Graduation Plan with Endorsement)	All students on a modified curriculum have access to all general education electives. The level of support will be determined by the ARD.			
Modified Electives (These electives are taught by a Special Education Teacher.)	Reading I, II, III Modified (9-12)			
	Methodology for Academic and Personal Success (MAPS) (9-10)			
	Making Connections I-IV (9-12) <ul style="list-style-type: none"> ● Making Connections I and Making Connections II are corequisites. ● Making Connections III and Making Connections IV are corequisites. 			
			General Employability Skills I-III (10-12)	
				College Transition (11-12)
			Career Prep I-II Modified (11-12)	

SPECIAL PROGRAMS - MODIFIED ENGLISH LANGUAGE ARTS

ENGLISH I MODIFIED

*ELA001

Grade Placement: 9

Prerequisite: ARD Decision

Credit: 1

This state requires an EOC assessment at the end of this course.

This course is designed to meet the educational needs of the students based on the English I TEKS objectives. Emphasis will be on fundamental language skills: reading, writing, speaking, and listening. An emphasis on literacy and composition skills will be an on-going part of the program. The course includes studying various texts (both self-selected and assigned), analyzing author's craft, and composing for a variety of purposes. The development of both critical reading and writing skills is a major emphasis of the course. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

ENGLISH II MODIFIED

*ELA002

Grade Placement: 10

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment at the end of this course.

This course is designed to meet the educational needs of the students based on the English II TEKS objectives. An emphasis on literacy and composition skills will be an on-going part of the program. The course includes the studying of various texts (both self-selected and assigned), analyzing author's craft, and composing for a variety of purposes. Students read and write on a daily basis, engaging in activities that build on existing skills as they comprehend and analyze text. Students read and analyze various works, with emphasis on how stylistic choices and rhetorical elements shape tone in argumentative texts. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

ENGLISH III MODIFIED

*ELA003

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

This course is designed to meet the educational needs of the students based on the English III TEKS objectives. This course emphasizes the study of various texts (both self-selected and assigned), analyzing author's craft, and studying rhetorical forms: short stories, poetry, and novels. The development of critical reading and critical writing skills is central to the course. Students will compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

ENGLISH IV MODIFIED

*ELA004

Grade Placement: 12

Prerequisite: ARD Decision

Credit: 1

This course is designed to meet the educational needs of the students based on the English IV TEKS objectives, while providing greater depth in language arts skills. This course emphasizes the studying of various texts (both self-selected and assigned), analyzing author's craft, and composing a variety of written texts. Students read and write on a daily basis, engaging in activities that build on existing skills as they comprehend and analyze text, write in multiple modes, research for various purposes, and engage in meaningful discourse. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

SPECIAL PROGRAMS - MODIFIED MATHEMATICS

ALGEBRA I MODIFIED

*MAT1M

Grade Placement: 9

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment.

This course is the first high school math credit students need to earn for graduation. Algebra I is a foundational high school math course that builds on algebraic concepts students have been exposed to in 6th through 8th grade math courses. Algebra I addresses linear, quadratic and exponential functions from multiple representations (graph, table, equation, model, verbal description). Algebra I is a prerequisite for all future high school math courses. Students will be using a TI84 calculator in class. A similar handheld calculator, app, or online graphing calculator may be useful for work at home and all future high school math courses. At the end of the course, students will take the Algebra I EOC STAAR. Geometry is the next math course students will take. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

GEOMETRY MODIFIED

*MAT2M

Grade Placement: 10

Prerequisite: ARD Decision

Credit: 1

This course is the second high school math credit students need to earn for graduation. Geometry builds on geometric and algebraic concepts students were exposed to from kindergarten through Algebra I. Geometry is a visual math course that focuses on shapes and their properties. In addition, to the applications in construction, visual arts, technology and design, geometry helps students develop logical reasoning skills and precise mathematical language. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

FINANCIAL MATH MODIFIED

*BM16M

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

This course does not meet NCAA eligibility requirements.

This course meets the requirements for the advanced mathematics credit or can be taken as an elective. This course is about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics will integrate career and postsecondary education planning into financial decision making. Financial planning curriculum is used in this course. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

ALGEBRAIC REASONING MODIFIED

*MAT8M

Grade Placement: 12

Prerequisite: ARD Decision

Credit: 1

This course does not meet NCAA eligibility requirements.

This course meets state eligibility requirements for a year 3 or year 4 math course for graduation. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. This course will serve to strengthen student's algebraic skills. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

SPECIAL PROGRAMS - MODIFIED SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY (IPC) MODIFIED

***SCI3M**

Grade Placement: 9

Prerequisite: ARD Decision

Credit: 1

In this course, students will conduct field and laboratory investigations, use scientific methods during investigations and make informed decisions using critical-thinking and scientific problem-solving. This course covers the following topics: motion, waves, energy transformations, properties of matter, changes in matter and basic principles of chemistry. These topics are foundational before taking the subsequent math-dependent courses of chemistry and physics. This course is designed for students currently in Algebra I. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

BIOLOGY MODIFIED

***SCI1M**

Grade Placement: 10

Prerequisite: ARD Decision

Credit: 1

The state requires an EOC assessment at the end of this course.

In this course students will study living things. It provides the student with opportunities of acquiring basic skills, techniques and knowledge necessary to help understand today's biological issues. Areas of emphasis include microbiology, ecology, cell structure, molecular biology, genetics and a general survey of organisms from bacteria to plants and animals. This course is for those students who took IPC in 9th grade. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

AQUATIC SCIENCE MODIFIED

***SCAQM**

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

In this course students will study the interactions of biotic and abiotic components in aquatic environments, including impacts on aquatic systems. Students will conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking and problem solving skills. This course is designed for students not preparing to attend a 4-year university. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

EARTH AND SPACE SCIENCE MODIFIED

***SC10M**

Grade Placement: 12

Prerequisite: ARD Decision

Credit: 1

This course is a capstone science course that combines earth science, ocean science, atmospheric science, and space science in a single course. In one year, students learn the basics and special topics of geology, oceanography, meteorology, and planetary astronomy in a course that builds upon the knowledge they learned in their earlier science courses. This course is designed for students not preparing to attend a four-year university. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

SPECIAL PROGRAMS - MODIFIED SOCIAL STUDIES

WORLD GEOGRAPHY MODIFIED

*SSH1M

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This course examines physical and human geography of the world and the influence of geography on the past and present. A significant portion of the course centers around the physical processes; the characteristics of major landforms, climates, and ecosystems and their relationships; the political, economic and social processes that shape cultural patterns of regions, types of settlement; the distribution and movement of the world population; relationships among people, places and environments, and the concept of region. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

WORLD HISTORY STUDIES MODIFIED

*SSH3M

Grade Placement: 10-12

Prerequisite: ARD Decision

Credit: 1

This course includes a survey of the history and development of various cultures and civilizations. The student will understand traditional history points of reference in world history and how the present relates to the past through the study of people and their reaction to the social, economic, religious, political, and geographical aspects of their world. Students are encouraged to compare and contrast various civilizations and periods in view of these major themes. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

UNITED STATES STUDIES SINCE 1877 MODIFIED

*SSH4M

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment.

This course presents the historical development of the United States to help students comprehend its social, cultural, and political institutions. Students gain an understanding of traditional historical points of reference in U.S. history from 1877 to present as well as an understanding of the historical causes of problems that exist in contemporary society. Key events include foreign affairs from the Spanish-American War to the present and domestic issues from the turn of the century through contemporary times. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

UNITED STATES GOVERNMENT MODIFIED

*SSH5M

Grade Placement: 12

Prerequisite: ARD Decision

Credit: .5

This course focuses on the principles and beliefs upon which the United States was founded and on the structure, functions, and powers of governments at the national, state and local level. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

ECONOMICS WITH EMPHASIS ON FREE ENTERPRISE AND ITS BENEFITS MODIFIED

*SSH6M

Grade Placement: 12

Prerequisite: ARD Decision

Credit: .5

This course focuses on basic economic concepts, tools of analysis and the language of the discipline. Macroeconomic and microeconomic theories are introduced. This course uses modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

SPECIAL PROGRAMS - MODIFIED ELECTIVES

READING I, II, III MODIFIED

***ELA1M, *ELA2M, *ELA3M,**

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This course is designed to help students meet the expectations of the state standards and experience success in reading. Reading I, II, and III provides students with a wide range and quality of genres, increase text complexity to challenge and accelerate student reading, develop strong academic vocabulary, and increase student proficiency in writing informative, argumentative, and narrative essay. These courses use modified content to meet the individual learning requirements of the student. Some variation in course content/emphasis may occur based on the individual learning needs of the student.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS)

***MAP1M, *MAP2M, *MAP3M, *MAP4M**

Grade Placement: 9-10

Prerequisite: ARD Decision

Credit: 1

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. After identifying their individual learning styles and abilities, students will build on these abilities by developing critical time-management, organization and study skills. The course focuses on self-understanding, decision-making, resiliency, attitude, character education, and leadership to help students maximize personal achievement. Students will develop the specific strategies necessary to achieve their personal and professional goals. The course emphasizes proactive problem-solving, self-determination, and independent thinking and learning skills. In addition, students will explore and experience collaboration as a tool for creative problem solving.

MAKING CONNECTIONS I-IV

***MACO1, *MACO2, *MACO3, *MACO4**

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 0.5 (Students can only obtain .5 state credit for this course. All other credits are local credits.) Making Connections I and Making Connections II are corequisites. Making Connections III and Making Connections IV are corequisites.

The Making Connections course sequence serves students who have an autism spectrum disorder or a related disorder which causes them to have difficulty with social skills. This course assists the students in developing an understanding of autism and other related disorders.

GENERAL EMPLOYABILITY SKILLS I-III

***GEM1M, *GEM2M, *GEM3M**

Grade Placement: 10-12

Prerequisite: ARD Decision

Credit: 1 (Students can only obtain 1 state credit for this course. All other credits are local credits.)

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace.

COLLEGE TRANSITION

***COLTR**

Grade Placement: 11-12

Prerequisite: ARD Decision

Credit: 1

College Transition is designed to equip students with the knowledge, skills, and abilities necessary to be active and successful learners, both in high school and in college. Students examine numerous research-based learning strategies that are proven to lead to academic success such as goal setting, effective time management, handling stress, note taking, active reading, test-taking strategies, and conducting research. In the College Transition course, students will research financial scholarships and grant opportunities, complete applications, and explore technical schools, colleges, and universities. With the increased emphasis on career and college readiness and post-secondary education, this course will provide opportunities to meet these post-secondary opportunities.

CAREER PREPARATION I-II MODIFIED

***OTCP1, *OTCP2**

Grade Placement: 11-12

Prerequisite: ARD Decision

Credit: 1 per year

Provides opportunities for students to participate in a learning experience that combines classroom instruction with employment experiences and supports strong partnerships among, school business, and community stakeholders. The goal is to prepare students with a variety of skills for a workplace which include job specific skills applicable to their training station, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. This instructional arrangement/setting shall be used only after the school district's career and technology classes have been considered and determined inappropriate for the student.

SPECIAL PROGRAMS 4 YEAR PLAN: ALTERNATE CURRICULUM

Course/Subject	9th/Freshman	10th/Sophomore	11th/Junior	12th/Senior
Alternate English (4 credits)	English I Alternate	English II Alternate	English III Alternate	English IV Alternate
Alternate Mathematics (minimum 3 credits)	Algebra I Alternate	Geometry Alternate	Financial Math Alternate	Algebraic Reasoning Alternate
Alternate Science (minimum 3 credits)	Integrated Physics and Chemistry (IPC) Alternate	Biology Alternate	Aquatic Science Alternate	Earth and Space Alternate
Alternate Social Studies (minimum 3 credits)	World Geography Alternate	World History Studies Alternate	United States History Since 1877 Alternate	United States Government Alternate/Economics with Emphasis on Free Enterprise and its Benefits Alternate
Physical Education (1 credit)	Physical Education Courses, Athletics, Foundations of Personal Fitness I-IV Partner Program			
Languages Other Than English (LOTE) (minimum 2 credits)	2 Credits from the same language unless substituted <i>Alternate Elective Reading I-IV Alternate</i> per ARD Decision			
Fine Arts (1 credit)	Art I-IV Partner Program Theatre Arts I-IV Partner Program			
Electives (5 credits for Foundation High School Graduation Plan and 7 credits for Foundation High School Graduation Plan with Endorsement)	All students on an alternate curriculum have access to all general education electives. The level of support will be determined by the ARD.			
Alternate Electives (These electives are taught by a Special Education Teacher.)	Reading I-IV Alternate (9-12)			
	Methodology for Academic and Personal Success (MAPS) I and II (9-10)			
			General Employability I, II, and III (10-12)	
	Activities of Daily Living (ADL) I-IV (9-12)			
	Making Connections I-IV (9-12) <ul style="list-style-type: none"> • Making Connections I and Making Connections II are corequisites. • Making Connections III and Making Connections IV are corequisites. 			

SPECIAL PROGRAMS - ALTERNATE ENGLISH LANGUAGE ARTS

ENGLISH I ALTERNATE

*EL01A

Grade Placement: 9

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment

This course meets the individual learning requirements of students by focusing on prerequisite skills for the grade level English I TEKS. Emphasis will be on fundamental language skills: reading, writing, speaking, and listening. An emphasis on literacy and composition skills will be an on-going part of the program. The course includes studying various texts (both self-selected and assigned), analyzing author's craft and composing for a variety of purposes. The development of both critical reading and writing skills is a major emphasis of the course. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

ENGLISH II ALTERNATE

*EL02A

Grade Placement: 10

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment

This course meets the individual learning requirements of students by focusing on prerequisite skills for the grade level English II TEKS. An emphasis on literacy and composition skills will be an on-going part of the program. The course includes the studying of various texts (both self-selected and assigned), analyzing author's craft, and composing for a variety of purposes. Students read and write on a daily basis, engaging in activities that build on existing skills as they comprehend and analyze text. Students read and analyze various works, with emphasis on how stylistic choices and rhetorical elements shape tone in argumentative texts. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

ENGLISH III ALTERNATE

*EL03A

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level English III TEKS. Emphasizes the study of various texts (both self-selected and assigned), analyzing author's craft, and studying rhetorical forms: short stories, poetry, and novels. The development of critical reading and critical writing skills is central to the course. The students will compose a variety of written texts with a clear controlling idea, coherent organization, and sufficient detail. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

ENGLISH IV ALTERNATE

*EL04A

Grade Placement: 12

Prerequisite: ARD Decision

Credit: 1

Designed to meet the educational needs of the students based on the English IV TEKS while providing greater depth in language arts skills. Emphasizes the studying of various texts (both self-selected and assigned), analyzing author's craft, and composing a variety of written texts. Students read and write on a daily basis, engaging in activities that build on existing skills as they comprehend and analyze text, write in multiple modes, research for various purposes, listen, and speak. The development of both critical reading and writing skills is a major emphasis of the course. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

SPECIAL PROGRAMS – ALTERNATE MATHEMATICS

ALGEBRA I ALTERNATE

*MAT1A

Grade Placement: 9

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level Algebra I TEKS. Algebra I Alternate students build on earlier math experiences, deepening their understanding of relations and functions and expanding their repertoire of familiar linear and quadratic functions, among others. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

GEOMETRY ALTERNATE

*MAG2A

Grade Placement: 10

Prerequisite: ARD Decision

Credit: 1

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level Geometry TEKS. High school students will focus on shapes and their properties in addition to developing logical reasoning skills. Students generally choose Algebra II as the next math course. Financial Math or Algebraic Reasoning may be suitable choices if the student is not ready for Algebra II. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

FINANCIAL MATHEMATICS ALTERNATE

*MA03A

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1 (Math credit)

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level Financial Math TEKS. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. Financial Mathematics will integrate career and postsecondary education planning into financial decision making. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

ALGEBRAIC REASONING ALTERNATE

*MA08A

Grade Placement: 12

Prerequisite: ARD Decision

Credit: 1

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level Algebraic Reasoning TEKS. Algebraic Reasoning is designed to broaden their knowledge of functions and relationships and strengthen students' algebraic skills. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

SPECIAL PROGRAMS - ALTERNATE SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY (IPC) ALTERNATE

*SC02A

Grade Placement: 9

Prerequisite: ARD Decision

Credit: 1

This course uses alternate curriculum to meet the individual learning requirements of students. This course meets the requirements of students by focusing on prerequisite skills for the grade level of Integrated Physics and Chemistry (IPC) TEKS. In IPC, students use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. This course integrates the disciplines of physics and chemistry with the following topics: force, motion, energy, and matter. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

BIOLOGY ALTERNATE

*SC01A

Grade Placement: 10

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment.

This course meets the individual learning requirements of students by focusing on prerequisite skills for the grade level Biology TEKS. The course may cover cell structure and function of systems in organisms, scientific processes and basic concept of biochemistry, genetics, microbiology, taxonomy, botany, physiology, and zoology. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

AQUATIC SCIENCE ALTERNATE

*SCAQA

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

This course uses alternate curriculum to meet the individual learning requirements of students. This course meets the requirements of students by focusing on prerequisite skills for the grade level of Aquatic Science TEKS. Students will study the interactions of biotic and abiotic components in aquatic environments. Students will conduct investigations and observations of aquatic environments, work collaboratively with peers, and develop critical thinking problem solving skills. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

EARTH AND SPACE SCIENCE ALTERNATE

*SCI01

Grade Placement: 12

Prerequisite: ARD Decision

Credit: 1

This course uses alternate curriculum content to meet the individual learning requirements of students and combines earth science, ocean science, atmospheric science, and space science in a single course. This course meets the requirements of students by focusing on prerequisite skills for the grade level of Earth and Space Science TEKS. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

SPECIAL PROGRAMS - ALTERNATE SOCIAL STUDIES

WORLD GEOGRAPHY ALTERNATE

*SS01A

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level World Geography TEKS. This course involves study of the interaction of people and cultures with their physical environment in the world's major areas. This course will assist students in recognizing how understanding events in World Geography will influence our country and our people. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

WORLD HISTORY STUDIES ALTERNATE

*SS03A

Grade Placement: 10-12

Prerequisite: ARD Decision

Credit: 1

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level World History TEKS. The course focuses on historical development of human society from past to present times. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

UNITED STATES STUDIES SINCE 1877 ALTERNATE

*SS04A

Grade Placement: 11

Prerequisite: ARD Decision

Credit: 1

This course requires an EOC assessment.

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level U.S. History TEKS. The course focuses on U.S. History from Reconstruction to the present. Students review and evaluate major events and leaders in U.S. history. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

UNITED STATES GOVERNMENT ALTERNATE

*SS05A

Grade Placement: 12

Prerequisite: ARD Decision

Credit: .5

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level U.S. Government TEKS. Government courses will cover concepts such as voting, laws, and consequences of unlawful behavior, honesty, integrity, community volunteerism, rules, and regulations. Students are instructed on how to be productive and safe in a variety of community situations including employment. Students will become familiar with the basic concepts of personal responsibility related to employability and being a productive, contributing member of a business, community and/or organization. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

ECONOMICS WITH EMPHASIS ON FREE ENTERPRISE AND ITS BENEFITS ALTERNATE

*SS06A

Grade Placement: 12

Prerequisite: ARD Decision

Credit: .5

This course meets the individual learning requirements of students by focusing on recommended prerequisite skills for the grade level Economics TEKS. This course focuses on basic economic concepts, tools of analysis and the language of the discipline. Macroeconomic and microeconomic theories are introduced. Some variation in course content and emphasis will occur based on the individual learning needs of the students.

SPECIAL PROGRAMS – ALTERNATE ELECTIVES

FOUNDATIONS OF PERSONAL FITNESS I-IV PARTNER PROGRAM

*PED07

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This course is designed for students with special needs who will benefit more from an individualized and developmental program than from general physical education. A unique component of this program is the addition of peer teachers who are recruited from the general student population. The goal of the peer teachers is to provide an opportunity to teach exceptional learners in the physical education environment. Enthusiasm, determination and communication skills are a must.

ART I-IV PARTNER PROGRAM

*ARTA1, *ARTA2, *ARTA3, *ARTA4

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This comprehensive study stresses the elements and principles of art and their uses in two and three dimensional art. Various media and art forms are used to gain understanding of the basics. Some variation in course content/emphasis will occur based on the individual learning needs of the students.

THEATRE ARTS I-IV PARTNER PROGRAM

*THE05, *THE06, *THE07, *THE08

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This course is a creative play course designed for students with special needs who will benefit more from an individualized and developmental program than from general education theatre class. Activities are specifically tailored to improve and enhance motor skills, social skills, and self-confidence, while promoting positivity and encouraging inclusion. Some variation in course content/emphasis will occur based on the individual learning needs of the students.

READING I-IV ALTERNATE

*ELR1A, *ELR2A, *ELR3A, *ELR4A

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

Designed to help students meet the expectations of the new standards and experience success in reading, Reading IA, IIA, IIIA, IVA provides students with a wide range and quality of genres, increasing complexity of text to challenge and accelerate student reading, develop academic vocabulary. Some variation in course content/emphasis will occur based on the individual learning needs of the students.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS) I AND II

*MAP1A, *MAP2A

Grade Placement: 9-10

Prerequisite: ARD Decision

Credit: 1 (Students can only obtain 1 state credit for this course. All other credits are local credits.)

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals.

GENERAL EMPLOYABILITY SKILLS I, II, AND III

*GEM1M, *GEM2M, *GEM3M

Grade Placement: 10-12

Prerequisite: ARD Decision

Credit: 1 (Students can only obtain 1 state credit for this course. All other credits are local credits.)

This course provides students with knowledge of the prerequisite skills for general employment as well as the means of obtaining those skills. Employability skills include fundamentals of maintenance of personal appearance and grooming. The course also includes the knowledge, skills, and attitudes that allow employees to get along with their co-workers, make important work-related decisions, and become strong members of the work team. Discovering job possibilities that link skills, abilities, interests, values, needs, and work environment preferences is a part of the process of obtaining employability skills and abilities and is experiential learning that takes place over time. This course is designed to guide students in obtaining the knowledge and the needed employability skills that are transferable among a variety of jobs and careers and are considered essential in any employment situation. Students will learn and apply basic knowledge of what is expected in the workplace.

ACTIVITIES OF DAILY LIVING (ADL) I-IV

***OTHD1, *OTHD2, *OTHD3, *OTHD4**

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 1

This course is developed to integrate the domestic, recreation, leisure, school, and community domains. Students investigate through activity based sessions, a variety of activities associated with the daily living experience. Organizing a daily routine and schedule will serve the students in their process of taking charge of independent living. Students will study areas of cooking, safety, leisure, chores, duties, responsibilities, budget, time management, first-aid, and communication. Personal safety and responsibility will be examined in response for taking care of one's self, others, and/or pets. Health care, transportation, telephone skills, and appropriate recreation activities are addressed in the context of developing a full capacity living experience. Students will develop strategies to respond to potential emergencies that may appear in the process of daily living.

- **Activities for Daily Living 1:** Focus will be on the study of daily living experiences with emphasis on daily routines and schedules.
- **Activities for Daily Living 2:** Focus will be on the study of daily living experiences with emphasis on personal safety and responsibility.
- **Activities for Daily Living 3:** Focus will be on the study of daily living experiences with emphasis on independent living skills.
- **Activities for Daily Living 4:** Focus will be on the study of daily living experiences with emphasis on life choices, needs, and employment issues.

MAKING CONNECTIONS I-IV

***MACO1, *MACO2, *MACO3, *MACO4**

Grade Placement: 9-12

Prerequisite: ARD Decision

Credit: 0.5 (Students can only obtain .5 state credit for this course. All other credits are local credits.) Making Connections I and Making Connections II are corequisites. Making Connections III and Making Connections IV are corequisites.

The Making Connections course sequence serves students who have an autism spectrum disorder or a related disorder which causes them to have difficulty with social skills. This course assists the students in developing an understanding of autism and other related disorders.

COMMUNITY BASED VOCATIONAL INSTRUCTION I AND II

***CBVOC**

Grade Placement: 11-12, will require 2 class periods

Prerequisite: ARD Decision

Credit: 2 per year

In this instructional arrangement/setting students will practice employability skills at actual job sites in the local community. A wide range of sites will be used including, but not limited to: retail, service, volunteer, health related and clerical so as to provide the student with numerous opportunities to explore a variety of employment options. Students will be supervised directly by special education personnel without remuneration.

- Community Based Vocational Instruction (CBVI) I: Focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.
- Community Based Vocational Instruction (CBVI) II: Continued focus of instruction will be on individual responsibility on the job sites in the community with direct supervision by a certified teacher.

ADULT TRANSITION

ADULT, LIFE

Prerequisite: Completion of Foundation Graduation Plan; ARD Decision

Completed requirements under minimum graduation plan; documented educational need in the form of an Individualized Education Program (IEP) in the area of postsecondary goals and/or functional based goals as documented in their individual transition plan. The goal of the Rockwall ISD Secondary Transition Services program is to provide a seamless transition to life after high school by offering multiple opportunities to learn and use the skills necessary to function as independently as possible. Based on individual interests, strengths, and choices, each student will participate in community, recreational, employment, and independent living activities. These activities will continue into their adult life independent of educational services. Individualized supports for a successful transition to adult life are provided in the area of employment, recreation/activities, and independent living. Each young adult's daily schedule is based upon their postsecondary goals and corresponding performance expectations, and Individualized Education Program goals and objectives developed with collaboration of the student, his/her parents, teachers, and identified adult agencies. Transition Services Programming is offered at on-campus locations and off-campus locations. In addition to completing the minimum credit requirements, the student will graduate and be awarded a regular high school diploma when they have successfully completed their IEP consistent with one of the following conditions:

- The student has maintained full time employment based on the student's abilities and local employment opportunities, in addition to sufficient self-help skills to enable the student to maintain the employment without direct and ongoing educational support of the local school district.
- The student has demonstrated mastery of specific employability skills and self-help skills, which do not require direct ongoing educational support of the local school district.
- The student has gained access to services, which are not within the legal responsibility of public education, or employment or educational options for which the student has been prepared by the academic program.

It is the policy of Rockwall ISD not to discriminate on the basis of race, color, national origin, sex, age or handicap in its vocational programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975; as amended and Section 504 of the Rehabilitation Act of 1973, as amended. Rockwall ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and Career & Technical Education programs.

Es la norma de Rockwall ISD de no discriminar en base a la raza, color, origen nacional, sexo, discapacidad en sus programas vocacionales, en los servicios, ni en las actividades como lo requiere la enmienda de Título VI del Acta Civil de Derechos de 1964; el Título IX de las Enmiendas de la Educación de 1972; y la Sección 504 del Acta de Rehabilitación de 1973. Rockwall ISD tomará los pasos necesarios para asegurar que la falta de habilidades en el idioma inglés no será una barrera para la admisión y participación en todos los programas educativos y de carrera & educación técnica

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