High School
Academic Planning Guide
2026 - 2027

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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 postsecondary educational opportunities. These opportunities include two-year 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 9th Grade Campus	469-698-2955
Rockwall-Heath High School	469-698-2670
Rockwall-Heath 9th Grade Campus	469-698-2915
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.

General Information

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.

Ranking of Students

Please refer to Rockwall ISD EIC (LOCAL) policy.

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)

Freshmen and Sophomores are not eligible for release periods. Juniors qualify for one release period if they are enrolled full-time, on track with credits, and must be current with at least three EOCs. To qualify for a second release period, juniors must also be on track to earn CCMR by the end of junior year. Seniors qualify for one release period if they are enrolled full-time, on track with credits, and met all requirements for EOCs. To qualify for a second release period, seniors must also be on track to earn CCMR. Seniors qualify for a third release period if they are also enrolled in at least three advanced academic courses and have earned CCMR. Please refer to the CCMR chart on page 9.

All students must have daily access to transportation. Students are not permitted to have a release period and remain on the campus. Students with a history of extensive tardies and absences may not qualify.

Exclusions for Class Rank

The calculation of class rank shall exclude grades earned in credit recovery course; traditional correspondence course; distance learning course; local credit course; night school courses; a private or commercially sponsored physical activity program; or through credit by examination, with or without prior instruction per EIC (LOCAL). The class rank calculation shall not include semester grades from a course that is retaken after a passing grade has been earned, and the new grade shall not be recorded on the transcript.

Student Athletes

In order to participate on an athletic team, student athletes must be enrolled in the corresponding athletic course.

If you are planning to participate in college athletics, it is your responsibility to register and be certified by the National Collegiate Athletic Association Eligibility Center (NCAA) for Division 1, 2, and 3 the National Association of Intercollegiate Athletics (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.

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.

College Visits

Juniors and Seniors are allowed two college visits per year. These absences are considered excused absences with the completed college visit form once the completed form is turned into the attendance office. College visits allow students dedicated time to see the campus and explore whether or not the school is a good fit. Approved visits include 4-year universities, trade schools, and community colleges. Students should plan ahead and contact the admissions office to set up a personal interview, tour, and/or meeting with an admissions advisor.

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 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, refer to policy EHDC (Legal).

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 non-accredited 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 at the conclusion 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 will not be approved for early graduation unless they have met their College, Career, or Military Readiness (CCMR) criteria. Students meeting graduation requirements before the scheduled graduation ceremonies may participate in the ceremonies.

Honors Courses

Honors 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 on-level classes. Honors 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 honors 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 honors 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. Detailed information for the Rockwall ISD IB Programme can be found in the Rockwall ISD IB Handbook.

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. In addition, the AP Capstone Diploma Program consists of two year-long Advanced Placement (AP) courses: AP Seminar and AP Research. To earn the AP Capstone Diploma, students must score 3 or higher in both AP Seminar and AP Research, as well as on four additional AP exams of their choice. This accomplishment is recognized on any AP score report sent to colleges once the diploma is awarded. For more information on the AP Capstone Diploma Program, please visit this link.

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 the 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 the student code of conduct. Students need to be aware of drop and withdrawal policies for the higher education institution.

Rockwall ISD recommends for students to be successful in dual credit courses they should meet Texas Success Initiative Assessment (TSIA) benchmarks as listed with the College Career and Military Readiness; refer to the dual credit program page for further 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 hard stop deadline 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)

University of Texas at Austin (UT-Austin) OnRamps provides students with a dual-enrollment model as a means of attaining college credit 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. There is a course fee associated with taking each OnRamps course that is set annually by UT-Austin. Qualified students may receive course fee discounts or fee waivers. More information about the OnRamps program can be found at onramps.utexas.edu.

National Merit Scholarship Program

About the Program

Of the nearly 1.3 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 in their junior year are automatically entered into the National Merit Scholarship Program. 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.

Commended Students

Junior PSAT test takers scoring in the top 34,000 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 scholarships sponsored by corporations and private businesses.

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.

Finalists

In the spring semester 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 is available at the National Merit Scholarship Program website.

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 and test-taking strategies are also offered. Placement in a dyslexia class is dependent on the decision of the campus 504 Committee or Admission, Review and Dismissal (ARD) Committee. Parental permission is required for participation.

Special Education Programs

Placement in any special education course is dependent on eligibility and the decision and placement of the 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. Placement in dyslexia class is dependent on the campus 504 Committee or Admission, Review, and Dismissal (ARD).

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 persons who are knowledgeable about the child, the meaning of the evaluation data, 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.

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. Once the school year begins, if a student is missing a class required for graduation, is scheduled into a class in which you have already earned credit, or would like to change the level of rigor (ex. Advanced to on level), a schedule change request may be made to the student's assigned counselor within the first week of school, only if there are seats available in the new course.

Required Courses for Graduation:
Students are not permitted to drop required courses necessary for graduation.

Elective Courses:
Students are not permitted to drop an elective course once the school year begins.

Advanced Academics Course Changes (Honors, 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 drop procedure (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. Students who drop an IB course after November 1 will forfeit all IB assessment fees. OnRamps fees will not be refunded.

Timing of Advanced Academics Level Changes (Honors, AP, IB, and OnRamps)
In Rockwall ISD, Advanced Academic course changes are made during the first week, only if there are seats available in the new course, or 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 at the designated deadline. Students' grades earned in the advanced class will transfer with the student.

Designated Advanced Academics Level Changes – with proper approvals
First Week of Fall Semester
End of First Six Weeks of Fall Semester
First Week of Spring Semester

Dual Credit Collin College Courses:
Schedule changes must be made before the hard stop deadline 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 that any change in courses may affect the student's entire class schedule.

College, Career, & Military Readiness

College, Career, and Military Readiness (CCMR) is how Rockwall ISD is preparing students for their future. There are many paths of success and we want to ensure we are meeting the unique needs of our students. During high school a student should meet at least one of the following CCMR indicators to show post-secondary readiness.

Test Requirements for Both College and Career Readiness Must have college ready scores for one test or a combination of tests and/or college prep courses			
TSIA2*	**SAT**	**ACT**	
ELAR – 945	Reading & Writing – 480	Through February 14, 2023	On & After February 15, 2023
Essay – 5	Math – 530	English – 19	English & Reading - combined score 40
Math – 950		Math – 19	
		Composite – 23	Math - 22
Minimum scores to be considered college-ready for the Texas Higher Education Coordinating Board (THECB) *Students who do not meet college-ready on the TSIA2 may be considered college-ready with diagnostic scores: ELAR: 5, MATH: 6			

College Readiness			
College Prep	**Dual Credit**	**Advanced Placement (AP)/ International Baccalaureate (IB)**	**OnRamps**
College Prep English and College Prep Math Or Texas College Bridge	3 credit hours in English or Math or 9 credit hours in any other course	Score 3+ on AP exam Score 4+ on IB exam	Qualify for college credit in an OnRamps course

Career Readiness		
Industry-Based Certification (IBC)	**Special Education**	**Military**
Complete a CTE Program of Study and earn a certification	Graduate with an advanced degree plan (endorsement) or Graduate with an IEP and workforce-readiness	Complete a DD4 form showing enlistment in the US Armed Forces

Four-Year College & Career Readiness Plan

9th Grade Checklist Freshman year, you will want to find out all of the things your school has to offer, become involved in activities, create your goals, and get off to the right start. We are here to help.	
Fall	**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. **Make the grade** Get off to a good start with your grades because they will impact your grade point average (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.
Winter	**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. **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.
Spring/Summer	**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. **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. You may even want to start a list of colleges that might interest you. **College, Career, and Military Readiness (CCMR)** Check with the counselor that earning CCMR is a part of your four-year plan. **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.

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	**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. **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. **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. **Continue exploring potential careers** Explore your college options in more detail—research possible careers to learn about the tasks, education, and training necessary for each occupation.
Winter	**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. **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. **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.
Spring/Summer	**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. **Start your college search** Use our college search tools to decide which 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. **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. **College, Career, and Military Readiness (CCMR)** Check with the counselor that earning CCMR is a part of your four-year plan. **Get a summer job** Finding steady summer work will look good to prospective colleges and employers. Saving the money you earn for college will also help you get a head start on financial planning for postsecondary goals. **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.

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	**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 as strong as you hoped, it is never too late to improve. Colleges like to see an upward trend on your course grades. **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 in the spring of their junior year. **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. **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. **Continue gathering college information** Attend the Rockwall ISD College Night and speak with college and career representatives. Use the online college finder to search top college lists. You may be able to narrow your choices or add a school to your list. **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. **College, Career, and Military Readiness (CCMR)** Check with the counselor to make sure you have earned a CCMR or on track to earn by the end of junior year.
Winter	**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. **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. **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 or SAT. 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. **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.
Spring	**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. **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 begin your application. Juniors can have up to two excused absences for college visits. **College, Career, and Military Readiness (CCMR)** Check with counselor to make sure you have earned a CCMR or on track to earn by the end of senior year.
Summer	**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. **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. **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. **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.

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	**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. Seniors can have up to two excused absences for college visits. **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. **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. **Submit financial aid forms** No matter your family's income level, the FAFSA/TASFA is your main priority for financial aid purposes as it will determine how much you are expected to pay toward your college expenses. The FAFSA/TASFA form is required per House Bill 3 to meet graduation requirements. Students who wish to submit an opt-out form need to see their high school counselor. More information can be found at College for All Texans. **Take standardized tests** Register for and take the ACT or SAT. Be sure you have requested your test scores be sent to the colleges of your choice. **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. **Ask for letters of recommendation** Give letter of recommendation forms to the teachers you have chosen, along with stamped, addressed envelopes (if needed) 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. Be sure to write a thank you note to each individual who recommended you. **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 submit them on time. **College, Career, and Military Readiness (CCMR)** Check with the counselor to make sure you have earned a CCMR or on track to earn by the end of senior year. **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. **Transcripts:** Official transcripts must be requested using the following links for Parchment: Rockwall High School Parchment Rockwall-Heath High School Parchment
Winter	**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. Ask colleges about available scholarships. Please refer to the Rockwall ISD Local Scholarship deadline criteria. **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.
Spring	**Watch your mail and email for notifications 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. **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. **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. **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.

Postsecondary Preparation Exams in Rockwall ISD

Rockwall ISD provides students with the opportunity to take a variety of postsecondary readiness examinations. These exams can provide students with opportunities for National Merit and College Board scholarships and recognitions, demonstrate their readiness to do college-level work, and improve their chances of getting into the college of their choice or prepare for a career in the United States Armed Forces.

Grade 9
PSAT (October – for Advanced Math Pathway or SAGE English I students only)

Grade 10
PSAT (October)
TSIA2.0 (Texas Success Initiative Assessment)

Grade 11
PSAT (October)
SAT School Day (March)
TSIA2.0 (Texas Success Initiative Assessment)

Grade 12
ASVAB (Armed Forces Vocational Aptitude Battery)
TSIA2.0 (Texas Success Initiative Assessment)

PSAT: Rockwall ISD provides Rockwall ISD sophomores and juniors the opportunity to take the PSAT at their home campus during the school day at no charge to the students. Taking the PSAT encourages students to start thinking seriously about life after high school, about their preferred college and career goals, and about the post-high school education students will need to reach those goals. The PSAT has been designed to mirror the SAT and provides students with a detailed score report to show individual strengths and weaknesses pertaining to college readiness. Juniors taking the PSAT can qualify for National Merit Scholarships, as well as other college scholarships.

SAT School Day: The SAT is a standardized assessment that allows students to demonstrate their readiness for college-level academics. The SAT School Day is an opportunity for all juniors to take the SAT at no charge to the student, preventing cost or travel from being an issue to student success on the SAT.

ASVAB Career Exploration Program: The Armed Services Vocational Aptitude Battery is a multiple-aptitude exam that measures developed abilities and helps predict future occupational success in different vocational areas. The ASVAB Career Exploration Program provides an interest assessment and planning tool to help students explore career field entry requirements and various career paths. The exam includes traditional, school-based sections, such as reading, writing, science, and mathematics, while also including technical sections covering electronics and mechanics. The Department of Defense has revamped the ASVAB to become one of the only career planning resources that allows students to explore all paths to careers - college, certifications, apprenticeships, licensure programs, and the military – in one place. The results from the test will recommend both civilian and military jobs to students in accordance with their aptitude profile. For any students desiring to enlist in the United States Armed Forces following graduation, ASVAB results are used as a factor in enlistment signing bonuses and recruitment for specialized fields within the armed forces. Students must be at least 16 years old to take the ASVAB.

TSIA2.0: The Texas Success Initiative Assessment 2.0 is a placement assessment for skills in reading, writing, and mathematics. The TSIA2.0 is offered by two-year colleges and some four-year colleges for students who do not have qualifying SAT or ACT scores.

Rockwall ISD Graduation Plan
Class of 2030

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

	Foundation High School Program with Endorsement or Distinguished Achievement with Endorsement (26 credits)	**Foundation High School Program (22 credits)** *(may only be selected at the conclusion of the 10th grade year and with administrator approval)*
English Language Arts	**4 Credits** • English I • English II • English III • Advanced English course *(If college and career readiness is not demonstrated, a college preparatory English course may be assigned)*	**4 Credits** • English I • English II • English III • Advanced English course
Mathematics	**4 Credits** • Algebra I • Geometry • Algebra II* • Advanced math course *(If college and career readiness is not demonstrated, a college preparatory math course may be assigned)*	**3 Credits** • Algebra I • Geometry • Algebra II (recommended)
Science	**4 Credits** • Biology • Chemistry or Physics • Two additional science courses (*Chemistry and/or Physics required for some Programs of Study*)	**3 Credits** • Biology • Chemistry, Physics, or IPC • Additional science course
Social Studies	**3 Credits** • World Geography and/or World History • US History • Government/Personal Financial Literacy (.5 credit each) *Rockwall ISD recommends 4 Social Studies credits to ensure college readiness*	**3 Credits** • World Geography and/or World History • US History • Government/Personal Financial Literacy (.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** *(Includes the credit requirements of the student's declared endorsement)*	**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.

Algebra II is required for Distinguished Achievement and for some endorsements.

Rockwall ISD Graduation Plan
Class of 2026 - 2029

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

	Foundation High School Program with Endorsement or Distinguished Achievement with Endorsement (26 credits)	**Foundation High School Program (22 credits)** *(may only be selected at the conclusion of the 10th grade year and with administrator approval)*
English Language Arts	**4 Credits** • English I • English II • English III • Advanced English course *(If college and career readiness is not demonstrated, a college preparatory English course may be assigned)*	**4 Credits** • English I • English II • English III • Advanced English course
Mathematics	**4 Credits** • Algebra I • Geometry • Algebra II* • Advanced math course *(If college and career readiness is not demonstrated, a college preparatory math course may be assigned)*	**3 Credits** • Algebra I • Geometry • Algebra II (recommended)
Science	**4 Credits** • Biology • Chemistry or Physics* • Two additional science courses (*Chemistry and/or Physics required for some Programs of Study*)	**3 Credits** • Biology • Integrated Physics and Chemistry (IPC)* • Additional science course
Social Studies	**3 Credits** • World Geography and/or World History • US History • Government/Economics (.5 credit each) *Rockwall ISD recommends 4 Social Studies credits to ensure college readiness*	**3 Credits** • 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** *(Includes the credit requirements of the student's declared endorsement)*	**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.

Algebra II is required for Distinguished Achievement and for some endorsements.

**Required or an approved substitute course*

Rockwall ISD Endorsements

Rockwall ISD offers all five Texas Education Agency approved endorsements for our students. Students may choose to earn more than one endorsement. Please read through the information below when planning your student's endorsements.

Arts & Humanities

The Arts and Humanities endorsement offers students an opportunity to study ancient and modern literature, history, language and culture.

Students can earn this endorsement by doing one of the following:

Social Studies:
Students earn five credits

Foreign Language:
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

Fine Arts:
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

Business & Industry

The Business and Industry endorsement incorporates a large number of career paths.

AAVTC:
Animation
Commercial Photography
Fashion Design
Graphic Design
Video Game Design
Audio/Video Production

Agricultural, Food, and Natural Resources:
Agricultural Technology and Mechanical Systems
Floral Design
Veterinary Medicine/ Animal Science

Architecture and Construction:
Architecture
HVAC

Business, Marketing, and Financial Services:
Accounting and Finance
Business Management
Marketing Sales & Entrepreneurship
Real Estate

Engineering:
Engineering Foundations
Drone (Unmanned Vehicle)

Hospitality and Tourism:
Culinary Arts

Information Technology:
Cybersecurity
Programming and Software Development

Manufacturing:
Robotics & Automation Technology
Welding Technology

Transportation, Distribution, and Logistics:
Automotive Technology

Multidisciplinary

Students may earn a Multidisciplinary endorsement by completing requirements from among the following options:

Four by Four (4x4):
Students take four courses in each of the four content areas:
Four English credits to include English IV
Four math credits
Four science credits to include Biology, Chemistry, and/or Physics
Four social studies credits

Advanced Courses:
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

Career & Technical Education:
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

Public Service

The Public Service endorsement offers courses directly related to the public services field.

Education & Training:
Teaching and Training

Health Science:
Emergency Medical Technician (EMT)
Pharmacy Technician
Medical Internship
Dental Assistant
Patient Care Technician

JROTC

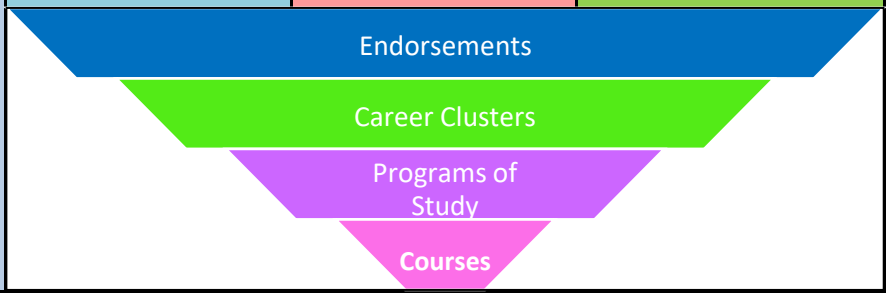
Law and Public Service:
Law Enforcement
Legal Studies

STEM

The STEM endorsement offers courses related to science, technology, engineering and advanced math.

Math:
Students take Algebra I, Geometry, Algebra II and two of the following courses for which Algebra II is a pre-requisite:
Extended Algebra Concepts
Precalculus
Precalculus Pre-AP
AP Calculus AB or BC
College Statistics
IB Math

Science:
Students take Biology, Chemistry, Physics (or Applied Physics), and two of the following courses:
Aquatic Science
Earth and Space Science
AP Science courses
IB Science courses
CTE courses which confer science credit



To earn an endorsement in STEM a student must complete Algebra II, Chemistry, and Physics, along with additional math and science courses. To earn an endorsement in Business & Industry or Public Service, a student must be a completer within one Program of Study. A completer is a student who completes, passes, and receives credit for three or more CTE courses for at least four or more credits in the same Program of Study. Course selection must include at least one course listed in the third or fourth sequence of courses.

College Credit in High School

Students have the opportunity to earn college credit while in high school through different types of college-level courses across all disciplines. Students will need to meet the course prerequisites and college admission requirements if necessary. It is important to check with the college(s) the student is planning to attend to make sure courses will transfer and be applied to their degree plan.

Career and Technical Education (CTE) courses that earn college credit are listed on pages 67-73.

English	IB English: Literature HL
	IB English Language and Literature HL
	AP English III
	AP English IV
	AP Seminar
	AP Research
	Dual Credit English 1301/1302
	Dual Credit English 2332/2333

Mathematics	IB Mathematics: Applications and Interpretation HL
	IB Mathematics: Analysis and Approaches HL
	OnRamps Algebra II (College Algebra)
	OnRamps Statistics
	OnRamps Precalculus
	AP Calculus AB
	AP Calculus BC
	AP Statistics
	Dual Credit College Algebra/Dual Credit Elementary Statistics
	Dual Credit Calculus III/Differential Equations

Science	IB Biology SL
	IB Physics SL
	IB Environmental Systems & Societies SL
	OnRamps Geoscience
	AP Chemistry
	AP Biology
	AP Physics 1
	AP Physics 2
	AP Physics C: Mechanics
	AP Physics C: Electricity and Magnetism
	AP Environmental Science

Social Studies	IB Philosophy SL
	IB History HL
	AP Human Geography
	AP World History: Modern
	AP US History
	AP European History
	AP Government/AP Macroeconomics
	AP Psychology
	Dual Credit US History 1301/1302
	Dual Credit Principles of Macroeconomics /Dual Credit Government

Fine Arts	IB Film SL
	IB Visual Arts SL or HL
	IB Music SL
	AP Music Theory
	AP Drawing
	AP Art History
	AP Art 2-D Design
	AP Art 3-D Design

Language Other than English (LOTE)	IB French B SL
	IB Spanish B SL
	AP Spanish 4
	AP Spanish 5
	AP French 4
	AP Computer Science Principles
	AP Computer Science A

Advanced Academics Program Comparison Side-By-Side

	Advanced Placement (AP)	International Baccalaureate (IB)	Dual Enrollment (UT OnRamps)	Dual Credit
Description	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. There is an AP exam fee associated with each AP course, due in the first nine weeks of the academic year.	The International Baccalaureate Organization allows students to take college-level courses and internal and external assessments (exams) to potentially earn college credit and earn a separate IB Diploma. There is an IB exam fee associated with each IB course, due in the first nine weeks of the academic year.	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. There is a course fee associated with each OnRamps course, due in the first nine weeks of the academic year. OnRamps uses Canvas, a digital learning platform and there are no associated textbook fees with these courses.	Dual credit courses for core and some CTE subjects are offered through a partnership with Collin College. Students earn high school credit along with college credit while participating in the dual credit program. Students pay college tuition; in-county tuition rates for Collin College of $65/credit hour, plus $23/credit hour textbook fee and $2 Student Activity Fee; payable to the college upon registration.
College Credit	College credit is granted if a student passes the AP exam associated with every AP course. Individual colleges and universities, not College Board or the AP Program, grant course credit and placement. Requires a score of 3 (out of 1-5) or higher on each AP Exam. See individual college/university for their specific policy.	College credit is granted when a student passes the IB exams. Individual colleges and universities, not The International Baccalaureate Organization, grant course credit and placement. Public Texas universities are, by law, required to award 24 credit hours for an IB diploma. Credits are accepted internationally. Requires a score of 4 (out of 1-7) or higher. See individual college/university for their policy.	Students receive weighted high school credit when they successfully complete the course. Students also receive college credit if they qualify for and pass the college portion of the course (UT-Austin). Earned credit is guaranteed to be accepted for credit at any public university in Texas. See individual college/university for their specific credit policy.	College credit is granted based off of the grade earned by the student through the participating college institution. College credit is shown on the college transcript. Students abide by all college drop and withdrawal deadlines. All grades posted by the college will be on the college transcript and high school transcript. Earned credit is guaranteed to be accepted for credit at any public university in Texas.
Teacher and/or Instructors	Courses are taught by high school teachers trained by College Board.	Courses are taught by high school teachers trained by The International Baccalaureate Organization.	Courses are taught by high school teachers trained by University of Texas professors.	Courses are taught by college professors employed by the participating college institution.

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 Honors SAGE English 7 Honors English 8 Honors SAGE English 8 Honors	**Science** Science 7 Honors (compacted) SAGE Science 7 Honors (compacted) SAGE Science 8 (IPC Honors)
Mathematics Math 7 Honors Algebra I Honors	**Social Studies** Texas History Honors US History 8 Honors

High School Waivable Courses

Honors Courses: All
Advanced Placement Courses: All
The International Baccalaureate Programme Courses: All
The University of Texas OnRamps Courses: All
Dual Credit: Any dual credit course in English, mathematics, science, social studies, economics, or a language other than English

Weighted 5.0 Grade Point System

Grade	AP/IB	Honors/ Dual Credit	Regular
100	6.0	5.5	5.0
99	5.9	5.4	4.9
98	5.8	5.3	4.8
97	5.7	5.2	4.7
96	5.6	5.1	4.6
95	5.5	5.0	4.5
94	5.4	4.9	4.4
93	5.3	4.8	4.3
92	5.2	4.7	4.2
91	5.1	4.6	4.1
90	5.0	4.5	4.0
89	4.9	4.4	3.9
88	4.8	4.3	3.8
87	4.7	4.2	3.7
86	4.6	4.1	3.6
85	4.5	4.0	3.5
84	4.4	3.9	3.4
83	4.3	3.8	3.3
82	4.2	3.7	3.2
81	4.1	3.6	3.1
80	4.0	3.5	3.0
79	3.9	3.4	2.9
78	3.8	3.3	2.8
77	3.7	3.2	2.7
76	3.6	3.1	2.6
75	3.5	3.0	2.5
74	3.4	2.9	2.4
73	3.3	2.8	2.3
72	3.2	2.7	2.2
71	3.1	2.6	2.1
70	3.0	2.5	2.0
Below 70	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. College credit can be earned in AP and IB courses with a passing test score.

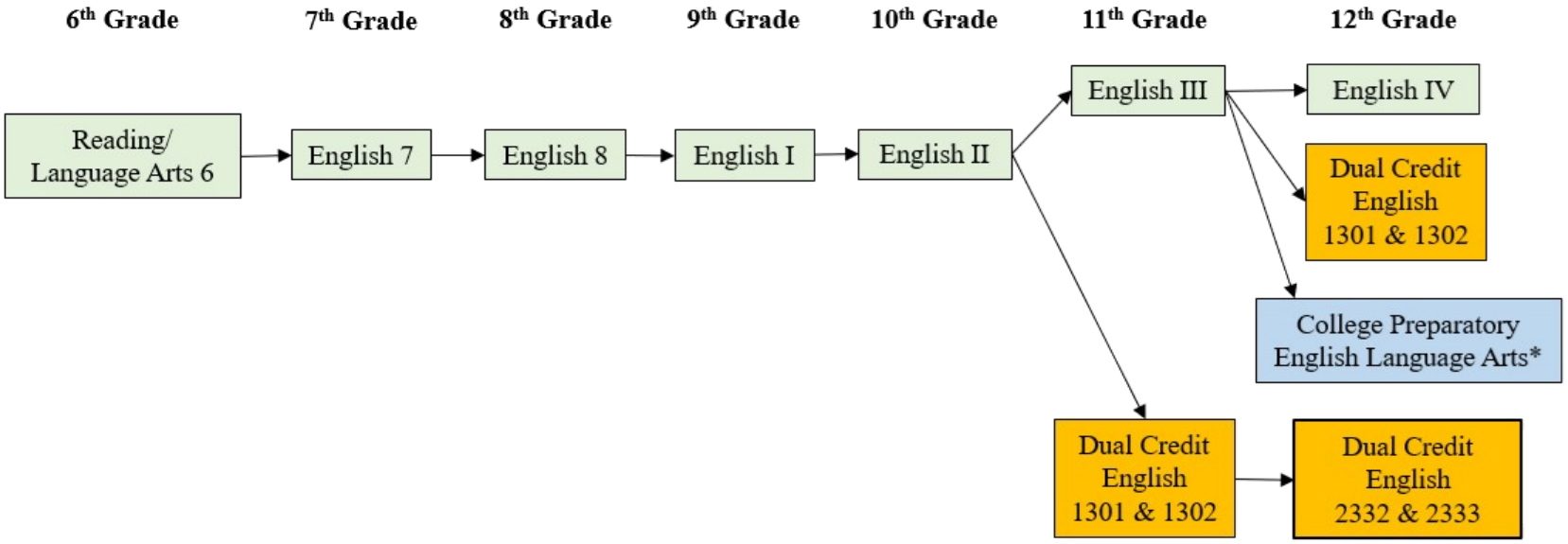
Dual Credit/Dual Enrollment/Honors: Courses in which the state-mandated curriculum is extended and enriched, resulting in an academically rigorous curriculum. College Credit can be earned in dual credit and OnRamps courses. A grade of 60-69 in a dual credit course shall receive high school credit, and the grade shall be converted to a 70 for purposes of calculating class rank per EIC (LOCAL).

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

Grading Scale: A=90-100, B=80-89, C=70-79, 69 and below= no credit awarded

English			
Course Name	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation** **(courses in bold are state-required prerequisites)**
English I	1	9	None
English I Honors	1	9	Receives Meets or Masters on 8th Grade STAAR
English 1 SAGE Honors	1	9	Identified as gifted and talented in the area of language arts/social studies; SAGE English in Grade 8
English II	1	10	English I
English II Honors	1	10	Receives Meets or Masters on previous STAAR EOC, English I, or English I Honors
English II SAGE Honors	1	10	Identified as gifted and talented in the area of language arts/social studies; Recommended Preparation: English I SAGE Honors
English III	1	11	English II
AP English III	1	11	Receives Meets or Masters on previous STAAR EOC, English II, or English II Honors
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 HL	2	11 and 12	**Eng. II, IB course enrollment with teacher recommendation**
IB English: Language and Literature HL	2	11 and 12	**IB Diploma Candidate or IB course enrollment with teacher recommendation**
ENGL 1301 Composition I (Dual Credit)	.5	11 or 12	Meet college readiness criteria
ENGL 1302 Composition II (Dual Credit)	.5	11 or 12	**ENGL 1301**
ENGL 2332 World Literature I (Dual Credit)	.5	12	**ENGL 1301 and ENGL 1302**
ENGL 2333 World Literature II (Dual Credit)	.5	12	**ENGL 2332**
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, ARD, Teacher Recommendation
Reading I-III	1	9-12	LPAC, 504 MTSS, ARD, Teacher Recommendation
Reading Lab I-III	1	9-12	Dyslexia identification and instructional services indicated in IEP or 504 plan
College Readiness and Study Skills	.5	9-12	LPAC, 504 MTSS, Teacher Recommendation
Study Skills and Reading Applications for English Language Learners	.5 Local	9-12	LPAC Recommendation
English Language Development and Acquisition (ELDA)	1	9-12	English I – Speakers of Other Languages or English II - Speakers of Other Languages
Creative/Imaginative Writing	1	10-12	None
Research and Technical Writing	1	11-12	LPAC, 504 MTSS, Teacher Recommendation
AP Seminar	1	10-12	English I
AP Research	1	11-12	AP Seminar
College Preparatory – English Language Arts and Reading*	1	12	Counselor Placement

6 – 12 English Language Arts
Grade Level Pathway

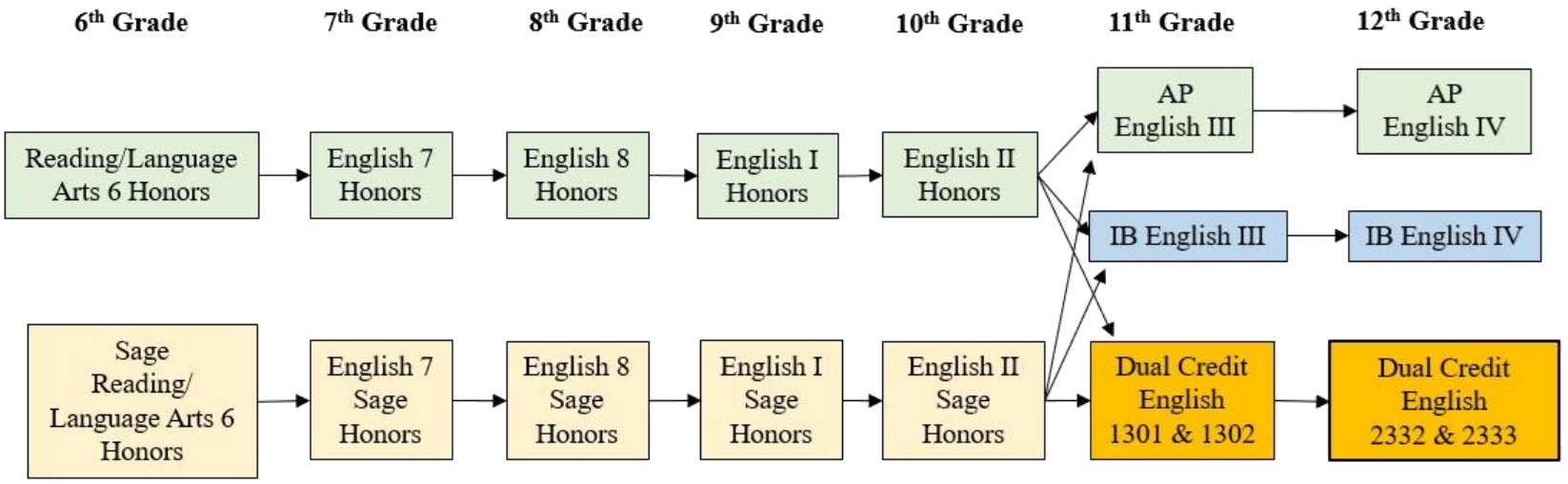


Legend:

Recommended grade level ELAR course sequence	Dual Credit	College Preparatory

According to Texas Administrative Code 74.12, students must demonstrate proficiency in English I, II, III, and IV. A comparable advanced English course may count for English III and IV.
**Designated for students who have not demonstrated college readiness in English Language Arts.*

6 – 12 English Language Arts
Advanced Academics Pathway



Legend:

Honors/AP Course	Sage Course
Dual Credit	IB Course

According to Texas Administrative Code 74.12, students must demonstrate proficiency in English I, II, III, and IV. A comparable advanced English course may count for English III and IV.

ENGLISH

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, with emphasis on fundamental language skills: reading, writing, speaking, and listening. A focus on critical 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 the author's craft, and composing for a variety of purposes. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGLISH I HONORS
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 advanced English courses, as well as postsecondary success. Students will read and analyze a variety of challenging texts, both classic and contemporary, fiction and nonfiction. Through both self-selected and assigned readings, students will complete various complex writing tasks in informational, argumentation, and literary analysis. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGLISH I SAGE HONORS
ELA1SG
Grade Placement: 9
Prerequisite: Identified as gifted and talented in the area of language arts/social studies
Credit: 1
The state requires an EOC assessment at the end of this course.
This course is designed to meet the educational needs of students identified as gifted and talented in the area of language arts by providing greater depth through the study of reading, writing, research and inquiry, listening, and speaking to foster critical thinking. Students will study a variety of texts, both self-selected and assigned, to enrich and develop analysis skills. Writing critically as well as creatively continues to be developed, as well as the study of the craft of writing for a variety of purposes. Critical thinking skills will be emphasized to prepare students for future advanced English courses. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

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 ongoing part of the program. The course includes the study of various texts (both self-selected and assigned), analyzing the 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 satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGLISH II HONORS
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 advanced English courses, as well as postsecondary 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. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGLISH II SAGE HONORS
ELA2SG
Grade Placement: 10
Prerequisite: Identified as gifted and talented in the area of language arts/social studies
Credit: 1
The state requires an EOC assessment at the end of this course.
This course is designed to meet the educational needs of students identified as gifted and talented in the area of language arts by providing greater depth through the study of reading, writing, research and inquiry, listening, and speaking to foster critical thinking. Students will study a variety of texts, both self-selected and assigned, to enrich and develop analysis skills. Writing critically as well as creatively continues to be developed, as well as the study of the craft of writing for a variety of purposes. Critical thinking skills will be emphasized to prepare students for future advanced English courses. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

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. Students will take the TSIA during this course. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

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. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

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 the 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 satisfies Texas Administrative Code §74.11 requirements for speech instruction.

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 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. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

IB ENGLISH: LITERATURE HL
ELA03I, ELA04I
Grade Placement: 11 AND 12
Prerequisite: English II, IB course enrollment with teacher recommendation
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 Reading List (PRL) or elsewhere. The PRL is a wide-ranging list of works, from a variety of languages, allowing teachers to select works that deepen students' understanding of literature and how it can shape the human experience. The authors on the list are appropriate for students aged 16 to 19. There is a fee associated with this course. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

IB ENGLISH: LANGUAGE AND LITERATURE HIGHER LEVEL
ELA05I (YR 1) and ELA06I (YR 2)
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: English II
Credit: 2
Note: This course is taken over a two-year period. Students are required to take the appropriate IB assessments.
The IB Diploma Programme Language & Literature course combines the formal analysis of both literary and non-literary texts with an exploration of how cultural context shapes meaning. Students will study texts in a variety of media and forms. The curriculum develops students' textual analysis skills and critical judgment, enabling them to form independent interpretations and support arguments in their writing. Students will gain a thorough knowledge of a wide range of texts and an understanding of diverse cultural perspectives. Ultimately, this course prepares students for university, particularly in fields like literature, philosophy, law, and language. Texts studied are chosen from the Prescribed Reading List (PRL) or elsewhere, allowing teachers to select works that deepen students' understanding of language and how it can shape meaning in literary and non-literary works. The authors on the list are appropriate for students aged 16 to 19. There is a fee associated with this course.

ENGL 1301 COMPOSITION I (DUAL CREDIT)
ELA03D, ELA04D
Grade Placement: 11 or 12
Prerequisite: Meet college readiness 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, fees, and must purchase textbooks for this course. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGL 1302 COMPOSITION II (DUAL CREDIT)
ELA06D, ELA07D
Grade Placement: 11 or 12
Prerequisite: ENGL 1301
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, fees, and must purchase textbooks for this course. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGL 2332 WORLD LITERATURE I (DUAL CREDIT)
ELA05D
Grade Placement: 12
Prerequisite: ENGL 1301 and 1302
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, fees, and must purchase textbooks for this course. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGL 2333 WORLD LITERATURE II (DUAL CREDIT)
ELA08D
Grade Placement: 12
Prerequisite: ENGL 2332
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, fees, and must purchase textbooks for this course. This course satisfies Texas Administrative Code §74.11 requirements for speech instruction.

ENGLISH I OR ENGLISH II FOR SPEAKERS OF OTHER LANGUAGES (ESOL)
ELA01E, ELA02E
Grade Placement: 9-12
Prerequisite: LPAC Decision
Credit: 1
These courses are designed to serve as the English I or II course for Emergent Bilingual students with 0-3 years in US schools and at the beginning or intermediate level of English proficiency. The courses provide targeted and focused second language acquisition strategies that support the development of both interpersonal English skills and academic English. Course placement shall be determined by LPAC.

LANGUAGE ARTS ELECTIVES

PRACTICAL WRITING SKILLS
ELA013
Grade Placement: 9-12
Prerequisite: LPAC, 504, MTSS, 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-III
ELA006, ELA007, ELA008
Grade Placement: 9-12
Prerequisite: LPAC, 504, MTSS, 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.

READING LAB I-III
ELA009, ELA015, ELA016
Grade Placement: 9-12
Prerequisite: Dyslexia identification and instructional services indicated in IEP or IAP (504 plan)
Credit: 1 state reading elective
This course begins with an introductory class (Reading Lab I) for students identified with dyslexia 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 and who need reading intervention support. Students may continue on to take the intermediate course (Reading Lab II) and the advanced-intermediate course (Reading Lab III) as their learning progresses.

COLLEGE READINESS AND STUDY SKILLS
ELA011
Grade Placement: 9-12
Prerequisite: LPAC, 504, MTSS, 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.

ENGLISH LANGUAGE DEVELOPMENT and ACQUISITION I or II (ELDA)
ELDA1, ELDA2
Grade Placement: 9-12
Prerequisite: LPAC Decision
Co-requisite: ESOL I or ESOL II
Credit: 1
These courses are designed to provide instructional opportunities for Emergent Bilingual students to become increasingly more proficient in English in all four language domains. The English Language Development and Acquisition (ELDA) courses will validate a student's native language and culture as a valuable resource and as a foundation to attain the English language. The courses are designed for Emergent Bilingual students in grades 9-12 who have been in the country for 0-3 years and are at the beginning to intermediate level of English proficiency. Students must be concurrently enrolled in a language arts course. Course placement shall be determined by LPAC.

CREATIVE/IMAGINATIVE WRITING
ELA005
Grade Placement: 10-12
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, 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.

AP SEMINAR
ELA05A
Grade Placement: 10-12
Prerequisite: English 1
Credit: 1
AP Seminar engages students in cross-curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students will be required to complete several performance tasks and assessments in addition to taking the AP Exam for this course. AP Seminar is the first course of College Board's two-year AP Capstone Diploma Program. Students who earn scores of 3 or higher in both AP Seminar and AP Research and on four additional AP Exams will receive the AP Capstone Diploma. There is a fee associated with this course.

AP RESEARCH
ELA06A
Grade Placement: 11-12
Prerequisite: AP Seminar
Credit: 1
AP Research is the second course of College Board's two-year AP Capstone Diploma Program. In this course, students will be building on the research skills they developed in AP Seminar by designing, planning, and conducting a year-long mentored research-based investigation. Students will select to address a real-world topic of their own choosing, write a college-level research paper based on that research, and then present and orally defend their research findings and methodology, AP Research does not require an AP Exam. Students are required to complete all College Board requirements for this course. Student AP credit will be based on (a) their academic paper and (2) their presentation and oral defense of findings. Students who earn scores of 3 or higher in both AP Seminar and AP Research and on four additional AP Exams will receive the AP Capstone Diploma. More information about the AP Capstone Diploma can be found at this link. There is a fee associated with this course.

COLLEGE PREPARATORY COURSE: ENGLISH LANGUAGE ARTS AND READING
CPELA
Grade Placement: 12
Prerequisite: Counselor placement
Credit: 1 state elective
This course does not meet NCAA eligibility requirements.
Students who have not demonstrated college readiness by the end of their junior year, will be expected to demonstrate college readiness in English through this course. The focus of the course will be on the integration of critical thinking skills/strategies, analytical reading, and effective writing required for college-level courses. The students will learn to apply critical thinking skills/strategies as they learn to write effective, logical essays which utilize textual evidence to synthesize and to support a thesis from a variety of texts. In addition, students can earn a TSIA waiver at Collin College if the waiver requirements are met.

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-III	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
Co-Requisite: Photojournalism
Credit: .5
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
Co-Requisite: Beginning Journalism
Credit: .5
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
SPDE01
Grade Placement: 9-12
Prerequisite: None
Credit: 1
This course is an introduction to the world of competitive debate. Students learn the various formats and elements of different events, like extemporaneous speaking, debate, and oral interpretation. The course explores concepts and skills used to think critically, research topics, make decisions, and resolve conflicts. The debate student is encouraged to participate in tournaments and contests to enhance their skills.

DEBATE II
SPDE02
Grade Placement: 10-12
Prerequisite: Debate I
Credit: 1
This course places further emphasis on competitive debate, with a focus on critical thinking, rhetoric, critical listening, reasoning, research, persuasion, and performance. Participation in tournaments and contests is required for this course.

DEBATE III
SPDE03
Grade Placement: 11-12
Prerequisite: Debate II
Credit: 1
This course allows students to improve their debate skills by focusing on character development, case construction, evidence research, and cross-examination techniques. Students also work with novice speakers/debaters as mentors. Participation in tournaments and contests is required for this course.

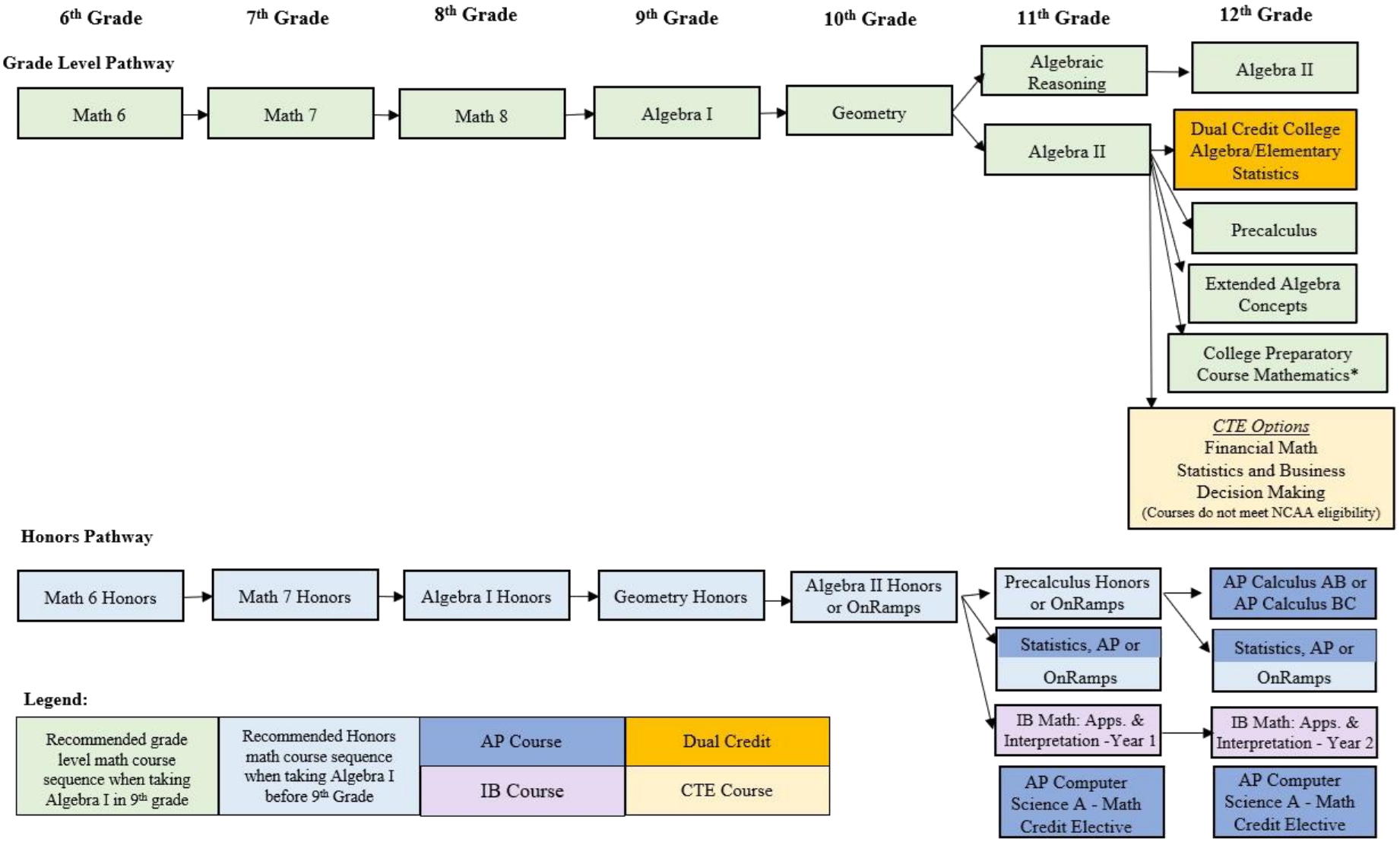
PROFESSIONAL COMMUNICATIONS
SPCA02
Grade Placement: 9-12
Prerequisite: None
Credit: .5
This course blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong background in computer and technology applications, 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, 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.

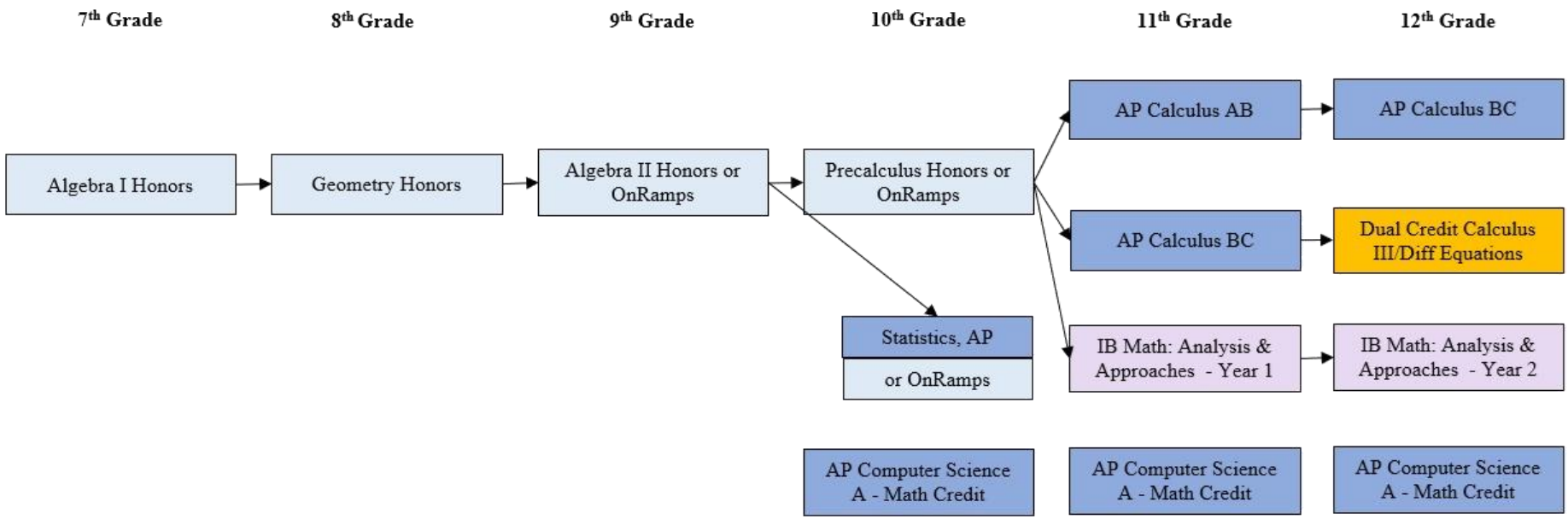
Mathematics			
Course	**Credits**	**Grade**	**Rockwall ISD Recommended Preparation** **(courses in bold are state-required prerequisites)**
Algebra I	1	9	**8th Grade Math or Equivalent**
Algebra Lab-Strategic Learning for High School Mathematics	1 state elective	9-12	Counselor placement only
Geometry	1	9-10	**Algebra I**
Geometry Honors	1	9-10	**Algebra I** (Honors recommended)
Algebraic Reasoning*	1	11	**Algebra I**
Algebra II	1	10-12	**Algebra I,** Geometry
Algebra II Honors	1	9-11	**Algebra I** (Honors Recommended), Geometry (Honors Recommended)
OnRamps Algebra II Honors (Dual Enrollment)	1	9-11	**Algebra I (**Honors with a grade of 80 or higher recommended), Geometry (Honors with a grade of 80 or higher recommended)
IB Mathematics: Applications and Interpretation (Higher Level)	2	11 and 12	**Algebra II**
IB Mathematics: Analysis and Approaches (Higher Level)	2	11 and 12	**OnRamps Precalculus Honors or Precalculus Honors**
Extended Algebra Concepts (formerly Advanced Algebra)	1	11-12	Algebra II
Precalculus	1	11-12	**Geometry and Algebra II**
Precalculus Honors	1	10-12	**Geometry and Algebra II** (Honors recommended)
OnRamps Precalculus Honors (Dual Enrollment)	1	10-12	**Geometry Honors** and Algebra II Honors (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 Honors (OnRamps Honors or Honors; a grade of 80 or higher is recommended)
AP Statistics	1	11-12	Algebra II Honors or OnRamps Algebra II Honors (a grade of 80 or higher recommended); may be taken concurrently with Precalculus
OnRamps Statistics Honors (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 Mathematics*	1 state elective	12	Counselor Placement
MATH 1314 College Algebra (Dual Credit)	.5	12	Meet college readiness criteria, recommend Algebra II
MATH 1342 Elementary Statistics (Dual Credit)	.5	12	Meet college readiness criteria, recommend Algebra II
MATH 2415 Calculus III (Dual Credit)	.5	12	**AP Calculus BC and a 4 or higher on the AP Calculus BC Exam**, meet college ready criteria
MATH 2320 Differential Equations (Dual Credit)	.5	12	**AP Calculus BC and a 4 or higher on the AP Calculus BC Exam**, meet college ready criteria
CTE Courses That Confer Math Credit			
Financial Mathematics*	1	11-12	**Algebra I,** recommend Principles of Business, Marketing and Finance
Statistics and Business Decision Making*	1	11-12	**Algebra II,** recommend Principles of Business, Marketing and Finance
Accounting II*	1	11-12	**Accounting I,** recommend Algebra II, Principles of Business, Marketing and Finance
AP Computer Science A*	1 math and 1 LOTE	10-12	**Algebra I**; recommended Computer Science I Honors, AP Computer Science Principles
Robotics II*	1	11-12	**Robotics I**
Manufacturing Engineering Technology II*	1	11-12	**Algebra II, Manufacturing Engineering Technology I**

6 – 12 Mathematics



Please note that a student may choose a second math course in one school year if prerequisites have been met. Use the table on the previous page to verify prerequisites.
**Designated for students who have not demonstrated college readiness.*

6 – 12 Mathematics
Accelerated By Exam Pathway



Legend:

Recommended Honors math course sequence when taking Algebra I before 9th Grade	AP Course
	IB Course
	Dual Credit

**Students qualify based on meeting additional testing through meeting minimum scores by Credit by Examination (see Academic Planning Guide).*

MATHEMATICS

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 TI-84 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.

GEOMETRY HONORS
MAT02P
Grade Placement: 9-10
Prerequisite: Algebra I (Honors recommended)
Credit: 1
This course is the second high school math credit honor students need to earn for graduation. Geometry Honors builds on geometric and algebraic concepts students were exposed to from kindergarten through Algebra I. In Geometry Honors, 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 Honors or OnRamps Algebra II Honors 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 Honors.

ALGEBRAIC REASONING
MAT008
Grade Placement: 11
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. Students will take the TSIA during this course. This course is a prerequisite for statistics, CTE, and advanced math courses.

ALGEBRA II HONORS
MAT04P
Grade Placement: 9-11
Prerequisite: Algebra I (Honors recommended), Geometry (Honors Recommended)
Credit: 1
Algebra II Honors 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 Honors and AP Calculus or IB Mathematics courses. After this course, students should enroll in OnRamps Precalculus Honors or Precalculus Honors.

ONRAMPS ALGEBRA II HONORS (DUAL ENROLLMENT)
MAT04D
Grade Placement: 9-11
Prerequisite: Algebra I Honors (a grade of 80 or higher recommended), Geometry Honors (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 enrollment option through the University of Texas for qualifying students. This course will help prepare students for Precalculus, OnRamps Precalculus, Precalculus Honors, and further advanced academic math courses. After this course, student(s) should enroll in Precalculus Honors or OnRamps Precalculus Honors. There is a required University of Texas at Austin course fee for all OnRamps courses.

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION (HIGHER LEVEL)
MAT22I, MAT23I
Grade Placement: 11 AND 12
Eligibility: IB Diploma candidate or IB course enrollment with teacher recommendation
Prerequisite: Algebra II
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.

IB MATHEMATICS: ANALYSIS AND APPROACHES (HIGHER LEVEL)
MAT32I
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: OnRamps Precalculus Honors or Precalculus Honors
Credit: 2
This course is taken over a two-year period. Students are required to take the appropriate IB Assessments.
The International Baccalaureate Mathematics: Analysis and Approaches HL course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course features an integrated approach to precalculus, statistics, and calculus topics with a greater emphasis on calculus. Students are encouraged to apply their mathematical knowledge to solve abstract problems as well as those set in a variety of real-world contexts, with a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. There is a fee associated with this course.

EXTENDED ALGEBRA CONCEPTS (FORMERLY ADVANCED ALGEBRA)
MAT005
Grade Placement: 11-12
Prerequisite: Algebra II
Credit: 1
Extended Algebra Concepts provides a fourth math credit for graduation. This course provides students with a solid understanding of the elementary functions of algebra, with the purpose of preparing students for 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 Extended Algebra Concepts will be TSIA-ready. 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 enrollment College Algebra/Elementary Statistics, and Calculus AB or calculus at 2-year or 4-year college or university as their next math course.

PRECALCULUS HONORS
MAT05P
Grade Placement: 10-12
Prerequisite: Geometry and Algebra II (Honors recommended)
Credit: 1
Precalculus Honors is a rigorous course that will deepen students' prior understandings and fluency with symbolic manipulation, algebraic concepts, and geometry. In Precalculus Honors, students will analyze functional relationships, geometric theorems, and reason algebraically in preparation for the study of calculus. Precalculus Honors 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 HONORS (DUAL ENROLLMENT)
MAT06D
Grade Placement: 10-12
Prerequisite: Geometry Honors, Algebra II Honors (a grade of 80 or higher is recommended)
Credit: 1
OnRamps Precalculus Honors 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 Honors is taught via OnRamps, which provides a dual enrollment 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/Honors weighted credit. There is a required University of Texas at Austin course fee for all OnRamps courses.

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 Honors (OnRamps Honors or Honors; 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 sub score 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 Honors or OnRamps Algebra II Honors (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 HONORS (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 Honors 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. This course is taught via OnRamps, which provides a dual enrollment option through the University of Texas for interested students. This course receives dual/Honors weighted credit. There is a required University of Texas at Austin course fee for all OnRamps courses.

COLLEGE PREPARATORY COURSE: MATHEMATICS
CPMAT1
Grade Placement: 12
Prerequisite: Counselor placement, 3 completed math credits
Credit: 1 state elective
This course does not meet NCAA eligibility requirements.
Students who have not demonstrated college readiness by the end of their junior year, will be expected to demonstrate college readiness in Math through this course. The focus of this course is to provide students with an opportunity to demonstrate college readiness in Math while the strengthening math skills that colleges expect students to know when enrolling. In addition, students may earn a TSI waiver at Collin College if the waiver requirements are met.

MATH 1314 COLLEGE ALGEBRA (DUAL CREDIT)
MAT01D
Grade Placement: 12
Prerequisite: Meet college readiness criteria, Algebra II recommended
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, fees, and must purchase textbooks for this course.

MATH 1342 ELEMENTARY STATISTICS METHODS (DUAL CREDIT)
MAT12D
Grade Placement: 12
Prerequisite: Meet college readiness criteria, Algebra II recommended
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.

MATH 2415 CALCULUS III (DUAL CREDIT)
MAT02D
Grade Placement: 12
Prerequisite: AP Calculus BC and a 4 or higher on the AP Calculus BC Exam, meet college readiness criteria
High School Credit: 0.5
College Credit: 4
This course studies advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem. Graphing calculator required. Lab included. Students pay Collin College in-county tuition, fees, and must purchase textbooks for this course. This dual credit course is offered asynchronously by Collin College and is considered a distance learning course. Distance learning courses are excluded from class rank. See *Exclusion of Class Rank*, pg. 4 of APG.

MATH 2320 DIFFERENTIAL EQUATIONS (DUAL CREDIT)
MAT03D
Grade Placement: 12
Prerequisite: AP Calculus BC and a 4 or higher on the AP Calculus BC Exam, meet college readiness criteria
High School Credit: 0.5
College Credit: 3
This course covers ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods, and boundary value problems; application of differential equations to real-world problems. Graphing calculator required. Students pay Collin College in-county tuition, fees, and must purchase textbooks for this course. This dual credit course is offered asynchronously by Collin College and is considered a distance learning course. Distance learning courses are excluded from class rank. See *Exclusion of Class Rank*, pg. 4 of APG.

CTE Courses that Confer Math Credit

FINANCIAL MATHEMATICS
BMA016
Grade Placement: 11-12
Required Prerequisite: Algebra I
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Certification: None
This course meets graduation requirements for an advanced math 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, and Finance
Credit: 1
This course meets the requirements for an advanced math credit. This course does not meet NCAA eligibility requirements.
In this course, students will develop the skills to apply statistical and mathematical tools to explore and analyze data. They will learn how to identify trends and patterns, discover outliers, and use these insights to make data-driven decisions that solve real-world business problems. 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. Students will gain a comprehensive understanding of how statistical analysis is integrated into the five principal functions of business to minimize exposure to risk and optimize operational efficiency. Students gain the confidence and practical skills to successfully navigate career exploration, interviews, networking, and professional business etiquette.

ACCOUNTING II
BMA011
Grade Placement: 11-12
Required Prerequisite: Accounting I
Recommended Prerequisite: Students should have an 80 or higher in the previous Program of Study course
Credit: 1
This course meets the requirements for an advanced math credit. This course is designed for students in the business endorsement program of study. 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. Any students who have not earned the previous course certification will be required to retake it in this course.

AP COMPUTER SCIENCE A
TEC01A and TEC01B
Grade Placement: 10-12
Required Prerequisite: Algebra I
Recommended Prerequisite: AP Computer Science Principles or Computer Science I Honors, grade of 80 or higher
Credit: 2 (1 LOTE, 1 Math) This course is one class period.
This course meets graduation requirements for an advanced math credit and one foreign language credit (LOTE). Students are required to take an Advanced Placement exam.
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.

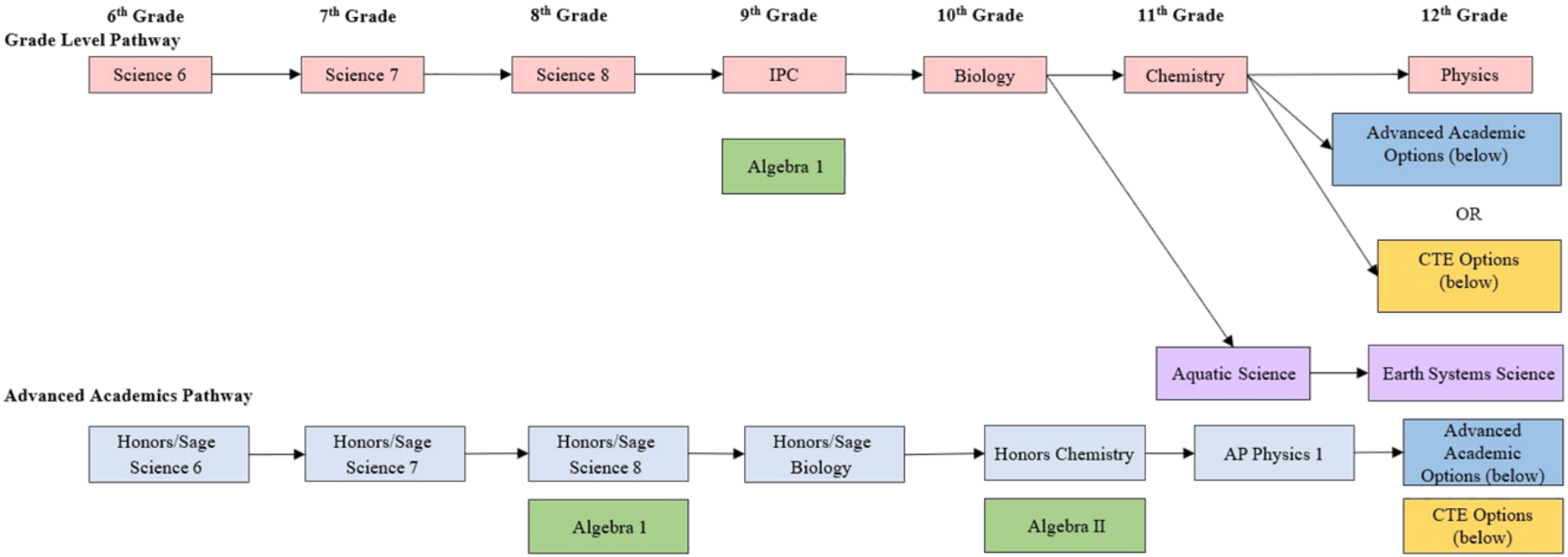
ROBOTICS II
STE014
Grade Placement: 11-12
Required Prerequisite: Robotics 1
Recommended Prerequisite: None
Credit: 1
This course meets graduation requirements for an advanced math credit.
In the Robotics II class, students enhance the foundational skills acquired in Robotics I by delving into more advanced concepts and applications. They engage in designing, building, and programming complex robotic systems, integrating sensors, controllers, and actuators to create autonomous robots. Students apply advanced programming skills to control robotic functions, troubleshoot and optimize systems, and gain experience with real-world automation technologies commonly used in industry. The course emphasizes the engineering design process, enabling students to plan, test, and improve their robotic projects while collaborating in teams for hands-on challenges and competitions. This course serves as a gateway for students to explore career and college pathways in robotics, mechatronics, and technology fields. By preparing them for advanced studies in these areas, Robotics II equips students with the necessary skills and knowledge to thrive in future endeavors within the ever-evolving landscape of robotics and automation.

MANUFACTURING ENGINEERING TECHNOLOGY II
MAU012
Grade Placement: 11-12
Required Prerequisite: Algebra II, Manufacturing Engineering I
Recommended Prerequisite: None
Credit: 1
This course meets graduation requirements for an advanced math credit.
In the Manufacturing Engineering Technology II class, students build upon the foundational skills acquired in Level I, delving into advanced manufacturing technologies and engineering practices. The curriculum emphasizes the design and improvement of manufacturing processes using engineering principles, operation and programming of advanced systems like CNC machines and robotics, and the use of CAD/CAM software for part design and automation control. Students also learn to apply quality control techniques, analyze material properties for production, and solve real-world manufacturing challenges through project-based learning. Additionally, the course fosters teamwork as students collaborate on complex, hands-on engineering and production projects, equipping them with career-ready skills applicable in engineering, manufacturing, and technical fields. This comprehensive program prepares students for further education in college programs and for careers in advanced manufacturing, engineering, and industrial technology. Students will be required to supply their own safety glasses. There is an associated fee of $75 for supplies and materials. Students are expected to earn the Industry-Based Certification for the operation of the CNC mill.

Science			
Course Name	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation** **(courses noted in bold are state-required prerequisites)**
Biology	1	9-10	None
Biology Honors Sage	1	9	Honors/Sage IPC 8 or Honors 8th grade Science Receives Meets or Masters on 8th Grade STAAR
Biology Honors	1	9-10	Honors/Sage IPC 8 or Honors 8th grade Science Identified as gifted and talented through district testing.
Chemistry Honors	1	10	**1 credit of high school science** (Honors recommended), **Algebra I,** Algebra II concurrent enrollment
Integrated Physics and Chemistry (IPC)	1	10	Biology
Chemistry	1	10-12	**1 high school science credit, Algebra I,** Geometry
Aquatic Science	1	11-12	**Biology,** IPC and Chemistry
Physics	1	10-12	**Algebra I**
Earth Systems Science	1	11-12	**Algebra I, 2 credits of high school science**
AP Biology	1	10-12	Biology Honors, Chemistry Honors or concurrent enrollment
AP Physics I	1	10-12	Chemistry Honors, Geometry Honors, Concurrent enrollment Algebra II Honors (or equivalent)
AP Chemistry	1	11-12	Chemistry Honors, Algebra II Honors or OnRamps Algebra II
AP Physics II	1	11-12	AP Physics I, Precalculus
AP Physics C: Mechanics	1	11-12	Credit in Calculus AB/BC or credit in AP Physics I, 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, concurrent enrollment in Calculus AB/BC
AP Environmental Science	1	11-12	Biology Honors and/or Chemistry Honors
OnRamps Geoscience (Dual Enrollment)	1	11-12	Biology, Chemistry
IB Biology Standard Level	1	11 or 12	Biology (Biology Honors recommended)
IB Physics Standard Level	1	11 or 12	Algebra II Honors or OnRamps Algebra II
IB Environmental Systems and Societies Standard Level	1	11 or 12	Biology
CTE Courses That Confer Science Credit			
Applied Physics (Physics credit)	1	10-12	**One Science credit and Algebra I**
Advanced Animal Science*	1	11-12	**Biology, Chemistry or IPC, *and* Algebra I, Geometry, *and* either Small Animal Management/ Equine Science or Livestock and Poultry Production**
Anatomy and Physiology	1	11-12	**Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics**
Forensic Science	1	11-12	**Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics**
Aerospace I - Scientific Research and Design	1	11-12	**Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics**
Food Science	1	11-12	**Biology, Chemistry, and at least one credit from the following: Culinary Arts, Advanced Culinary Arts, Equine/Small Animal, Livestock and Poultry Production, Floral Design, or Agriculture Mechanics**

**Course does not meet NCAA eligibility*

6-12 Science
Grade Level Pathway
2025-2026 Freshman



Legend:

- Recommended grade level science pathway
- Alternative Science
- Advanced Academic
- CTE courses (confer Science credit)
- Math Course

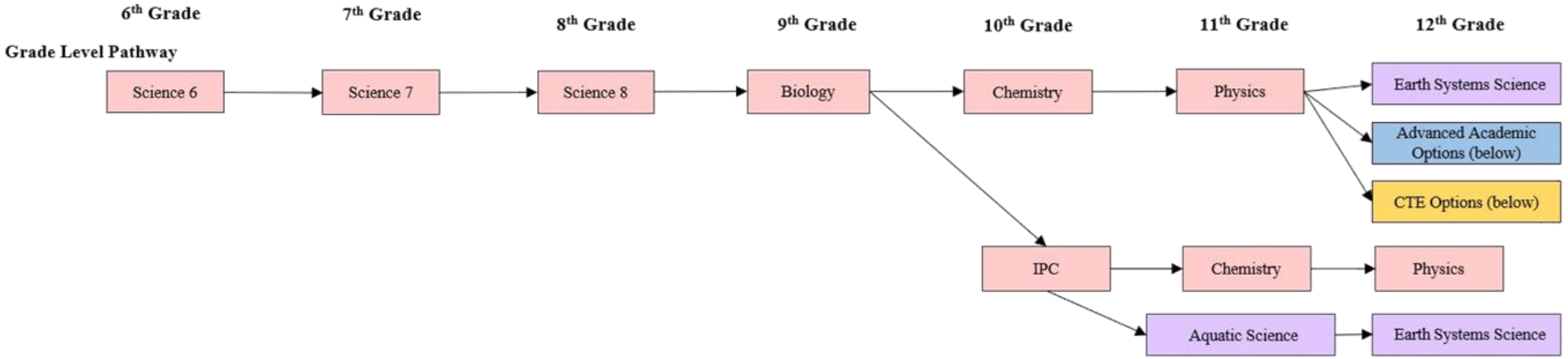
CTE Options

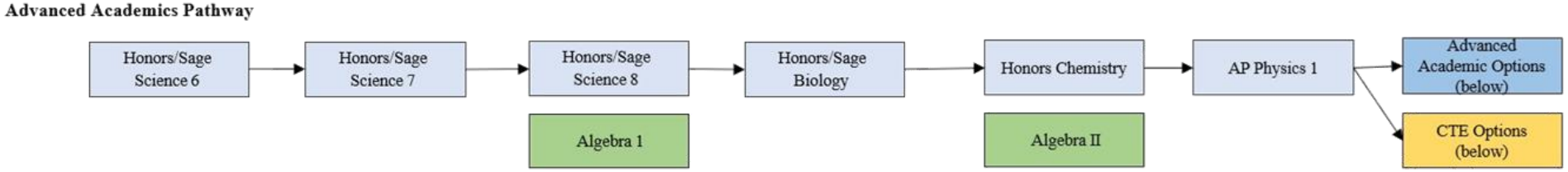
Forensics Science
Anatomy & Physiology
Advanced Animal Science
Applied Physics
Food Science

Advanced Academic Options

IB Biology
IB Environmental Systems and Societies
AP Physics 1
AP Biology
AP Environmental Science
OnRamps Geoscience

6-12 Science
2026-2027 Freshman





CTE Options
Forensics Science
Anatomy & Physiology
Advanced Animal Science
Applied Physics (Physics credit)
Food Science

Advanced Academic (AA) Options
IB Biology
IB Physics
IB Environmental Systems and Societies
Physics 1
AP Physics 2
AP Physics C: Mechanics
AP Physics C: Electricity and Magnetism
AP Chemistry
AP Biology
AP Environmental Science
OnRamps Geoscience

Legend:

Advanced Academics	CTE Options (confer Science credit)	Alternative Science

SCIENCE

BIOLOGY
SCI001
Grade Placement: 9-10
Prerequisite: None
Credit: 1
The state requires an EOC assessment at the end of this course.
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 focus on patterns, processes, and relationships of living organisms through four main concepts: biological structures, functions, and processes; mechanisms of genetics; biological evolution; and interdependence within environmental systems. This course is for those students who took Algebra I and IPC in 9th grade. This course satisfies Texas Administrative Code §74.38 requirements for instruction in Cardiopulmonary Resuscitation (CPR).

BIOLOGY HONORS SAGE
SCI01G
Grade Placement: 9
Prerequisite: Honors/Sage IPC 8 or Honors 8th grade Science, receives Meets or Masters on 8th Grade STAAR
Credit: 1
The state requires an EOC assessment at the end of this course.
Biology Honors SAGE is designed for students identified as gifted and talented in STEM through district testing. This course covers topics 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 or will enroll in Algebra II during 10th grade. (This course may be taken concurrently with IPC). This course satisfies Texas Administrative Code §74.38 requirements for instruction in Cardiopulmonary Resuscitation (CPR).

BIOLOGY HONORS
SCI01P
Grade Placement: 9-10
Prerequisite: Honors/Sage IPC 8 or Honors 8th grade Science, receives Meets or Masters on 8th Grade STAAR
Credit: 1
The state requires an EOC assessment at the end of this course.
This course covers topics 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 or will enroll in Algebra II during 10th grade. (This course may be taken concurrently with IPC). This course satisfies Texas Administrative Code §74.38 requirements for instruction in Cardiopulmonary Resuscitation (CPR).

CHEMISTRY
SCI003
Grade Placement: 10-12
Prerequisite: 1 high school science credit, Algebra I, Geometry
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 reactions. 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.

CHEMISTRY HONORS
SCI03P
Grade Placement: 10
Prerequisite: 1 credit of high school science (Honors recommended), Algebra I, Algebra II 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.

INTEGRATED PHYSICS AND CHEMISTRY (IPC)
SCI002
Grade Placement: 10
Prerequisite: Biology
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.

AQUATIC SCIENCE
SCIA01
Grade Placement: 11-12
Prerequisite: Biology, IPC or Chemistry
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 preparing for other than a four-year university.

PHYSICS
SCI004
Grade Placement: 10-12
Prerequisite: Algebra I (can take concurrently)
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 a conceptual framework, factual knowledge, and analytical and scientific skills. This course is designed for college-bound students preparing for non-science-related careers.

EARTH SYSTEMS SCIENCE
SCI016
Grade Placement: 11-12
Prerequisite: Algebra I and 2 high school science credits
Credit: 1
The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use. This course is designed for students preparing for other than a four-year university.

AP BIOLOGY
SCI01A
Grade Placement: 10-12
Prerequisite: Biology Honors, Chemistry Honors 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 the 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: Chemistry Honors, Geometry Honors, Concurrent enrollment Algebra II Honors (or equivalent)
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 Honors, Algebra II Honors or OnRamps 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: 11-12
Prerequisite: AP Physics I, Precalculus
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 or engineering. 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, 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, 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 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 Honors and/or Chemistry Honors
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 solutions 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, Chemistry
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 enrollment option through the University of Texas for interested students. This course receives dual/Honors weighted credit. There is a required University of Texas at Austin course fee for all OnRamps courses.

IB BIOLOGY STANDARD LEVEL
SCI05I
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Biology (Honors Biology recommended)
Credit: 1
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 STANDARD LEVEL
SCI341
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Algebra II Honors or OnRamps Algebra II, AP Physics 1 recommended
Credit: 1
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, analyze results, and evaluate and communicate their findings. 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 IB course enrollment with teacher recommendation
Prerequisite: Biology, Chemistry
Credit: 1
Students are required to take the appropriate IB Assessments.
Environmental Systems and Societies (ESS) is an interdisciplinary course 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.

CTE Courses that Confer Science Credit

APPLIED PHYSICS (PHYSICS CREDIT)
STE010
Grade Placement: 10-12
Prerequisite: One science credit, 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.

ADVANCED ANIMAL SCIENCE
AFN012
Grade Placement: 11-12
Required Prerequisite: Biology, Chemistry or IPC, and Algebra I and Geometry, and either Small Animal Management/Equine Science, or Livestock and Poultry Production
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources
Credit:1
This course fulfills the state requirement for an advanced science credit.
This course examines the interrelatedness of human, scientific, and technological dimensions of animal production, including canine, feline, bovine, equine, caprine, porcine, ovine, poultry, and Lagomorpha production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Students are expected to earn the Industry-Based Certification.

ANATOMY AND PHYSIOLOGY
HLS002 (RHS and RHHS), HLS02C (GBCCA)
Grade Placement: 11-12
Prerequisite: Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics
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 should take HLS02C.

FORENSIC SCIENCE
LAW02C
Grade Placement: 11-12
Prerequisite:
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 scenes, 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.

UNMANNED AERIAL VEHICLES (UAV) I
STE008
Grade Placement: 10-12
Required Prerequisite: Biology and Chemistry, IPC or Physics (one of the three can be taken concurrently)
Recommended Prerequisite: None
Credit: 1
This course fulfills the state requirement for an advanced science course.
Systems (UAS) structures and their major components, principles of flight, and the fundamental physical laws affecting flight. Students will learn about basic aerodynamics and forces that act on aircraft in flight. This course will also introduce the main systems found on large and small airplanes and UAS.

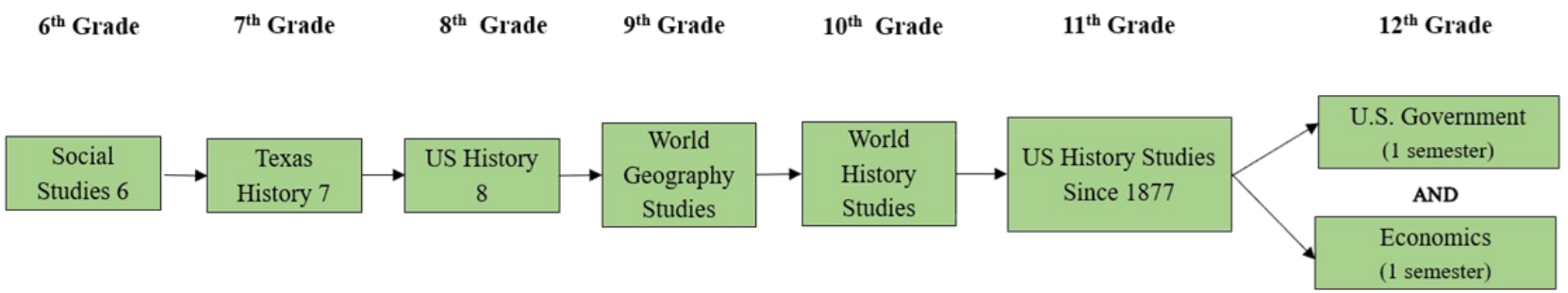
FOOD SCIENCE
HOT012
Grade Placement: 11-12
Required Prerequisite: One credit in biology, one credit in chemistry, and at least one credit from the following: Culinary Arts, Advanced Culinary Arts, Equine/Small Animal, Livestock and Poultry Production, Floral Design, or Agriculture Mechanics.
Recommended Prerequisite: None
Credit: 1
Program of Study Level:
Industry-Based Certification: None
This course fulfills the state requirement for an advanced science course.
In Food Science, students examine the nature and properties of foods, food microbiology, and the principles of science in food production, processing, preparation, and preservation; use scientific methods to conduct laboratory and field investigations; and make informed decisions using critical thinking and scientific problem solving. This course provides students a foundation for further study that leads to occupations in food and beverage services; the health sciences; agriculture, food, and natural resources; and human services. (Program of Study course level: 4)

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 Honors	1	9-12	History 8 Honors recommended
AP Human Geography	1	9	History 8 Honors and English 8 Honors in 8th grade recommended
World History Studies	1	10-12	None
AP World History: Modern	1	10-12	World Geography Studies Honors 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
Economics with Emphasis on Free Enterprise and Its Benefits	.5	12	None
AP Macroeconomics	.5	12	AP United States History
AP Microeconomics	.5	12	Recommended AP U.S. History
IB History Higher Level	2	11 and 12	AP World History: Modern or AP European History recommended
Psychology	.5	10-12	None
Special Topics in Social Studies: Psychology*	.5	10-12	Semester 1 only; at least one previous credit in Honors or AP social studies
AP Psychology*	.5	10-12	Semester 2 only; Special Topics in Social Studies: Psychology
Sociology	.5	10-12	None
AP European History	1	10-12	At least one previous credit in Honors or AP social studies
Personal Financial Literacy and Economics (Not NCAA eligible)	.5	12	United States History or equivalent
Personal Financial Literacy	.5	12	None
IB Philosophy Standard Level	1	11 or 12	None
HIST 1301 United States History I (Dual Credit)	.5	11	Meet college readiness criteria
HIST 1302 United States History II (Dual Credit)	.5	11	**HIST 1301,** meet college readiness criteria
GOVT 2305 Federal Government (Dual Credit)	.5	12	Meet college readiness criteria
ECON 2301 Principles of Macroeconomics (Dual Credit)	.5	12	Meet college readiness criteria

* Sophomores must also be concurrently enrolled in World History or AP World History: Modern.

6-12 Social Studies

Grade Level Pathway



Legend:

Recommended on level pathway

Personal Financial Literacy

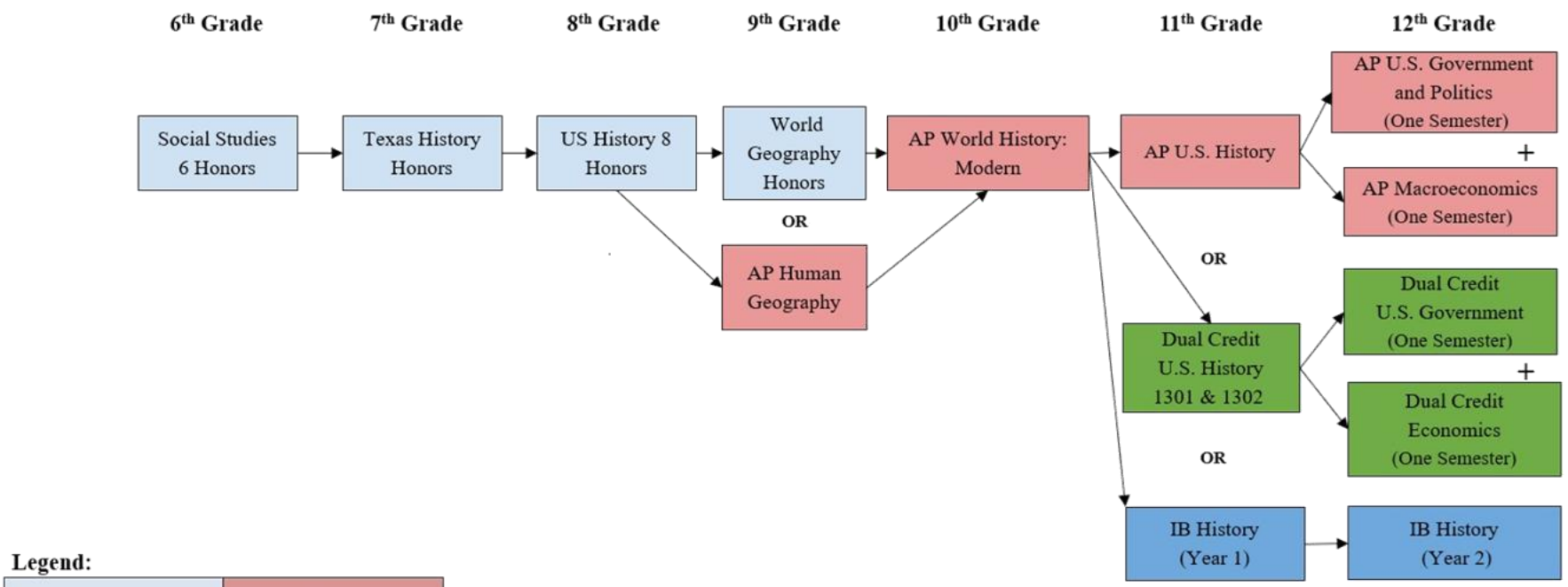
This one credit course is required in lieu of Economics beginning with the class of 2030

Social Studies Electives (Grades 10-12)

Psychology (1 semester)
Sociology (1 semester)
Personal Financial Literacy (1 semester)

6-12 Social Studies

Advanced Academics Pathway



Legend:

Honors course	AP course
IB course	Dual Credit course

AP Electives (Grades 10-12)
AP Microeconomics
AP Psychology
AP European History

IB Electives (Grades 11-12)
IB Philosophy

SOCIAL STUDIES

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 HONORS
SSH01P
Grade Placement: 9-12
Prerequisite: History 8 Honors recommended
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 will equip students with critical thinking skills, analytical skills, and problem-solving strategies necessary for success in Advanced Placement courses and requires rigorous outside reading, writing assignments, and projects.

AP HUMAN GEOGRAPHY
SSH02A
Grade Placement: 9
Prerequisite: History 8 Honors, English 8 Honors in 8th grade recommended
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 Honors 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, the 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 the 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 satisfies Texas Administrative Code §74.39 requirements for instruction on proper interaction with Peace Officers.

AP UNITED STATES HISTORY
SSH04A
Grade Placement: 11
Prerequisite: AP World History: Modern recommended
Credit: 1
The state requires an EOC assessment at the end of this course. Students are required to take an Advanced Placement exam.
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 examine 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. This course satisfies Texas Administrative Code §74.39 requirements for instruction on proper interaction with Peace Officers.

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 levels. 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.

AP MICROECONOMICS
SSH10A
Grade Placement: 12
Prerequisite: AP U.S. History recommended
Credit: .5
Students are required to take an Advanced Placement exam.
This course emphasizes the principles of economics that apply to individual economic decision-makers. Students study product and factor markets, distributions of income, market failure, and the government's role in promoting efficiency and equity. 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: AP World History: Modern or AP European History 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. This course satisfies Texas Administrative Code §74.39 requirements for instruction on proper interaction with Peace Officers.

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, at least one previous credit in Honors or AP social studies
Co-requisite: AP Psychology
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. Students in 10th grade must also be concurrently enrolled in World History or AP World History: Modern.

AP PSYCHOLOGY
SSH07A
Grade Placement: 10-12
Prerequisite: Semester 2 only
Co-requisite: 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. Students in 10th grade must also be concurrently enrolled in World History or AP World History: Modern.

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: 10-12
Prerequisite: At least one credit in World Geography Honors or AP Human Geography
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 AND ECONOMICS
SSH011
Grade Placement: 12
Prerequisite: US History or Equivalent
Credit: .5
This course does not currently meet NCAA eligibility requirements
The Personal Financial Literacy and Economics Course emphasizes the economic way of thinking, which serves as a framework for the personal financial decision-making opportunities introduced in the course. Students will demonstrate the ability to anticipate and address financial challenges as these challenges occur over their lifetime. In addition, students are introduced to common economic and personal financial planning terms and concepts. As a result of learning objective concepts and integrating subjective information, students gain the ability to lead productive and financially self-sufficient lives.

PERSONAL FINANCIAL LITERACY
SSH015
Grade Placement: 12
Prerequisite: None
Credit: .5
Personal Financial Literacy will engage students in applying critical thinking and problem-solving skills to analyze the core components of financial well-being. The curriculum is focused on empowering future citizens with the knowledge to establish financially secure lifestyles and assume personal financial responsibility. Key areas of study include analysis of decisions related to: earning, spending, saving, investing, credit, borrowing, insurance, and planning for college and post-secondary education/training.
For all students entering the 9th grade beginning with the 2026-2027 school year, this one-semester course will be required for graduation credit in lieu of the one-semester Economics course.

IB PHILOSOPHY STANDARD LEVEL
SSH05I
Grade Placement: 11 or 12
Prerequisite: IB Diploma Candidate or IB course enrollment with teacher recommendation
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: Meet 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 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, fees, and must purchase textbooks for this course.

HIST 1302 UNITED STATES HISTORY II (DUAL CREDIT)
SSH11D
Grade Placement: 11
Prerequisite: HIST 1301, Meet TSIA criteria
High School Credit: 0.5
College Credit: 3
The state requires an EOC assessment at the end of this course.
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, fees, and must purchase textbooks for this course.

GOVT 2305 FEDERAL GOVERNMENT (DUAL CREDIT)
SSH05D
Grade Placement: 12
Prerequisite: Meet 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. Students pay Collin College in-county tuition, fees, and must purchase textbooks for this course.

ECON 2301 PRINCIPLES OF MACROECONOMICS (DUAL CREDIT)
SSH06D
Grade Placement: 12
Prerequisite: Meet 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, 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 I for Native Speakers	1	9-11	Teacher Recommendation or CBE or Spanish for Native Placement Test
Spanish II	1	9-12	**Spanish I or CBE**
Spanish II Honors	1	9-12	**Spanish I**
Spanish II Honors for Native Speakers	1	9-12	**Spanish I or CBE or Spanish for Native Placement Test**
Spanish III Honors	1	10-12	**Spanish II or Spanish II Honors**
AP Spanish IV (Spanish Language and Culture)	1	11-12	**Spanish III Honors**
AP Spanish V (Spanish Literature)	1	11-12	**AP Spanish IV**
IB Spanish ab initio	2	11 and 12	No prior Spanish credit
IB Spanish B (Year 1 and Year 2)	1	11 or 12	**Spanish III Honors; IB Spanish Year 1**
French I	1	9-12	None
French II	1	10-12	**French I**
French II Honors	1	10-12	**French I**
French III Honors	1	11-12	**French II or French II Honors**
AP French IV (French Language and Culture)	1	11-12	**French III Honors**
IB French ab initio	2	11 and 12	No prior French credit
IB French B (Year 1 and Year 2)	1	12	**French III Honors, IB French Year I**
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**
CTE Courses That Confer LOTE Credit			
AP Computer Science Principles	1	9-12	**Algebra I;** recommended with an 80 or higher
Computer Science I Honors	1	9-12	**Algebra I**
AP Computer Science A (math credit and LOTE Credit)	2	10-12	**Algebra I;** recommend Algebra II and AP Computer Science Principles or Computer Science I Honors, grade of 80 or higher
Computer Science III	1	11-12	**AP Computer Science A**

LANGUAGES OTHER THAN ENGLISH

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 1 FOR NATIVE SPEAKERS
LOTN1P
Grade Placement: 9-11
Prerequisite: Teacher Recommendation or CBE or Spanish for Native Placement Test
Credit: 1
This course emphasizes both spoken and written Spanish. Students must be fluent in speaking their Spanish language. This course will extend student's reading, grammar, and writing skills and students will study people and cultures of the Hispanic world. Multiple learning strategies will be provided to prepare students for Spanish II Honors. Students will be expected to become more proficient in the four language skills (reading, writing, listening, and speaking).

SPANISH II
LOTS02
Grade Placement: 9-12
Prerequisite: Spanish I or CBE
Credit: 1
This course reinforces and extends the four skills: listening, speaking, reading, and writing. Writing the 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 HONORS
LOTS2P
Grade Placement: 9-12
Prerequisite: Spanish 1
Credit: 1
This course studies the material covered in Spanish II, with emphasis on learning strategies to prepare for Spanish III Honors. 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 HONORS FOR NATIVE SPEAKERS
LOTN2P
Grade Placement: 9-12
Prerequisite: Spanish I or CBE or Spanish for Native Placement Test
Credit: 1
This course emphasizes both spoken and written Spanish. Students must be fluent in speaking their Spanish language. This course will extend student's reading, grammar, and writing skills and students will study people and cultures of the Hispanic world. Multiple learning strategies will be provided to prepare students for Spanish III Honors. Students will be expected to become more proficient in the four language skills (reading, writing, listening, and speaking).

SPANISH III HONORS
LOTS3P
Grade Placement: 10-12
Prerequisite: Spanish II, Spanish II Honors, or Spanish II Honors for Native Speakers
Credit: 1
This course covers the material and meets objectives to prepare for AP Spanish IV or IB Spanish B. 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 Honors
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 underlying 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 the 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: IB Diploma Candidate 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 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 (Year 1)
LOTS6I
Grade Placement: 11 or 12
Prerequisite: Spanish II or Spanish II Honors
Credit: 1
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 SPANISH B STANDARD LEVEL (YEAR 2)
LOTS4I
Grade Placement: 12
Prerequisite: Spanish III Honors (IB Spanish Year 1)
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 HONORS
LOTF2P
Grade Placement: 10-12
Prerequisite: French I
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 Honors. Students are expected to become proficient in the oral skills, as the class will be conducted primarily in the French language.

FRENCH III HONORS
LOTF3P
Grade Placement: 11-12
Prerequisite: French II or French II Honors
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 Honors
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 Francophone (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
Prerequisite: IB Diploma candidate with no prior credit in French
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.
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 (YEAR 1)
LOTF7I
Grade Placement: 11 or 12
Prerequisite: French II or French II Honors; Enrollment in IB Programme or IB course enrollment with teacher recommendation
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 FRENCH B (YEAR 2)
LOTF4I
Grade Placement: 12
Prerequisite: French III Honors; IB French Year I
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
This 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 1
Credit: 1
This course 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
This course 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
This course 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.

CTE Courses that Confer LOTE Credit

COMPUTER SCIENCE I HONORS
TEC01P
Grade: 9-12
Required Prerequisite: Algebra I
Recommended Prerequisite: None
Credit: 1
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 support 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: Algebra I
Recommended Prerequisite: Algebra I grade of 80 or higher
Credit: 1
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: 10-12
Required Prerequisite: Algebra I
Recommended Prerequisite: AP Computer Science Principles or Computer Science I Honors, grade of 80 or higher
Credit: 2 (1 LOTE, 1 Math) This course is one class period.
This course meets graduation requirements for an advanced math credit and one foreign language credit (LOTE). Students are required to take an Advanced Placement exam.
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.

COMPUTER SCIENCE III
TEC014
Grade Placement: 11-12
Required Prerequisite: AP Computer Science A
Recommended Prerequisite: None
Credit: 1
This course meets state requirements for a foreign language credit (LOTE).
This course furthers the study of computer programming using Java. A mastery in AP Computer Science A is a necessity due to this course being a study of classic data structures, including linked lists, stacks, queues, trees, heaps, priority queues, and their application to algorithms such as quick-sort and heap-sort. Students will also be introduced to graph theory and extend their knowledge of recursive algorithms. Other topics such as: advanced Graphical User Interface (GUI) techniques, multi-threaded programs, networked applications, and number theory, may be included.

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. In addition, many IB courses can be taken as "certificate only" credit without pursuing the separate IB Diploma.

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.

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation
IB English Literature Higher Level*	2	11 and 12	English II Honors or English II SAGE Honors
IB English Language and Literature Higher Level*	2	11 and 12	IB Diploma Candidate or IB course enrollment with teacher recommendation
IB History Higher Level*	2	11 and 12	AP World History: Modern or AP European History recommended
IB Mathematics: Applications and Interpretation Higher Level*	2	11 and 12	**Algebra II**
IB Mathematics: Analysis and Approaches Higher Level*	2	11 and 12	OnRamps Precalculus Honors or Precalculus Honors
IB Environmental Systems and Societies Standard Level*	1	11 or 12	Biology, Chemistry (Honors recommended)
IB Biology Standard Level*	1	11 or 12	Biology (Biology Honors recommended)
IB Physics Standard Level*	1	11 or 12	Algebra II Honors or OnRamps Algebra II, recommend Pre-Calculus
IB Spanish ab initio	2	11 and 12	No prior Spanish credit
IB Spanish B (Year 1 and Year 2) Standard Level*	1	11-12	Spanish III Honors (IB Spanish Year 1)
IB French ab initio	2	11 and 12	No prior French credit
IB French B (Year 1 and Year 2) Standard Level*	1	11-12	French III Honors (IB French Year 1)
IB Music Standard Level*	2	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 Philosophy Standard Level*	1	11 or 12	None
IB Research Year 1	.5 Local	11	Must be an IB Diploma candidate
IB Research Year 2	.5 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 courses students will take the same internal and external assessments as the IB diploma students and can earn college credit for passing 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.

INTERNATIONAL BACCALAUREATE

IB ENGLISH LITERATURE HIGHER LEVEL
ELA03I, ELA04I
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
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 Reading List (PRL) or elsewhere. The PRL list is a wide-ranging list of works, from a variety of languages, allowing teachers to select works that deepen students' understanding of literature and how it can shape the human experience. The authors on the list are appropriate for students aged 16 to 19. There is a fee associated with this course.

IB ENGLISH: LANGUAGE AND LITERATURE HIGHER LEVEL
ELA05I (YR 1) and ELA06I (YR 2)
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: English II
Credit: 2
Note: This course is taken over a two-year period. Students are required to take the appropriate IB assessments.
The IB Diploma Programme Language & Literature course combines the formal analysis of both literary and non-literary texts with an exploration of how cultural context shapes meaning. Students will study texts in a variety of media and forms. The curriculum develops students' textual analysis skills and critical judgment, enabling them to form independent interpretations and support arguments in their writing. Students will gain a thorough knowledge of a wide range of texts and an understanding of diverse cultural perspectives. Ultimately, this course prepares students for university, particularly in fields like literature, philosophy, law, and language. Texts studied are chosen from the Prescribed Reading List (PRL) or elsewhere, allowing teachers to select works that deepen students' understanding of language and how it can shape meaning in literary and non-literary works. 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 or IB course enrollment with teacher recommendation
Prerequisite: AP World History: Modern or AP European History 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. This course satisfies Texas Administrative Code §74.39 requirements for instruction on proper interaction with Peace Officers.

IB MATHEMATICS: APPLICATIONS AND INTERPRETATION HIGHER LEVEL
MAT22I, MAT23I
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Algebra II credit
Credit: 2
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 MATHEMATICS: ANALYSIS AND APPROACHES HIGHER LEVEL
MAT32I
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: OnRamps Precalculus Honors or Precalculus Honors
Credit: 2
This course is taken over a two year period. Students are required to take the appropriate IB Assessments.
The International Baccalaureate Mathematics: Analysis and Approaches HL course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. This course features an integrated approach to precalculus, statistics, and calculus topics with a greater emphasis on calculus. Students are encouraged to apply their mathematical knowledge to solve abstract problems as well as those set in a variety of real-world contexts, with a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. 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 IB course enrollment with teacher recommendation
Prerequisite: Biology, Chemistry (Honors recommended)
Credit: 1
Students are required to take the appropriate IB assessments.
Environmental systems and societies (ESS) is an interdisciplinary course 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 course requires a broad skill set from students, including the ability to perform research and investigations, participate in philosophical discussions, 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
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Biology (Biology Honors recommended)
Credit: 1
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. 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 STANDARD LEVEL
SCI341
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Algebra II Honors or OnRamps Algebra II
Recommended Prerequisite: AP Physics I, Pre-Calculus
Credit: 1
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, analyze results, and evaluate and communicate their findings. There is a fee associated with this course.

IB SPANISH AB INITIO
LOTS3I
Grade Placement: 11 AND 12
Eligibility: IB Diploma Candidate, no prior credit in Spanish
Prerequisite: IB Diploma Candidate 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 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 (YEAR 1)
LOTS6I
Grade Placement: 11 or 12
Eligibility: IB candidate or IB course enrollment with teacher recommendation
Prerequisite: Spanish II or Spanish II Honors
Credit: 1
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 SPANISH B STANDARD LEVEL (YEAR 2)
LOTS4I
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Spanish III Honors (IB Spanish Year 1)
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.

IB FRENCH AB INITIO
LOTF5I
Grade Placement: 11 AND 12
Eligibility: IB Diploma candidate, no prior credit in French
Prerequisite: 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.
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 (YEAR 1)
LOTF7I
Grade Placement: 11 or 12
Eligibility: IB Diploma candidate or IB course enrollment with teacher recommendation
Prerequisite: French II or French II Honors;
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 FRENCH STANDARD LEVEL (YEAR 2)
LOTF4I
Grade Placement: 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: French III Honors (IB French Year 1)
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 IB course enrollment with teacher recommendation
Prerequisite: Concurrent enrollment in Choir 3/4, Band 3/4, Orchestra 3/4, or Piano 3/4 and IB course enrollment with teacher recommendation
Credit: 2
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 students' 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 IB course enrollment with teacher recommendation
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
SSH01I, SSH22I
Grade Placement: 11 AND 12
Eligibility: IB Diploma candidate only
Prerequisite: IB Diploma candidate
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
FIN01I
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
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 PHILOSOPHY STANDARD LEVEL
SSHO5I
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
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
Prerequisite: None
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
Prerequisite: None
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.

Collin College Dual Credit Programs

The Collin College dual credit courses are taught by college professors, which earn both high school credit and college credit simultaneously. Courses are taught at the Dr. Gene Burton College and Career Academy 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.

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 student's responsibility to know all drop, withdrawal, schedule, and student code of conduct policies for the higher education institution. Information is provided on the district's dual credit website to assist students. Students must attend an information session held by the higher education institution and Rockwall ISD. ***Students pay Collin College in-county tuition and fees.***

Core Dual Credit

College Course Title	High School Equivalent Course	Course Number	HS Credit	College Credit	Grade Levels	Course Prerequisite Required
ENGL 1301 Composition I	English III or English IV	ELA03D or ELA04D	.5	3	11 or 12	Meet college readiness criteria
ENGL 1302 Composition II	English III or English IV	ELA06D or ELA07D	.5	3	11 or 12	ENGL 1301
ENGL 2332 World Literature I	English IV	ELA05D	.5	3	12	ENGL 1301 and ENGL 1302
ENGL 2333 World Literature II	English IV	ELA08D	.5	3	12	ENGL 2332
HIST 1301 U.S. History	U.S. History	SSH10D	.5	3	11	Meet college readiness criteria
HIST 1302 U.S. History	U.S. History	SSH11D	.5	3	11	HIST 1301
GOVT 2305 Federal Government	United States Government	SSH05D	.5	3	12	Meet college readiness criteria
ECON 2301 Principles of Macroeconomics	Economics	SSH06D	.5	3	12	Meet college readiness criteria
MATH 1314 College Algebra	Advanced Mathematics Course	MAT01D	.5	3	12	Meet college readiness criteria Algebra II recommended
MATH 1342 Elementary Statistics	Advanced Mathematics Course	MAT12D	.5	3	12	Meet college readiness criteria, Algebra II recommended
MATH 2415 Calculus III	Advanced Mathematics Course	MAT02D	.5	4	12	AP Calculus BC and a 3 or higher on the AP Calculus BC Exam, meet college readiness criteria
MATH 2320 Differential Equations	Advanced Mathematics Course	MAT03D	.5	3	12	AP Calculus BC and a 3 or higher on the AP Calculus BC Exam, meet college readiness criteria

COLLEGE READINESS CRITERIA

Rockwall ISD recommends that for students to be successful in a dual credit course, they should demonstrate college readiness by meeting one of the following test scores. A student only needs to demonstrate college readiness for the subject area in which they are requesting to enroll.

Test	English	Math
SAT	Reading/Writing – 480	530
ACT	English and Reading combined score – 40	22
TSIA2	ELAR – 945*/Essay – 5	950**
PSAT	Reading/Writing – 460	510
STAAR	English II – 4000	Algebra I – 4000

* If score is less than 945, can pass with a minimum Diagnostic score of 5

** If score is less than 950, can pass with a minimum Diagnostic score of 6

COLLIN COLLEGE CORE 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, fees for the courses, and any required materials.

ENGL 1301 COMPOSITION I
ELA03D or ELA04D
Grade Placement: 11 or 12
Prerequisite: Meet college readiness criteria
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, fees, and must purchase textbooks for this course.

ENGL 1302 COMPOSITION II
ELA06D or ELA07D
Grade Placement: 11 or 12
Prerequisite: ENGL 1301
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, fees, and must purchase textbooks for this course.

ENGL 2332 WORLD LITERATURE I
ELA05D
Grade Placement: 12
Prerequisite: ENGL 1301 and 1302
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, fees, and must purchase textbooks for this course.

ENGL 2333 WORLD LITERATURE II
ELA08D
Grade Placement: 12
Prerequisite: ENGL 2332
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, fees, and must purchase textbooks for this course.

HIST 1301 UNITED STATES HISTORY I
SSH10D
Grade Placement: 11
Prerequisite: Meet college readiness criteria
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, fees, and must purchase textbooks for this course.

HIST 1302 UNITED STATES HISTORY II
SSH11D
Grade Placement: 11
Prerequisite: HIST 1301
High School Credit: 0.5
College Credit: 3
The state requires an EOC assessment at the end of this course.
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, fees, and must purchase textbooks for this course.

GOVT 2305 FEDERAL GOVERNMENT
SSH05D
Grade Placement: 12
Prerequisite: Meet college readiness criteria
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, fees, and must purchase textbooks for this course.

ECON 2301 PRINCIPLES OF MACROECONOMICS
SSH06D
Grade Placement: 12
Prerequisite: Meet college readiness criteria
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, fees, and must purchase textbooks for this course.

MATH 1314 COLLEGE ALGEBRA
MAT01D
Grade Placement: 12
Prerequisite: Meet college readiness criteria, Algebra II recommended
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, fees, and must purchase textbooks for this course.

MATH 1342 ELEMENTARY STATISTICS METHODS
MAT12D
Grade Placement: 12
Required Prerequisite: Meet college readiness criteria, Algebra II recommended
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, fees, and must purchase textbooks for this course.

MATH 2415 CALCULUS III
MAT02D
Grade Placement: 12
Prerequisite: AP Calculus BC and a 4 or higher on the AP Calculus BC exam, meet college readiness criteria
High School Credit: 0.5
College Credit: 4
This course studies advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem. Graphing calculator required. Lab included. Students pay Collin College in-county tuition, fees, and must purchase textbooks for this course. This dual credit course is offered asynchronously by Collin College and is considered a distance learning course. Distance learning courses are excluded from class rank. See *Exclusion of Class Rank*, pg. 4 of APG.

MATH 2320 DIFFERENTIAL EQUATIONS
MAT03D
Grade Placement: 12
Prerequisite: AP Calculus BC and a 4 or higher on the AP Calculus BC exam, meet college readiness criteria
High School Credit: 0.5
College Credit: 3
This course covers ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods, and boundary value problems; application of differential equations to real-world problems. Graphing calculator required. Students pay Collin College in-county tuition, fees, and must purchase textbooks for this course. This dual credit course is offered asynchronously by Collin College and is considered a distance learning course. Distance learning courses are excluded from class rank. See *Exclusion of Class Rank*, pg. 4 of APG.

Collin College Technical Dual Credit

This program is facilitated through Collin College. All application and enrollment requirements are determined by the college. Students interested in technical dual credit courses may have additional application requirements and procedures determined by Collin College and/or Rockwall ISD. Please check with the CTE Counselor at GBCCA for additional information. Technical dual credit courses may require additional enrollment materials and requirements. Students pay in-county tuition, fees for the courses, and any required materials. Students have the ability to earn industry recognized certifications.

Patient Care Technician

Year/Semester	Course Name	High School Equivalent Course	Course Code	College Credits	Grade Level	Pre-requisite
1st Year/Fall	NURA 1401 Nurse Aid for Health Care	PCT I	HLS26D	4	11-12	Health Science Theory (can take concurrently), Collin's Complio requirements (Collin will send these out)
1st Year/Spring	HPRS 2310 Basic Health Profession Skills II		HLS29D	3		
	NURA 1160 Clinical - Nursing Aid			1		
	HPRS 1303 End of Life Issues			3		
			Total College Credits	**11**		
2nd Year/Fall 1st 8 Weeks	DSAE 1340 Diagnostic Electrocardiography	PCT II	HLS27D	3	12	PCT I
2nd Year/Fall 2nd 8 Weeks	PLAB 1323 Phlebotomy			3		
2nd Year/Spring	NUPC 1160 Clinical - Nursing Assistant/Aide and Patient Care Assistant/Aide		HLS30D	1		
	NUPC 1320 Patient Care Technician/Assistant			3		
			Total College Credits	**10**		

PATIENT CARE TECHNICIAN (PCT)
HLS26D & HLS29D (Junior year); HLS27D & HLS30D (senior year)
Grade Placement: 11 and 12 (This is a two-year program)
Required Prerequisite: Health Science Theory (High school course) American Heart Association Basic Life Support CPR
High School Credit: 6 (3 each year)
College Credit: 21
Certification: Certified Nurse Aid (CNA), Certified Patient Care Technician (CPCT/A)

This course is a two-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, Electrocardiography and Phlebotomy are taken in the fall semester, and Clinical is taken in the spring semester. Many healthcare facilities will require the COVID-19 vaccine for students to attend clinical rotations. In addition, an up-to-date immunization, to include influenza vaccination, are required. Students are also required to have personal health insurance. After successfully completing the three program areas, students will be eligible to sit for the national certification exam to become a Certified Patient Care Technician/Assistant (CPCT/A).

Welding Dual Credit

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.

Please note some programs require students to complete the entire course sequence to earn the industry certifications. Two-year programs should be started in students' junior year. If the student starts their senior year, they can finish the course of sequence after graduation. Welding classes meet at the Collin College Technical Campus in Allen, Monday through Thursday from 7:00 a.m.-11:50 a.m. Students will only have three classes on their high school campus. If needed students can take a high school online course for an additional class; the fee is waived for accelerated course. Transportation by the district can be provided.

Year/Semester	Course Name	High School Equivalent Course	Course Code	College Credits	Grade Level	Pre-requisite
1st Year/Fall	WLDG 1407 Intro to Welding Using Multiple Processes	Welding I A & Welding I B	WD11DA & WD11DB	4	11-12	None
	WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)			4		
	WLDG 1430 Introduction to Gas Metal Arc Welding (GMAW)			4		
	WLDG 1434 Introduction to Gas Tungsten Arc (GTAW) Welding			4		
	Total College Credits			**16**		
1st Year/Spring	WLDG 1353 Intermediate Layout and Fabrication	Welding II A & Welding II B	WD12DA & WD12DB	3	11-12	None
	WLDG 2447 Advanced Gas Metal Arc Welding (GMAW)			4		
	WLDG 2451 Advanced Gas Tungsten Arc Welding (GTAW)			4		
	WLDG 2435 Advanced Layout & Fabrication			4		
	Total College Credits			**15**		
2nd Year/Fall	WLDG 2443 Advanced Shielded Metal Arc Welding (SMAW)	Welding III - Practicum of Manufacturing & Welding IV - Practicum of Manufacturing	WD13DA & WD13DB	4	12	Welding I and II
	WLDG 2453 Advanced Pipe Welding			4		
	WLDG 2371 Advanced Welding in Aerospace Applications			3		
	SPCH 1321 Business and Professional Communication			3		
	Total College Credits			**14**		

WELDING I AND II
WLD11D and WLD12D (Junior year); WLD13D and WLD14D (Senior year)
Grade Placement: 11-12
Required Prerequisite: None
Recommended Prerequisite: None
High School Credit: 8 (4 each year)
College Credit: 45
Certification: Gas Metal Arc Welding, Gas Tungsten Arc Welding, Shielded Metal Arc Welding
This course is a two-year dual credit program designed to prepare students for certifications through the American Welding Society (AWS) or American Petroleum Institute (API). Students will receive training in three separate areas. The Gas Metal Arc Welding (GMAW) certificate program is designed to qualify students in the gas metal welding processes, and the Gas Tungsten Arc Welding (GTAW) certificate program is designed to qualify students in the gas tungsten welding processes on either plate or pipe in accordance with the AWS or the API welding procedures. The Shielded Metal Arc Welding (SMAW) certificate program is designed to qualify students in the shielded metal arc welding processes on either plate or pipe in accordance to the AWS or the API welding procedures.

Automotive Dual Credit

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. The Auto Body Technician Program prepares students for positions in the auto collision industry in the area of metal and structural repair. Courses include metal repair, frame repair, and major panel replacement. The Auto Body Painter Program leads to positions in the auto collision industry in the area of paint refinishing. Courses include surface preparation, overall refinishing, and paint mixing and tinting. Through both programs students receive training using lab modules, live projects, and cooperative work experience.

Possible careers in Automotive Technology include: Automotive Technician, Diesel Mechanic, Aviation Maintenance Mechanic, Automotive Sales and Service, Auto Body Repair Technician, Auto Body Repairman, Collision Repair Technician, Frame Man, Refinish Technician.

Please note that programs require students to complete the entire course sequence to earn the industry certifications. Automotive Technology classes meet at the Collin College Technical Campus in Allen, Monday through Thursday. Auto Collision classes meet at the Collin College Technical Campus in Allen, Monday and Wednesday. If needed students can take a high school online course for an additional class; the fee is waived for accelerated course. Transportation by the district can be provided.

Semester	Course Name	High School Equivalent Course	Course Code	College Credits	Grade Level	Pre-requisite
Automotive Technology						
Fall	AUMT 1305 Introduction to Automotive Technology	Automotive I	AUT11D	3	12	None
	AUMT 1307 Automotive Electrical Systems			3		
	AUMT 1310 Automotive Brake Systems			3		
Spring	AUMT 1316 Automotive Suspension and Steering	Automotive II	AUT12D	3		
	AUMT 2310 Service Consultant			3		
	AUMT 1319 Automotive Engine Repair			3		
			Total College Credits	**18**		
Auto Collison Technology						
Fall	ABDR 1315 Vehicle Trim and Hardware	Auto Collison 1 & Auto Collison 2	AUT8DA & AUT9DA	3	12	None
	ABDR 1307 Collison Repair Welding			3		
	ABDR 1455 Non- Structural Metal Repair			4		
	ABDR 2347 Advanced Collision Repair Welding			3		
Spring	ABDR 2402 Auto Body Mechanical and Electrical Service	Auto Collison 1 & Auto Collison 2	AUT8DB & AUT9DB	4	12	
	ABDR 2437 Structural Analysis and Damage Repair			4		
	ABDR 1291 Special Topics in Auto/Automotive Body Repairer			2		
	ABDR 2441 Major Collision Repair and Panel Replacement			4		
			Total College Credits	**27**		

AUTOMOTIVE TECHNOLOGY
AUT11D and AUT12D (Junior year); AUT13D and AUT14D (Senior year)
Grade Placement: 12
Required Prerequisite: None
Recommended Prerequisite: None
High School Credit: 4
College Credit: 18
Certification: Express Maintenance Technician Level 1 Certificate
This is a dual credit program designed to prepare students for careers in the automotive technology industry. Courses include basic shop safety, electrical/electronic theory, diagnosis, operation, servicing, repair of automotive climate control systems, repair of automotive axles, transfer cases, and manual/automatic transmission drivetrain components. Students receive training using lab modules, live projects, and cooperative work experience.

AUTO COLLISON
AUT8DA/AUT9DA and AUT8DB/AUT9DB
Grade Placement: 12
Required Prerequisite: None
Recommended Prerequisite: None
High School Credit: 4
College Credit: 27
This is a dual credit program designed to prepare students for careers in the automotive technology industry. Courses include metal repair, frame repair, major panel replacement, surface preparation, overall refinishing, and paint mixing and tinting. Students receive training using lab modules, live projects, and cooperative work experience.

Heating, Ventilation, Air Conditioning (HVAC) Dual Credit

The HVAC career field is under the Architecture and Construction Career Cluster. You will learn how to work safely and responsibly within Environmental Protection Agency guidelines and standards that apply to the HVAC industry, and identify and use HVAC equipment, components and tools, while understanding their functions within the industry. You will also learn common mechanical, electrical and electronic components such as compressors, switches, thermostats, motors and fans. You will even be able to practice all of the techniques you learn with heat pumps, heating units, a/c units, refrigeration units and more with hands-on instruction in Collin College facilities.

Please note some programs require students to complete the entire course of sequence to earn the industry certifications. Two-year programs should be started in students' junior year. If the student starts their senior year, they can finish the course of sequence after graduation. HVAC classes meet at the Collin College Technical Campus in Allen, Monday through Thursday, from 8:00 a.m.-11:50 a.m. Students will only have three classes on their high school campus. If needed students can take a high school online course for an additional class; the fee is waived for accelerated courses. Transportation by the district can be provided.

Year/Semester	Course Name	High School Equivalent Course	Course Code	College Credits	Grade Level	Pre-requisite
1st Year/Fall	HART 1401 Basic Electricity for HVAC	HVAC I	AC14DA & AC15DA	4	11-12	None
	HART 1407 Refrigeration Principles			4		
	HART 1441 Residential Air Conditioning			4		
	HART 1445 Gas and Electric Heating			4		
1st Year/Spring	HART 2431 Advanced Electricity for HVAC	HVAC I	AC16DB & AC17DB	4		
	HART 2438 Air Conditioning Installation and Startup			4		
	HART 2445 Residential Air Conditioning			4		
	HART 2349 Heat Pumps			3		
			Total College Credits	**31**		
2nd Year/Fall	HART 2341 Commercial Air Conditioning	HVAC II	AC18DA & AC19DA	3	12	HVAC I, meet TSIA ELAR/ Essay criteria by Spring
	HART 2442 Commercial Refrigeration			4		
	HART 2443 Industrial Air Conditioning			4		
	SPCH 1321 Business and Professional Communications			3		
			Total College Credits	**14**		

HVAC I and II
AC14DA, AC15DA, AC16DB, AC17DB (junior year) & AC18DA, AC19DA (senior year)
Grade Placement: 11-12
Required Prerequisite: None
Recommended Prerequisite: None
High School Credit: 4
College Credit: 45
Certification: HVAC Entry Level Certification, Level 1; HVAC Residential Servicing Certification, Level I; HVAC Commercial Servicing, Level 2

This course is a two-year dual credit program designed to prepare students for HVAC Level I and II Certificates. Students will learn how to work safely and responsibly within Environmental Protection Agency guidelines and standards that apply to the HVAC industry, and identify and use HVAC equipment, components and tools, while understanding their functions within the industry. Students will also learn common mechanical, electrical and electronic components such as compressors, switches, thermostats, motors, and fans.

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. 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, Floral Designer, Soil and Plant Scientist, Agricultural Lawyer, Animal Geneticist, Agriculture Education, Apiary work/beekeeper and Veterinarian.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
A $20 FFA fee is required in all agriculture science courses for the FFA affiliation fee. FFA is intracurricular and is required to be taught in all agriculture science courses.				
Principles of Agriculture, Food & Natural Resources[1]	AFN013	1	9	None; This course is a recommended prerequisite for all courses in the Agriculture, Food and Natural Resources Programs of Study
Students can take only one Agriculture Practicum				
Agricultural Technology and Mechanical Systems Program of Study Average salary range: $41,258 - $79,064 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Agricultural Mechanics & Metal Technologies[2] *IBC: AWS D1.1 Structural Steel*	AFN001	1	10-11	None; recommended Principles of Agriculture, Food, and Natural Resources with an 80 or higher
Agricultural Power Systems[3] *IBC: Principle of Small Engine Technology EETC Certified Technician, AWS D9.1 Sheet Metal Welding*	AFN002	2	11	**Agricultural Mechanics & Metal Technologies;** Principles of Agriculture, Food & Natural Resources, 80 or higher in Agricultural Mechanics & Metal Technologies
Agricultural Equipment Design and Fabrication[4] *IBC: AWS D9.1 Sheet Metal Welding*	AFN022	1	11-12	**Agricultural Mechanics & Metal Technologies**
Agricultural Technology - Practicum in Agriculture, Food & Natural Resources[4] *IBC: AWS D9.1*	AFN009	2	12	**Agricultural Power Systems**
Floral Design Program of Study Average salary range: $44,570 - $79,064 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Floral Design[3] (Fine Arts credit) *IBC: Texas State Florists' Association Knowledge Based Floral Certification*	AFN017	1	10-12	None
Advanced Floral Design[4] *IBC: Texas State Florist's Association Level I Floral Certification*	AFN019	1	11-12	**Floral Design**
Floral Design - Practicum in Agriculture, Food & Natural Resource[4] *IBC: Principles of Floral Design Certification*	AFN020	2	12	**Advanced Floral Design**
Veterinary Medicine/Animal Science Program of Study Average salary range: $33,581 - $125,030 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Equine Science[2*] *IBC: Equine Management & Evaluation Certification*	AFN004	.5	10-11	**Co-requisite: Small Animal Management**
Small Animal Management[2*]	AFN011	.5	10-11	**Co-requisite: Equine Science**
Livestock and Poultry Production[3*] *IBC: Feedyard Technician in Cattle Care and Handling*	AFN003	1	10-12	**A minimum of one course from the Agriculture, Food, and Natural Resources Career Cluster** (can take concurrently)
Veterinary Science[4] *IBC: Elanco Veterinary Medical Applications*	AFN005	1	11	**Livestock and Poultry Production** or **Small Animal Management *and* Equine Science**
Advanced Animal Science[4] (science credit) *IBC: Elanco Fundamentals of Animal Science*	AFN012	1	11-12	**Biology** and **Chemistry** (or IPC in place of Chemistry), **Algebra I** and **Geometry**, and either **Small Animal Management/Equine Science** or **Livestock and Poultry Production**
Veterinary Medicine - Practicum in Agriculture, Food & Natural Resources[4] *IBC: Certified Veterinary Assistant, Level 1*	AFN018	2	12	**Advanced Animal Science** (can take concurrently), **Veterinary Science**; rubric applies

*Livestock and Poultry Production cannot be taken in the same school year as Small Animal Management and Equine Science
Program of Study Level: Level [1], Level [2], Level [3], Level [4]

PRINCIPLES OF AGRICULTURE, FOOD & NATURAL RESOURCES
AFN013
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level:1
Industry-Based Certification: None
This course is recommended as a prerequisite for all agriculture courses.
In this course, students explore major areas of agriculture, food, and natural resources, including organizations, agribusiness leadership and communications, plant science, animal science, food science and technology, agricultural technology and mechanical systems, and environmental and natural resources.

AGRICULTURAL TECHNOLOGY AND MECHANICAL SYSTEMS PROGRAM OF STUDY

A $20 FFA fee is required in all agriculture science courses for the FFA affiliation fee. FFA is intracurricular and is required to be taught in all agriculture science courses.

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES
AFN001
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Agriculture, Food, and Natural Resources with an 80 or higher
Credit: 1
Program of Study Level: 2
Industry-Based Certification: AWS D1.1 Structural Steel
This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal-working techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. A lab fee of $85 is required for this course. Students are expected to earn the Industry-Based Certification.

AGRICULTURAL POWER SYSTEMS
AFN002
Grade Placement: 11
Required Prerequisite: Agricultural Mechanics & Metal Technologies
Recommended Prerequisite: Principles of Agriculture, Food & Natural Resources, 80 or higher in Agricultural Mechanics & Metal Technologies
Credit: 2
Program of Study Level: 3
Industry-Based Certification: Principle of Small Engine Technology, AWS D9.1 Sheet Metal Welding
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. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and 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. A lab fee of $120 is required for this course to assist in covering the cost of materials and supplies. Students are expected to earn the Industry-Based Certification.

AGRICULTURAL EQUIPMENT DESIGN AND FABRICATION
AFN022
Grade Placement: 11-12
Required Prerequisite: Agricultural Mechanics & Metal Technologies
Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource
Credit: 1
Program of Study Level: 4
Industry-Based Certification: AWS D9.1 Sheet Metal Welding
In this course, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. A lab fee of $100 is required for this course to assist in covering the cost of materials and supplies. Students are expected to earn the Industry-Based Certification.

AGRICULTURAL TECHNOLOGY - PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCES
AFN009
Grade Placement: 12
Required Prerequisite: Agricultural Power Systems
Recommended Prerequisite: Agricultural Equipment Design and Fabrication
Credit: 2
Program of Study Level: 4
Industry-Based Certification: AWS D9.1
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, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic knowledge and skills, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Agriculture, Food and Natural Resources cluster. Students must provide their own transportation to the employment location. A lab fee of $120 is required for this course to assist in covering the cost of materials and supplies. Students are expected to earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

FLORAL DESIGN PROGRAM OF STUDY

A $20 FFA fee is required in all agriculture science courses for the FFA affiliation fee. FFA is intracurricular and is required to be taught in all agriculture science courses. A lab fee of $65 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
Program of Study Level: 3
Industry-Based Certification: Texas State Florists' Association Knowledge Based Floral Certification
This course fulfills the state requirement for a fine arts credit.
This course is designed to develop students' ability to identify and demonstrate the elements and principles of 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 develop respect for the traditions of and appreciation for the contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic knowledge and skills, 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 need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Students are expected to earn the Industry-Based Certification.

ADVANCED FLORAL DESIGN
AFN019
Grade Placement: 11-12
Required Prerequisite: Floral Design
Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource
Credit: 1
Program of Study Level: 4
Industry-Based Certification: Texas State Florist's Association Level I Floral Certification
In this course, students gain advanced knowledge and skills specifically needed to enter the workforce as floral designers or as freelance floral event designers, with an emphasis on specialty designs and occasion-specific designs and planning. Students are also prepared to enter postsecondary certification or degree programs in floral design or special events design. Students build on the knowledge base from Floral Design and are introduced to more advanced floral design concepts. In addition, students gain knowledge of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of an occasion or event. Students are expected to earn the Industry-Based Certification.

FLORAL DESIGN - PRACTICUM IN AGRICUTLURE, FOOD & NATURAL RESOURCE
AFN020
Grade Placement: 12
Required Prerequisite: Advanced Floral Design
Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Principles of Floral Design Certification
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, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic knowledge and skills, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Agriculture, Food and Natural Resources cluster. Students must provide their own transportation to the employment location. Students are expected to earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

VETERINARY MEDICINE/ANIMAL SCIENCE PROGRAM OF STUDY

A $20 FFA fee is required in all agriculture science courses for the FFA affiliation fee. FFA is intracurricular and is required to be taught in all agriculture science courses.

EQUINE SCIENCE
AFN004
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources
Co-requisite: Small Animal Management
Credit: .5
Program of Study Level: 2
Industry-Based Certification: Equine Management & Evaluation Certification
In this course, students acquire knowledge and skills related to the equine industry. Equine Science may address topics related to horses, donkeys, and mules. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to equine systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Students are expected to earn the Industry-Based Certification.

SMALL ANIMAL MANAGEMENT
AFN011
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources
Co-requisite: Equine Science
Credit: .5
Program of Study Level: 2
Industry-Based Certification: None
In this course, students acquire knowledge and skills related to the small animal management industry. Small Animal Management may address topics related to small animals such as dogs and cats, rabbits, pocket pets, amphibians, reptiles, and birds. To prepare for careers in the field of animal science, students must enhance academic knowledge and skills, acquire knowledge and skills related to small animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings.

LIVESTOCK AND POULTRY PRODUCTION
AFN003
Grade Placement: 10-12
Required Prerequisite: A minimum of one course from the Agriculture, Food, and Natural Resources Career Cluster (can take concurrently)
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources
Credit: 1
Program of Study Level: 3
Industry-Based Certification: Feedyard Technician in Cattle Care and Handling
In this course, students acquire knowledge and skills related to the livestock and poultry production industry. Livestock and Poultry Production may address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to livestock and poultry systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Students are expected to earn the Industry-Based Certification.

VETERINARY SCIENCE
AFN005
Grade Placement: 11
Required Prerequisite: Livestock and Poultry Production or Small Animal Management and Equine Science
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources
Credit: 1
Program of Study Level: 4
Industry-Based Certification: Elanco Veterinary Medical Applications
Veterinary Science covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. A lab fee of $50 is required for this course to assist in covering the cost of materials and supplies. Students are expected to earn the Industry-Based Certification.

ADVANCED ANIMAL SCIENCE
AFN012
Grade Placement: 11-12
Required Prerequisite: Biology, Chemistry or IPC, and Algebra I and Geometry, and either Small Animal Management/Equine Science, or Livestock and Poultry Production
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources
Credit:1
Program of Study Level: 4
Industry-Based Certification: Elanco Fundamentals of Animal Science
This course fulfills the state requirement for a science credit.
This course examines the interrelatedness of human, scientific, and technological dimensions of animal production, including canine, feline, bovine, equine, caprine, porcine, ovine, poultry, and Lagomorpha production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. Students are expected to earn the Industry-Based Certification. Priority seating will be given to students in the Animal Science Program of Study.

VETERINARY MEDICINE - PRACTICUM IN AGRICULTURE, FOOD & NATURAL RESOURCE
AFN018
Grade Placement: 12
Required Prerequisite: Advanced Animal Science (can take concurrently), Veterinary Science; rubric applies
Recommended Prerequisite: Principles of Agricultural, Food and Natural Resources, Veterinary Medical Applications
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Certified Veterinary Assistant, Level 1
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, assistantships, mentorships, or laboratories. To prepare for careers in agriculture, food, and natural resources, students must attain academic knowledge and skills, acquire technical knowledge and skills related to the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in Agriculture, Food and Natural Resources cluster. Students must provide their own transportation to the employment location. A lab fee of $50 is required for this course to assist in covering the cost of materials and supplies. Students are expected to earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

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 *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Architecture Drafting and Design Program of Study Average salary range: $58,539 - $98,294 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Principles of Architecture[1]	ARC007	1	9	None
Architectural Design I[2]	ARC010	1	10-11	**Algebra I, English I, Geometry** (Geometry can be taken concurrently); Principles of Architecture with an 80 or higher
Architectural Design II[3] *IBC: Autodesk Certified User Revit*	ARC004	2	11-12	**Architectural Design I**; recommended grade of 80 or higher in Architectural Design I
Practicum in Architectural Design[4]	ARC005	2	12	**Architectural Design II**; recommended grade of 80 or higher in Architectural Design II and pass REVIT Certification

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

ARCHITECTURE DRAFTING AND DESIGN PROGRAM OF STUDY

PRINCIPLES OF ARCHITECTURE
ARC007
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
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: Algebra I, English I, Geometry (Geometry can be taken concurrently)
Recommended Prerequisite: Principles of Architecture with an 80 or higher
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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. Scheduling priority will be given to students who have earned an 80 or higher in Principles of Architecture.

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
Credit: 2
Program of Study Level: 3
Industry-Based Certification: Autodesk Certified User Revit
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 postsecondary 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 production of drawings, renderings, and scaled models for commercial or residential architectural purposes. Students are expected to earn the Industry-Based Certification.

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
Program of Study Level: 4
Industry-Based Certification: None
This course provides students with a ten hour or more paid or unpaid internship arrangement between the high school and the architectural industry. It provides seniors with a professional internship experience. Students recognize the value of effective work ethics and attitudes and develop communication and problem-solving skills. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

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

The Arts, Audio/Video Technology and Communications career areas include the mastery and use of computer or other technology along with individual creativity. This area includes film production and editing, visual design based around print and digital graphics in communication, animation, journalism, photography, illustration, as well as, fashion design 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 *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Principles of Arts, Audio/Video Technology and Communications[1]	ATC005	1	9	None; recommended prerequisite for all courses in the AAVTC Programs of Study
Digital Art and Animation[3*] (Fine Arts Credit) *IBC: Adobe Photoshop Professional Certification*	ATC014	1	10-12	None
Animation Program of Study Average salary range: $53,100 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Animation I[2]	ATC001	1	10-11	None
Animation II with Lab[3] *IBC: Adobe Certified Professional in Visual Effects and Motion Graphics using Adobe After Effects*	ATC035	2	11-12	**Animation I**; recommended grade of an 80 or above in Animation I
Practicum in Animation[4]	ATC054	2	12	**Animation II** with Lab
Audio Video Production Program of Study Average salary range: $53,100 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Professional Communications[1]	SPCA02	.5	10-12	None
Audio/Video Production I [2]	ATC016	1	10-12	None
Audio/Video Production II with Lab[3] *IBC: Adobe Certified Professional in Digital Video using Adobe Premiere Pro*	ATC30C	2	11-12	**Audio/Video Production I;** recommended grade of 80 or above in Audio/Video Production I
Practicum in Audio/Video Production[4] *IBC: Adobe Certified Professional in Visual Effects and Motion Graphics using Adobe After Effects*	ATC10C	2	12	**Audio/Video Production II with Lab**; recommended grade of an 80 or above in Audio/Video Production II with Lab
Fashion Design Program of Study Average salary range: $53,100 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Fashion Design I[2]	ATC023	1	9	None
Fashion Design II with Lab[3]	ATC032	2	10-11	**Fashion Design I**; recommended grade of an 80 or above in Fashion I
Practicum in Fashion Design I[4]	ATC012	2	11-12	**Fashion Design II with Lab**; recommended grade of an 80 or above in Fashion II with Lab
Practicum in Fashion Design II[4]	ATC013	2	12	**Practicum in Fashion Design I**
Graphic Design and Illustration Program of Study Average salary range: $53,100 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Graphic Design and Illustration I[2] *IBC: Certified Professional in Visual Design using Adobe Photoshop*	ATC009	1	10-12	None
Graphic Design and Illustration II with Lab[3] *IBC: Adobe Certified Professional in Graphic Design & Illustration using Adobe Illustrator*	ATC033	2	11-12	**Graphic Design and Illustration I**; recommended grade of an 80 or above in Graphic Design and Illustration I
Practicum in Graphic Design and Illustration[4] *IBC: Certified Professional in Print & Digital Media Publication using Adobe InDesign*	ATC034	2	12	**Graphic Design and Illustration II with Lab**; recommended grade of an 80 or above in Graphic Design and Illustration II with Lab

Programs of Study continued on the next page

Business and Industry Endorsement
Arts, Audio/Video Technology, and Communications (AAVTC) Career Cluster (Cont'd)

Course Name *Industry-Based Certification (IBC) Name*	Course Code	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)
Commercial Photography Program of Study Average salary range: $53,100- $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Commercial Photography I[2]	ATC038	1	10-12	None
Commercial Photography II with Lab[3] *IBC: Certified Professional in Visual Design using Adobe Photoshop*	ATC040	2	11-12	**Commercial Photography I**; recommended grade an 80 or above in Commercial Photography I
Practicum in Commercial Photography[4]	ATC045	2	12	**Commercial Photography II with Lab, teacher recommendation**
Video Game Design Program of Study Average salary range: $53,100 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Video Game Design[1]	ATC008	1	10-11	**Principles of Arts, Audio/Video Technology and Communications or Digital Art and Animation** (can take concurrently)
Video Game Programming[2]	ATC039	1	11-12	**Video Game Design**
Advanced Video Game Programming[3] *IBC: Unity Certified Programmer*	ATC055	1	12	**Video Game Programming**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]
*Digital Art and Animation is not a part of the Audio Video Program of study.

PRINCIPLES OF ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS
ATC005
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
This course is recommended as a prerequisite for all Arts, Audio/Video Technology, and Communication Courses. 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, and Video Game Design. This course builds 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.

DIGITAL ART AND ANIMATION
ATC014
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: Adobe Photoshop Professional Certification
This course fulfills the state requirement for a fine arts credit.
This course is the gateway into the world of design and animation. Students will explore the fundamental building blocks of design and see how they apply to both class projects and the impressive work of master artists in the field. Students will use Adobe programs to enhance their knowledge and skills. Students are expected to earn the Industry-Based Certification. This course is not part of the Audio Video Production Program of Study.

ANIMATION PROGRAM OF STUDY

ANIMATION I
ATC001
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications or Digital Art and Animation
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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: Grade of an 80 or above in Animation I
Credit: 2
Program of Study Level: 3
Industry-Based Certification: Adobe Certified Professional in Visual Effects and Motion Graphics using Adobe After Effects
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. Students are expected to earn the Industry-Based Certification.

PRACTICUM IN ANIMATION
ATC054
Grade Placement: 12
Required Prerequisite: Animation II with Lab
Recommended Prerequisite: Grade of 80 or above in Animation II
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
Careers in animation span all aspects of the arts, audio/video technology, and communication industry. Building upon the concepts taught in Animation II with Lab, in addition to developing advanced technical knowledge and the 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. Students are expected to earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to retake it in Practicum.

AUDIO VIDEO PRODUCTION PROGRAM OF STUDY

PROFESSIONAL COMMUNICATIONS
SPCA02
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: None
Credit: .5
Program of Study Level: 1
Industry-Based Certification: None
This course can be applied to all Arts, Audio/Video Technology, and Communication 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.

AUDIO/VIDEO PRODUCTION I
ATC016
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications or Digital Art and Animation
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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 will focus on The Buzz at RHS and Southside News at RHHS.

AUDIO/VIDEO PRODUCTION II WITH LAB
ATC30C
Grade Placement: 11-12
Required Prerequisite: Audio/Video Production I
Recommended Prerequisite: Grade of an 80 or above in Audio/Video Production I
Credit: 2
Program of Study Level: 3
Industry-Based Certification: Adobe Certified Professional in Digital Video using Adobe Premiere Pro
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, critical thinking, problem-solving, communication, and collaborative skills. Requiring a lab for the course affords the 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. Students are expected to earn the Industry-Based Certification.

PRACTICUM IN AUDIO/VIDEO PRODUCTION
ATC10C
Grade Placement: 12
Required Prerequisite: Audio/Video Production II with Lab
Recommended Prerequisite: Grade of an 80 or above in Audio/Video Production II with Lab
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Adobe Certified Professional in Visual Effects and Motion Graphics using Adobe After Effects
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 with practical application of previously studied audio/video knowledge and experience in a lab-based experience. Students are expected to earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to retake it in Practicum.

FASHION DESIGN PROGRAM OF STUDY

Student will be responsible for purchasing some patterns and fabric.

FASHION DESIGN I
ATC023
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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. A lab fee of $25 is required for this course to assist in covering the cost of materials and supplies.

FASHION DESIGN II WITH LAB
ATC032
Grade Placement: 10-11
Required Prerequisite: Fashion Design I
Recommended Prerequisite: grade of an 80 or above in Fashion I
Credit: 2
Program of Study Level: 3
Industry-Based Certification: None
This course focuses on advanced knowledge and skills in fashion, apparel, construction, care, and maintenance, as well as an 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: grade of an 80 or above in Fashion II with Lab
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
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 communication and problem-solving skills. This course is for those individuals who 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
Program of Study Level: 4
Industry-Based Certification: None
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 who 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: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications or Digital Art and Animation
Credit: 1
Program of Study Level: 2
Industry-Based Certification: Certified Professional in Visual Design using Adobe Photoshop
Provides students with the opportunity to explore careers in graphic design and illustration, and related industries of advertising and visual communications. 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 design documents and multimedia products. Students are expected to earn the Industry-Based Certification.

GRAPHIC DESIGN AND ILLUSTRATION II WITH LAB
ATC033
Grade Placement: 11-12
Required Prerequisite: Graphic Design and Illustration I
Recommended Prerequisite: Grade of an 80 or above in Graphic Design and Illustration I
Credit: 2
Program of Study Level: 3
Industry-Based Certification: Adobe Certified Professional in Graphic Design & Illustration using Adobe Illustrator
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, communication, organization, and portfolio building. Students will be able to apply mastery skills in creating all aspects of Visual Design, as well as, earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to retake it in Practicum.

PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION
ATC034
Grade Placement: 12
Required Prerequisite: Graphic Design and Illustration II with Lab
Recommended Prerequisite: Grade of an 80 or above in Graphic Design and Illustration II with Lab
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Certified Professional in Print & Digital Media Publication using Adobe InDesign
This course is designed to provide students practical application of previously studied graphic design knowledge and a lab-based experience. Students recognize the value of effective work ethics, develop communication and problem-solving skills, organization, collaboration, portfolio building, and apply mastery skills in industry ready designs. Students are expected to earn the Industry-Based Certification. Any students who have not earned the previous course certification will be required to retake it in Practicum.

COMMERCIAL PHOTOGRAPHY PROGRAM OF STUDY

COMMERCIAL PHOTOGRAPHY I
ATC038
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Arts, Audio/Video Technology and Communications or Digital Art and Animation
Credit 1
Program of Study Level: 2
Industry-Based Certification: None
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, editing in photography software, as well as, being able to produce a story based on photo experiences.

COMMERCIAL PHOTOGRAPHY II WITH LAB
ATC040
Grade Placement: 11-12
Required Prerequisite: Commercial Photography I
Recommended Prerequisite: Grade 80 or above in Commercial Photography I
Credit 2
Program of Study Level: 3
Industry-Based Certification: Certified Professional in Visual Design using Adobe Photoshop
Careers in commercial photography span all aspects of the industry, from setting up a shot to delivering products in a competitive market. 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 technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional, quality photographs. Students are expected to earn the Industry-Based Certification.

PRACTICUM IN COMMERCIAL PHOTOGRAPHY
ATC045
Grade Placement: 12
Required Prerequisite: Commercial Photography II, teacher recommendation
Recommended Prerequisite: None
Credit 2
Program of Study Level: 4
Industry-Based Certification: None
Careers in commercial photography span all aspects of the industry, from setting up a shot to delivering products in a competitive market. 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 technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional, quality photographs. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

VIDEO GAME DESIGN PROGRAM OF STUDY

VIDEO GAME DESIGN
ATC008
Grade Placement: 10-11
Required Prerequisite: Principles Arts, Audio/Video Technology, and Communications or Digital Art and Animation
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
Video Game Design will provide students with a horizontal cross-section of the game design and development process. Students will explore all the different aspects of video game production, including: game, systems, and level design, digital art and animation, sound and music production, programming, marketing, journalism, team and project management, collaboration, and presentations. Students will gain knowledge in software such as Unity, Adobe Photoshop, and Audacity in order to create original assets for their video game projects, including music, sound effects, animations, and 2D textures. At the end of the year, student-led teams will conceptualize and create a game in an emulation of a real-world video game production environment, concluding with a showcase event for friends and family to playtest their games.

VIDEO GAME PROGRAMMING
ATC039
Grade Placement: 11-12
Required Prerequisite: Video Game Design
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
Video Game Programming will leverage the foundation obtained in Video Game Design to build fun, exciting games and then expand upon that knowledge to build more refined products in both 3D and 2D development projects. Students in this course will be expected to learn basic to intermediate computer programming concepts and will be using software such as Unity, Blender, Adobe Photoshop, and Audacity. Through the course, students will decide on their focus in the game industry and will apply for roles and work under advanced students in a long-term mock studio environment. The course concludes with a showcase event for friends and family to playtest their games.

ADVANCED VIDEO GAME PROGRAMMING
ATC055
Grade Placement: 12
Required Prerequisite: Video Game Programming
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: Unity Certified Programmer
Advanced Video Game Programming students will be introduced to advanced design and programming using Unity. Time will be spent learning basic programming concepts with Unity and other industry-standard game development software. Time will be spent learning programming and working with Unity to gain experience in their chosen focus. Students engage in short to long-term independent research projects in which they must manage their time effectively as a group to create games under strict deadlines. Students must brainstorm their ideas and develop them from concept art and design documents to 3D models and programmed mechanics. Based on their focus, students will delve deeper into programs such as Blender, Audacity, and Unity to start building a professional portfolio. Through this course, students will interview and form a team from the non-advanced students, and lead them through a mock studio project that concludes in a showcase night for friends and family to playtest their games. Students are expected to earn the Industry-Based Certification.

Business and Industry Endorsement
Business, Marketing, and Finance Career Cluster

This comprehensive cluster provides students with meaningful courses for business, marketing, entrepreneurship, finance, and real estate while being flexible and adaptable to the needs of the 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.

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, Public Relations and Media, Product Development, Demand Forecasting, Supply Chain Integration, Customer Service, Global Sourcing Project Management, International Travel or Convention Management, Real Estate Agent, Property and Community Association Managers, Title Examiners, Abstractors and Searchers.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Principles of Business, Marketing, and Finance[1]	BMA002	1	9-10	None; recommended prerequisite for all courses in the Business, Marketing, and Finance Programs of Study
Accounting and Financial Services Program of Study Average salary range: $47,801 - $81,658 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Money Matters[1]	BMA012	1	10-12	None
Accounting I[2] *IBC: Accounting Foundations*	BMA010	1	10-12	None
Accounting II[3] (math credit)	BMA011	1	11-12	**Accounting I;** recommended students have an 80 or higher in the previous Program of Study course
Entrepreneurship[2] *IBC: Entrepreneurship and Small Business*	MAR003	1	11-12	Principles of Business, Marketing, & Finance
Financial Mathematics[2] (math credit)	BMA016	1	11-12	**Algebra I**
Practicum in Business Management[4]	BMA008	2	12	**Accounting I**; recommended students have an 80 or higher in the previous Program of Study course
Career Preparation for Program of Study[4]	BMA020	2	12	**One level 2 or higher CTE course**
Business Management Program of Study Average salary range: $61,735 - $96,046 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Foundations of Business Communication and Technologies[1]	BMA003	1	10-12	None
Business Communication and Technologies II[2] *IBC: Microsoft Office Specialist: Microsoft Word Expert*	BMA021	1	11-12	**Foundations of Business Communication and Technologies**
Business Management[3] *IBC: General Management*	BMA013	1	10-11	Principles of Business, Marketing, and Finance or Foundations of Business, Communication, and Technologies
Virtual Business[2]	BMA006	.5	11-12	**Co-requisite: Human Resource Management**; recommended Business Management with grade of 80 or higher
Human Resource Management[3]	BMA005	.5	11-12	**Co-requisite: Virtual Business**; recommended Business Management with grade of 80 or higher
Entrepreneurship[2] *IBC: Entrepreneurship and Small Business*	MAR003	1	11-12	Principles of Business, Marketing, & Finance
Statistics & Business Decision-Making[4] (math credit)	BMA014	1	11-12	**Algebra II**
Practicum in Business Management[4]	BMA008	2	12	**Business Management or Virtual Business and Human Resource Management**; recommended students have an 80 or higher in the previous Program of Study course
Career Preparation for Program of Study[4]	BMA020	2	12	**One level 2 or higher CTE course**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

Programs of Study continued on the next page

Business and Industry Endorsement
Business, Marketing, and Finance Career Cluster (Cont'd)

Course Name *Industry-Based Certification (IBC) Name*	Course Code	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)
Entrepreneurship Program of Study Average salary range: $95,756 - $160,586 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Entrepreneurship[2] *IBC: Entrepreneurship and Small Business*	MAR003	1	11-12	Principles of Business, Marketing, & Finance
Statistics & Business Decision-Making[4] (math credit)	BMA014	1	11-12	**Algebra II**
Career Preparation for Program of Study[4]	BMA020	2	12	**One level 2 or higher CTE course**
Marketing and Sales Program of Study Average salary range: $60,701 - $127,559 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Sports & Entertainment Marketing[2]	MAR008	.5	10-11	**Co-requisite: Social Media Marketing**
Social Media Marketing[3]	MAR011	.5	10-11	**Co-requisite: Sports & Entertainment Marketing**
Entrepreneurship[2] *IBC: Entrepreneurship and Small Business*	MAR003	1	11-12	Principles of Business, Marketing, & Finance
Statistics & Business Decision-Making[4] (math credit)	BMA014	1	11-12	**Algebra II**
Practicum in Marketing[4]	MAR009	2	12	**Sports & Entertainment Marketing and Social Media Marketing or Entrepreneurship**; recommended students have an 80 or higher in the previous Program of Study course
Career Preparation for Program of Study[4]	BMA020	2	12	**One level 2 or higher CTE course**
Real Estate Program of Study Average salary range: $48,450 - $51,030 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Commercial Lending and Real Estate[4] (Starting 2027-2028 school year, pending TEA)	BMA019	1	10-11	None
Fundamentals of Real Estate[3] *IBC: Real Estate Sales Agent License*	BMA018	2	11	None; recommended Principles of Business, Marketing, and Finance, Commercial Lending and Real Estate Must also take Practicum in Business Management-RE senior year
Financial Mathematics[2] (math credit)	BMA016	1	11-12	**Algebra 1**
Practicum in Business Management-RE[4]	BMA022	2	12	**Fundamentals of Real Estate**; recommended students have an 80 or higher in the previous Program of Study course

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE
BMA002
Grade Placement: 9-10
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
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.

ACCOUNTING AND FINANCIAL SERVICES PROGRAM OF STUDY

MONEY MATTERS
BMA012
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
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, and Finance
Credit: 1
Program of Study Level: 2
Industry-Based Certification: Accounting Foundations
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 are expected to earn the Industry-Based Certification.

ACCOUNTING II
BMA011
Grade Placement: 11-12
Required Prerequisite: Accounting I
Recommended Prerequisite: Students should have an 80 or higher in the previous Program of Study course
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
This course meets the requirements for an advanced math credit. This course is designed for students in the business endorsement program of study. 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. Any students who have not earned the previous course certification will be required to retake it in this course.

FINANCIAL MATHEMATICS
BMA016
Grade Placement: 11-12
Required Prerequisite: Algebra I
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
This course meets graduation requirements for an advanced math 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.

PRACTICUM IN BUSINESS MANAGEMENT
BMA008
Grade Placement: 12
Required Prerequisite: Accounting I
Recommended Prerequisite: Students should have an 80 or higher in the previous Program of Study course
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
Designed to give students supervised practical application of previously studied knowledge and skills. This course requires the student to secure a paid or unpaid career preparation worksite. 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 postsecondary 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.

CAREER PREPARATION FOR PROGRAM OF STUDY
BMA020
Grade Placement: 12
Required Prerequisite: One level 2 or higher CTE course
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
This course provides additional opportunities for students to develop business and industry employment experiences, which must be related to the student's current program of study, alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Preparation for Programs of Study expands on Career Preparation General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success. A completed training plan agreement must be submitted the first week of school. Students must work an average of 10+ hours per week in a paid position during the entire school year.

BUSINESS MANAGEMENT PROGRAM OF STUDY

FOUNDATIONS OF BUSINESS COMMUNICATION AND TECHNOLOGIES
BMA003
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
In Foundations of Business, Communication, and Technologies, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations. Students are expected to master the Industry-Based Certification.

BUSINESS COMMUNICATION AND TECHNOLOGIES II
BMA021
Grade Placement: 11-12
Required Prerequisite: Foundations of Business Communication and Technologies
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 2
Industry-Based Certification: Microsoft Office Specialist: Microsoft Word Expert
In Business Communication and Technologies, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

BUSINESS MANAGEMENT
BMA013
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance or Foundations of Business, Communication, and Technologies
Credit: 1
Program of Study Level: 3
Industry-Based Certification: General Management
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. Students are expected to earn the Industry-Based Certification.

VIRTUAL BUSINESS
BMA006
Grade Placement: 11-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Co-Requisite: Human Resource Management
Credit: .5
Program of Study Level: 2
Industry-Based Certification: None
Virtual Business is designed for students to start a virtual business by creating a web presence, conducting online and offline marketing, examining contracts appropriate for an online business, and demonstrating project-management skills. Students will also demonstrate bookkeeping skills for a virtual business, maintain business records, and understand legal issues associated with a virtual business.

HUMAN RESOURCE MANAGEMENT
BMA005
Grade Placement: 11-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Co-Requisite: Virtual Business
Credit: .5
Program of Study Level: 3
Industry-Based Certification: None
Human Resources Management is designed to familiarize students with the concepts related to human resource management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

STATISTICS & BUSINESS DECISION-MAKING
BMA014
Grade Placement: 11-12
Required Prerequisite: Algebra II
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
This course meets the requirements for an advanced math credit. This course does not meet NCAA eligibility requirements.
In this course, students will develop the skills to apply statistical and mathematical tools to explore and analyze data. They will learn how to identify trends and patterns, discover outliers, and use these insights to make data-driven decisions that solve real-world business problems. 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. Students will gain a comprehensive understanding of how statistical analysis is integrated into the five principal functions of business to minimize exposure to risk and optimize operational efficiency. Students gain the confidence and practical skills to successfully navigate career exploration, interviews, networking, and professional business etiquette.

PRACTICUM IN BUSINESS MANAGEMENT
BMA008
Grade Placement: 12
Required Prerequisite: Business Management or Virtual Business and Human Resource Management
Recommended Prerequisite: Students should have an 80 or higher in the previous Program of Study course
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
Designed to give students supervised practical application of previously studied knowledge and skills. This course requires the student to secure a paid or unpaid career preparation worksite. 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 postsecondary 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. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

CAREER PREPARATION FOR PROGRAM OF STUDY
BMA020
Grade Placement: 12
Required Prerequisite: One level 2 or higher CTE course
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
This course provides additional opportunities for students to develop business and industry employment experiences, which must be related to the student's current program of study, alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Preparation for Programs of Study expands on Career Preparation General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success. A completed training plan agreement must be submitted the first week of school. Students must work an average of 10+ hours per week in a paid position during the entire school year.

ENTREPRENEURSHIP PROGRAM OF STUDY

ENTREPRENEURSHIP
MAR003
Grade Placement: 11-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, & Finance
Credit: 1
Program of Study Level: 2
Industry-Based Certification: Entrepreneurship and Small Business
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 the 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. Students are expected to earn the Industry-Based Certification.

STATISTICS & BUSINESS DECISION-MAKING
BMA014
Grade Placement: 11-12
Required Prerequisite: Algebra II
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
This course meets the requirements for an advanced math credit. This course does not meet NCAA eligibility requirements.
In this course, students will develop the skills to apply statistical and mathematical tools to explore and analyze data. They will learn how to identify trends and patterns, discover outliers, and use these insights to make data-driven decisions that solve real-world business problems. 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. Students will gain a comprehensive understanding of how statistical analysis is integrated into the five principal functions of business to minimize exposure to risk and optimize operational efficiency. Students gain the confidence and practical skills to successfully navigate career exploration, interviews, networking, and professional business etiquette.

CAREER PREPARATION FOR PROGRAM OF STUDY
BMA020
Grade Placement: 12
Required Prerequisite: One level 2 or higher CTE course
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
This course provides additional opportunities for students to develop business and industry employment experiences, which must be related to the student's current program of study, alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Preparation for Programs of Study expands on Career Preparation General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success. A completed training plan agreement must be submitted the first week of school. Students must work an average of 10+ hours per week in a paid position during the entire school year.

MARKETING, SALES, AND ENTREPRENEURSHIP PROGRAM OF STUDY

SPORTS & ENTERTAINMENT MARKETING
MAR008
Grade Placement: 10-11
Required Prerequisite: None
Co-requisite: Social Media Marketing
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: .5
Program of Study Level: 2
Industry-Based Certification: None
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 with 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
Co-requisite: Sports & Entertainment Marketing
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: .5
Program of Study Level: 3
Industry-Based Certification: None
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
Program of Study Level: 2
Industry-Based Certification: Entrepreneurship and Small Business
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 the 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. Students are expected to earn the Industry-Based Certification.

STATISTICS & BUSINESS DECISION-MAKING
BMA014
Grade Placement: 11-12
Required Prerequisite: Algebra II
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
This course meets the requirements for an advanced math credit. This course does not meet NCAA eligibility requirements.
In this course, students will develop the skills to apply statistical and mathematical tools to explore and analyze data. They will learn how to identify trends and patterns, discover outliers, and use these insights to make data-driven decisions that solve real-world business problems. 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. Students will gain a comprehensive understanding of how statistical analysis is integrated into the five principal functions of business to minimize exposure to risk and optimize operational efficiency. Students gain the confidence and practical skills to successfully navigate career exploration, interviews, networking, and professional business etiquette.

PRACTICUM IN MARKETING
MAR009
Grade Placement: 12
Required Prerequisite: Sports & Entertainment Marketing and Social Media Marketing or Entrepreneurship
Recommended Prerequisite: Students should 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
Program of Study Level: 4
Industry-Based Certification: None
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. Students must provide their own transportation to the employment location. Any students who has not earned the previous course certification will be required to take/retake it in Practicum.

CAREER PREPARATION FOR PROGRAM OF STUDY
BMA020
Grade Placement: 12
Required Prerequisite: One level 2 or higher CTE course
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
This course provides additional opportunities for students to develop business and industry employment experiences, which must be related to the student's current program of study, alongside advanced classroom instruction. The goal is to prepare students with a variety of skills to transition from job- to career-mindedness. This course provides a continuing focus on collaborative feedback between the employer, teacher, and student. Career Preparation for Programs of Study expands on Career Preparation General by increasing rigor, supporting student attainment of academic standards, and effectively preparing students for college and career success. A completed training plan agreement must be submitted the first week of school. Students must work an average of 10+ hours per week in a paid position during the entire school year.

REAL ESTATE PROGRAM OF STUDY

COMMERCIAL LENDING AND REAL ESTATE (starting 2027-2028 school year, pending TEA)
BMA019
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credits: 1
Program of Study Level: 4
Industry-Based Certification: None
This course covers the process of making commercial loans and managing customer relationships after the loan is approved. This is a new course being developed by TEA for the Real Estate program of study.

FUNDAMENTALS OF REAL ESTATE
BMA018
Grade Placement: 11
Required Prerequisite: None
Recommended Prerequisite: Principles of Business, Marketing, and Finance or Commercial Lending and Real Estate
Credits: 2
Program of Study Level: 3
Industry-Based Certification: Real Estate Sales Agent License
This course contains the curriculum necessary to complete the pre-licensure education requirements of the Texas Real Estate Commission (TREC) to obtain a real estate salesperson license. Includes the following TREC course materials: Principles of Real Estate I and II, Law of Contracts, Law of Agency, Real Estate Finance, and Promulgated Contract Forms. Students must be 18 years old to obtain certification. There is an associated fee of $100 for this course. Students are expected to earn the Industry-Based Certification.

Students pursuing a pathway in Real Estate are committing to complete both Fundamentals of Real Estate and Practicum in Business Management – RE, as well as, the real estate license. This coherent sequence of courses is designed to prepare students for entry into the real estate profession.

FINANCIAL MATHEMATICS
BMA016
Grade Placement: 11-12
Required Prerequisite: Algebra I
Recommended Prerequisite: Principles of Business, Marketing, and Finance
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
This course meets graduation requirements for an advanced math 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.

PRACTICUM IN BUSINESS MANAGEMENT-RE
BMA022
Grade Placement: 12
Required Prerequisite: Fundamentals of Real Estate
Recommended Prerequisite: Students should have an 80 or higher in the previous Program of Study course
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
Designed to give students supervised practical application of previously studied knowledge and skills. This course requires the student to secure a paid or unpaid career preparation worksite. 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 postsecondary 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. Any students who has not earned the previous course certification will be required to take/retake it in Practicum.

Business and Industry Endorsement
Engineering 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 *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Engineering Foundations Program of Study Average salary range: $60,297 - $103,189 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Engineering Design Process[1]	STE018	1	9-10	**Algebra I** (can be taken concurrently)
Robotics 1[2]	STE003	1	9-11	None
Engineering Design & Presentation[3]	STE002	1	10-11	**Algebra I** (can be taken concurrently), **at least 1 credit from the Engineering career cluster** (can be taken concurrently)
Applied Physics[1] (Physics Credit)	STE010	1	10-12	**Algebra I, one of the following: Chemistry, IPC, or Physics**
Advanced Engineering Design & Presentation[4] (UT Austin Dual Enrollment) *IBC: Certified SOLIDWORKS CAD Design Associate (CSWA) – Academic*	STE006 STE06D	2	11-12	**Algebra I, Geometry** (Geom. can be taken concurrently), **Engineering Design & Presentation**
Programming for Engineers[3] (for 2026-2027 school year ONLY) AND Engineering Design Process[1]	STE017 STE018	1 1	11-12	**Algebra I, Applied Physics** (can be taken concurrently) **or Engineering Design Process**
Practicum in Engineering[4] *IBC: Certified SOLIDWORKS CAD Design Professional (CSWP) – Academic*	STE016	2	12	**Algebra I, Geometry, completion of two Engineering courses with one course being a level 2 or higher**
Drone (Unmanned Vehicle) Program of Study Average salary range: $75,660 - $78,639 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Robotics 1[2]	STE003	1	9-11	None
Unmanned Aerial Vehicles (UAV) I[4] – Scientific Research and Design **(**Advanced Science credit)	STE008	1	10-12	**Algebra I, Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics**
Robotics II[3] (math credit)	STE014	1	10-12	**Robotics I**
Unmanned Aerial Vehicles[2] (UAV) II *IBC: FAA Part 107 Remote Drone Pilot*	STE009	1	11-12	**Algebra I, Geometry, and Unmanned Aerial Vehicles (UAV) I**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

ENGINEERING FOUNDATIONS PROGRAM OF STUDY

ENGINEERING DESIGN PROCESS
STE018
Grade Placement: 9-10
Required Prerequisite: Algebra I (can be taken concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
The Engineering Design Process course is essential for students interested in any engineering field. It equips students with the skills to use an iterative design process for problem-solving, decision-making, and project management. Students will engage in professional practices such as developing problem statements, maintaining documentation, using engineering notebooks, conducting research, managing projects, and communicating internally and externally. They will also learn to create technical drawings and prototypes. By the end of the course, students will deliver a professional presentation that details their experience with each step of the engineering design process.

ROBOTICS I
STE003
Grade Placement: 9-11
Required Prerequisite: None
Recommended: Engineering Design & Presentation
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
Robotics I allows students to demonstrate knowledge and skills necessary for the robotics 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 robotics and automation industry.

ENGINEERING DESIGN & PRESENTATION
STE002
Grade Placement: 10-11
Required Prerequisite: Algebra I (can be taken concurrently), at least 1 credit from the Engineering career cluster (can be taken concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
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.

APPLIED PHYSICS (PHYSICS CREDIT)
STE010
Grade Placement: 10-12
Required Prerequisite: Algebra I, one of the following: Chemistry, IPC, or Physics
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
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.

ADVANCED ENGINEERING DESIGN AND PRESENTATION (UT AUSTIN DUAL ENROLLMENT CREDIT)
STE006 or STE06D
Grade Placement: 11-12
Required Prerequisite: Algebra I, Geometry (can be taken concurrently), Engineering Design & Presentation
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Certified SOLIDWORKS CAD Design Associate (CSWA) – Academic
Engineering Design and Presentation II is a continuation of the 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 SolidWorks. 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://engineeryourworld.org/courses/dual-enrollment. Students are expected to earn the Industry-Based Certification.

PROGRAMMING FOR ENGINEERS
STE017
Grade Placement: 11-12
Prerequisite: Algebra I, Applied Physics (can be taken concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
Programming for Engineers is an engineering course that engages students in programming and computational thinking to solve hands-on engineering design challenges. For students with an interest in engineering, the course provides opportunities to design computing-enabled solutions to engineering problems. For students with an interest in learning to code or apply coding skills, the course's hands-on, human-centered approach motivates the development of programming and other computational thinking skills. For both groups, the course sparks curiosity and provides valuable experience with computing, design, and problem-solving that benefits all students, regardless of their future career goals. This course is appropriate for any student who wants to learn to apply coding skills to solve engineering problems and who is mature enough to undertake projects that can last for up to 12 weeks. Design projects address the challenges of serving students from diverse coding backgrounds, with projects that offer basic challenges that have rigorous extensions.

PRACTICUM IN ENGINEERING
STE016
Grade Placement: 12
Required Prerequisite: Algebra I, Geometry, completion of two Engineering courses with one course being a level 2 or higher
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Certified SOLIDWORKS CAD Design Associate (CSWA) – Academic
In the Practicum in Engineering class, students engage in hands-on engineering projects that span from planning to completion. This course emphasizes the application of the engineering design process to address complex, real-world challenges, and students utilize industry-standard tools and software in various fields such as CAD, robotics, electronics, and civil design. Collaboration is key as teams work together to manage and solve engineering tasks while adhering to professional standards, including safety and ethics. Additionally, students are required to develop and present technical reports or engineering portfolios, enhancing their communication skills. Moreover, students may engage in either paid or unpaid internships with local businesses, committing to at least 10 hours each week. This capstone course not only offers significant work-based learning experiences through internships or a comprehensive project but also aids students in exploring future college and career options in engineering, architecture, or related STEM areas. By the course's conclusion, participants are thoroughly prepared for further education or entry into technical careers, armed with both hands-on skills and the theoretical knowledge vital for success in the engineering field. For student who are doing a lab-based capstone project, students will be required to supply their own safety glasses, and there is an associated fee of $100 for supplies and materials. Students are expected to earn the Industry-Based Certification such as the professional level SolidWorks certification or another similar certification of the student's interest. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

DRONE (UNMANNED VEHICLE) PROGRAM OF STUDY

ROBOTICS I
STE003
Grade Placement: 9-11
Required Prerequisite: None
Recommended: Engineering Design & Presentation (can take concurrently)
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
Robotics I allows students to demonstrate knowledge and skills necessary for the robotics 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 robotics and automation industry.

UNMANNED AERIAL VEHICLES (UAV) I
STE008
Grade Placement: 10-12
Required Prerequisite: Biology and Chemistry, IPC or Physics (one of the three can be taken concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
This course fulfills the state requirement for an advanced science credit. This course will introduce students to basic manned and Unmanned Aircraft Systems (UAS) structures and their major components, principles of flight, and the fundamental physical laws affecting flight. Students will learn about basic aerodynamics and the forces that act on aircraft in flight. This course will also introduce the main systems found on large and small airplanes and UAS.

ROBOTICS II
STE014
Grade Placement: 10-12
Required Prerequisite: Robotics 1
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
This course meets the requirements for the fourth mathematics credit.
Robotics II is a continuation of the 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 the 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.

INTRODUCTION TO UNMANNED AERIAL VEHICLES (UAV) II
STE009
Grade Placement: 11-12
Required Prerequisite: Algebra I, Geometry, Aerospace I-Scientific Research & Design
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: FAA Part 107 Remote Drone Pilot
This course is an introduction to the fundamental concepts of manned and Small Unmanned Aircraft Systems (sUAS). Topics include: Manned and small Unmanned Aircraft Systems regulations, airspace classification and operating requirements, flight restrictions affecting aircraft operation, safety protocols, weight and balance, operating environments, aviation weather sources and effects of weather (micro-meteorology) on aircraft performance, small unmanned aircraft loading and performance, emergency procedures, and crew resource management. Students will be prepared to complete the Federal Aviation Administration's Part 107 Remote Pilot written exam upon completion of this course. Students are expected to earn the Industry-Based Certification.

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.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Culinary Arts Program of Study – Due to limited seats a rubric applies to this program Average salary range: $48,557 - $96,046 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Introduction to Culinary Arts[1]	HOT009	1	9-10	None
Culinary Arts[2] *IBC: SERVSafe Manager*	HOT002	2	10-11	**Introduction to Culinary Arts, rubric applies**
Advanced Culinary Arts[3]	HOT007	2	11-12	**Culinary Arts, SERVSafe Manager certification, rubric applies**
Food Science[4] (science credit)	HOT012	1	11-12	**Biology, Chemistry, and at least one credit from the following: Culinary Arts, Advanced Culinary Arts, Equine/Small Animal, Livestock and Poultry Production, Floral Design, or Agriculture Mechanics**
Practicum in Culinary Arts[4]	HOT003	2	12	**Advanced Culinary Arts, rubric applies**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

CULINARY ARTS PROGRAM OF STUDY

INTRODUCTION TO CULINARY ARTS
HOT009
Grade Placement: 9-10
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
Introduction to Culinary Arts creates a foundational set of skills, working from the ground up. The course will provide insight into industry-standard operations, food production skills, safety and sanitation, hospitality skills, recipe writing, and culinary math. Students develop a firm understanding of how to work in a team setting and develop problem-solving skills. This course is 60% theory and 40% food preparation. A lab fee of $65 is required for this course to assist in covering the cost of materials and supplies. Students are also required to purchase an apron and a chef's hat with an estimated cost of $27.

CULINARY ARTS
HOT002
Grade Placement: 10-11
Required Prerequisite: Introduction to Culinary Arts, rubric applies
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 2
Industry-Based Certification: SERVSafe Manager
This is a laboratory-based course that includes the fundamentals and principles of the art of food preparation, management, and production skills in commercial kitchens, and various culinary techniques. The first 9-weeks are theory-based instruction. Students must pass a national sanitation certification exam in order to continue to the laboratory environment. 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 are required to participate in one Crave Cafe dinner for a grade. A lab fee of $85 is required for this course to assist in covering the cost of materials and supplies. Students are also required to purchase an apron, a chef hat, and a chef coat with an estimated cost of $75. Previously purchased chef hat and apron from Introduction to Culinary Arts can be used as well. Students are expected to earn the Industry-Based Certification.

ADVANCED CULINARY ARTS
HOT007
Grade Placement: 11-12
Required Prerequisite: Culinary Arts, SERVSafe Manager certification, rubric applies
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 3
Industry-Based Certification: None
This course is 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 and special events. Students are required to participate in ten Crave Cafe dinners for a grade. A lab fee of $100 is required for this course to assist in covering the cost of materials and supplies. Students are also required to purchase an apron, a chef hat, and a chef coat with an estimated cost of $75. Previously purchased chef coat, hat, and apron from Culinary Arts can be used as well.

FOOD SCIENCE (Science credit)
HOT012
Grade Placement: 11-12
Required Prerequisite: One credit in biology, one credit in chemistry, and at least one credit from the following: Culinary Arts, Advanced Culinary Arts, Equine/Small Animal, Livestock and Poultry Production, Floral Design, or Agriculture Mechanics.
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
This course fulfills the state requirement for an advanced science course.
In Food Science, students examine the nature and properties of foods, food microbiology, and the principles of science in food production, processing, preparation, and preservation; use scientific methods to conduct laboratory and field investigations; and make informed decisions using critical thinking and scientific problem solving. This course provides students with a foundation for further study that leads to occupations in food and beverage services; the health sciences; agriculture, food, and natural resources; and human services.

PRACTICUM IN CULINARY ARTS
HOT003
Grade Placement: 12
Required Prerequisite: Advanced Culinary Arts, rubric applies
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
This course is designed to extend content and enhance skills introduced in the Advanced Culinary Arts course by in-depth instruction of industry-driven standards to prepare students for success in higher education, certifications, and/or immediate employment. Students continue to refine their knowledge and skills required for careers in the restaurant, food, and beverage industry. Laboratory activities involve menu planning, specialty food creation, large-scale food production, and the management of a campus-based restaurant. Students oversee the marketing and operations of The Crave Cafe through a manager-in-training program. Students are required to participate in Crave Cafe dinners as part of their grade. A lab fee of $100 is required for this course to assist in covering the cost of materials and supplies. Students are also required to purchase an apron, a chef hat, and a chef coat with an estimated cost of $75. Previously purchased chef coat, hat, and apron from Culinary Arts can be used as well.

Business and Industry Endorsement
Information Technology Career Cluster

The Cybersecurity program of study focuses on occupational and educational opportunities associated with planning, implementing, upgrading, or monitoring security measures for the protection of computer networks and information. This program of study includes responding to computer security breaches and viruses and administering network security measures.

Possible careers for Science, Technology, Engineering and Mathematics include: Software Developer, Programmer, Cybersecurity Specialists, Network Analysts

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Cybersecurity Program of Study Average salary range: $51,823 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
AP CK Cybersecurity[1] *IBC: CompTIA Security+*	TEC015	1	9-12	None
Computer Science I Honors[2] (LOTE Credit)	TEC01P	1	9-12	**Algebra I** (can take concurrently)
AP CK Cyber: Networking[3] *IBC: CompTIA Network+*	TEC016	1	10-12	**AP CK Cybersecurity**
Cybersecurity Capstone[4]	TEC017	1	11-12	**AP CK Cybersecurity and AP CK Cyber: Networking**
Programming and Software Development Program of Study Average salary range: $51,823 - $127,000 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Computer Science I Honors[2] (LOTE Credit)	TEC01P	1	9-12	**Algebra I** (can take concurrently)
AP Computer Science Principles[2] (LOTE credit)	TEC07A	1	9-12	**Algebra I;** recommended with an 80 or higher
AP Computer Science A[3] (LOTE and math credit)	TEC01A & TEC01B	2	10-12	**Algebra I**; recommended AP Computer Science Principles with an 80 or higher
Computer Science III[4] (LOTE) *IBC: Certified User: Programmer or Information Technology Specialist: Java*	TEC014	1	11-12	**AP Computer Science A**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

CYBERSECURITY PROGRAM OF STUDY

AP CK CYBERSECURITY
TEC015
Grade Placement: 9-12
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: CompTIA Security+
Students are required to take the Advanced Placement exam.
This advanced placement program aims to equip students with a comprehensive understanding of security principles and practices essential for protecting information and systems in today's digital age. Through a combination of theoretical exploration and practical application, students will learn to identify vulnerabilities, assess risks, and implement effective security measures. This course not only prepares students for success in the AP exam but also lays a solid groundwork for future studies in computer science, information technology, and cybersecurity, potentially earning college credit. Students will also prepare for the CompTIA Security+ exam. Students are expected to earn the Industry-Based Certification.

COMPUTER SCIENCE I HONORS
TEC01P
Grade: 9-12
Required Prerequisite: Algebra I (can take concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
This course meets state requirements for a foreign language credit (LOTE).
Computer Science I provides a comprehensive introduction to programming using Java on the code.org platform. Students will engage in hands-on projects that span various areas of computer science, fostering both technical skills and problem-solving abilities.

AP CK CYBER: NETWORKING
TEC016
Grade Placement: 10-12
Required Prerequisite: AP CK Cybersecurity
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: CompTIA Network+
Students are required to take the Advanced Placement exam.
This advanced placement program is designed for students interested in understanding the fundamentals of networking, data communication, and the technologies that connect devices and systems. Through a mix of theoretical knowledge and practical application, students will gain essential skills that are vital in our increasingly connected world. Students will be well-prepared for further studies in computer science, information technology, or cybersecurity. This course provides a solid foundation for pursuing industry certifications (CompTIA Network+) and can lead to potential college credit for those who excel on the AP exam. Students are expected to earn the Industry-Based Certification.

CYBERSECURITY CAPSTONE
TEC017
Grade Placement: 11-12
Required Prerequisite: AP CK Cyber: Security and AP CK Cyber: Networking
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
In this course, students will engage in real-world cybersecurity and networking projects, collaborating with industry professionals to enhance their skills in threat analysis, network security, and incident response. This intensive capstone experience aims to bridge theoretical knowledge with practical application through a strong focus on work-based learning. Emphasizing hands-on experience, participants will apply their knowledge to solve complex problems and develop solutions that reflect current trends and practices in the cybersecurity field. Students will also build their portfolios, participate in seminars, and prepare for potential career opportunities. This course not only cultivates technical expertise but also develops critical soft skills such as teamwork, communication, and project management, essential for success in the rapidly evolving world of cybersecurity. Any students who has not earned the previous course certification will be required to take/retake it in Practicum.

PROGRAMMING AND SOFTWARE DEVELOPMENT PROGRAM OF STUDY

COMPUTER SCIENCE I HONORS
TEC01P
Grade: 9-12
Required Prerequisite: Algebra I (can take concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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 support 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: Algebra I
Recommended Prerequisite: Algebra I grade of 80 or higher
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
This course meets state requirements for a foreign language credit (LOTE). Students are required to take an Advanced Placement exam.
This Advanced Placement computer science course focuses on five 'big ideas' which include Data Representation (binary and decimal), The Internet (including basic networking), Data (mathematical analysis including polynomials, logarithms, exponentiation, and factorials), Algorithms (programming in JavaScript, including multiple projects), and Cybersecurity. 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, using JavaScript. This course can be used to satisfy one Foreign Language credit. There is a fee associated with this course.

AP COMPUTER SCIENCE A
TEC01A and TEC01B
Grade Placement: 10-12
Required Prerequisite: Algebra I
Recommended Prerequisite: AP Computer Science Principles with a grade of 80 or higher
Credit: 2 (1 LOTE, 1 Math) This course is one class period.
Program of Study Level: 3
Industry-Based Certification: None
This course meets graduation requirements for an advanced math credit and one foreign language credit (LOTE). Students are required to take an Advanced Placement exam.
Introduces Advanced Placement topics using Java as the programming language. Computer Science emphasizes object-oriented programming with an emphasis on problem solving, algorithm development, and class design including, instance variables, constructors, and methods. It is the equivalent of a first-semester freshman programming course in college-level computer science. It also includes the study of data structures and abstraction. As a double credit, single-period course, the expected study time is equivalent to an AP math course plus an AP LOTE course. This course can be used to satisfy one Foreign Language credit. There is a fee associated with this course.

COMPUTER SCIENCE III
TEC014
Grade Placement: 11-12
Required Prerequisite: AP Computer Science A
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 4
Industry-Based Certification: Certified User: Programmer or Information Technology Specialist: Java
This course meets state requirements for a foreign language credit (LOTE).
This course builds upon AP Computer Science A computer science concepts to access, analyze, and evaluate information needed to solve problems, and create solutions using software engineering. A mastery of AP Computer Science A is a necessity because Computer Science III introduces data structures including linked lists, stacks, queues, trees, heaps, priority queues, polymorphism, data abstraction, interface, complex class hierarchy, two-dimensional array processing, assertions, exception processing, try-catch-finally, operating system scripting, and low-level languages such as x86 assembly. Students will also be introduced to graph theory and extend their knowledge of recursive algorithms. Projects will be developed as a software engineering team, including workflow, professional documentation, program management (such as GIT hub), database integration, bit processing, file reading, and file writing. Other topics can include advanced Graphical User Interface (GUI) techniques, multi-threaded programs, networked applications, number theory, introduction to Artificial Intelligence (AI), and basic quantum computing concepts. This course can be used to satisfy one Foreign Language credit. Students are expected to earn the Industry-Based Certification.

Business and Industry Endorsement
Manufacturing Career Cluster

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities, such as, production planning and control, maintenance, and manufacturing/process engineering.

The Manufacturing courses are comprehensive and an experience-based study of technology, which 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 Manufacturing include: CNC Technician, CNC Programmer and Operator, Machinist, Manufacturing Engineers, Manufacturing Production Technicians, Machine Operator.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Robotics and Automation Technology Program of Study Average salary range: $35,963 - $102,022 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Principles of Manufacturing[1]	MAU001	1	9- 11	None
Robotics 1[2]	STE003	1	9-11	None
Manufacturing Engineering Technology I[2] *IBC: Certified SOLIDWORKS Professional (CSWA) - Additive Manufacturing*	MAU011	1	10-12	**Principles of Manufacturing or Engineering Design & Presentation**
Robotics II[3] (math credit)	STE014	1	10-12	**Robotics I**
Manufacturing Engineering Technology II[3] (math credit) *IBC: Machining CNC Mill Operations*	MAU012	1	11-12	**Manufacturing Engineering Technology I,** recommended Algebra II
Practicum in Manufacturing[4] *IBC: CNC Lathe Operation*	MAU002	2	12	**Completion of two Manufacturing courses**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

ROBOTICS AND AUTOMATION TECHNOLOGY PROGRAM OF STUDY

PRINCIPLES OF MANUFACTURING
MAU001
Grade Placement: 9-11
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
In the Principles of Manufacturing course, students acquire essential skills and knowledge vital for a career in manufacturing. Key topics include safety practices, the proper use of tools and materials, basic manufacturing processes such as cutting and assembling, and quality control techniques. Additionally, students learn to interpret technical drawings, engage in problem-solving and critical thinking, and foster teamwork and communication skills. The course also introduces modern automation and manufacturing technologies, providing a comprehensive overview of the industry. Furthermore, students explore various career options within manufacturing and develop competencies that prepare them for entry-level positions or further training in the field. This course aims to equip students with practical skills that are immediately applicable in the workforce while also laying a foundation for more advanced studies in manufacturing and engineering pathways.

ROBOTICS I
STE003
Grade Placement: 9-12
Required Prerequisite: None
Recommended: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
In the Robotics I class, students gain a foundational understanding of robotics, including key concepts related to mechanical, electrical, and control systems. They engage in hands-on activities by building and programming robots, utilizing sensors, motors, and controllers to apply their knowledge of math, science, and engineering to real-world challenges. The curriculum emphasizes the use of programming languages to control robotic functions and explores automation systems, highlighting how robots interact with their environment while ensuring adherence to safety protocols. Additionally, students collaborate in teams to design, build, and test robotic projects, fostering teamwork and problem-solving skills. The course not only provides practical experience but also introduces various career paths in robotics, engineering, and advanced manufacturing. This foundational course equips students with the skills and knowledge necessary for further studies in robotics and engineering.

MANUFACTURING ENGINEERING TECHNOLOGY I
MAU011
Grade Placement: 10-12
Required Prerequisite: Principles of Manufacturing or Engineering Design & Presentation
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: Certified SOLIDWORKS Professional (CSWA) - Additive Manufacturing
In Manufacturing Engineering Technology I, students enhance their foundational manufacturing knowledge by focusing on essential engineering and technical skills relevant to modern manufacturing environments. They learn advanced safety procedures, how to read and interpret technical drawings and blueprints, and utilize precision measurement tools while adhering to quality control processes. Additionally, students operate and maintain manufacturing equipment, gain an understanding of manufacturing systems and production planning, and delve into materials science to comprehend the behavior of various materials in manufacturing. The course also introduces students to computer-aided design (CAD) and manufacturing (CAM) software, enabling them to tackle real-world manufacturing challenges through design, prototyping, and testing. Collaborative projects simulate industry scenarios, fostering teamwork and practical experience. Overall, this course equips students for careers in manufacturing engineering and provides a pathway for further education in engineering or advanced manufacturing fields. Students will be required to supply their own safety glasses. There is an associated fee of $75 for supplies and materials. Students are expected to earn the Industry-Based Certification in Additive Manufacturing.

ROBOTICS II
STE014
Grade Placement: 10-12
Required Prerequisite: Robotics 1
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
This course meets the requirements for the fourth mathematics credit.
In the Robotics II class, students enhance the foundational skills acquired in Robotics I by delving into more advanced concepts and applications. They engage in designing, building, and programming complex robotic systems, integrating sensors, controllers, and actuators to create autonomous robots. Students apply advanced programming skills to control robotic functions, troubleshoot and optimize systems, and gain experience with real-world automation technologies commonly used in industry. The course emphasizes the engineering design process, enabling students to plan, test, and improve their robotic projects while collaborating in teams for hands-on challenges and competitions. This course serves as a gateway for students to explore career and college pathways in robotics, mechatronics, and technology fields. By preparing them for advanced studies in these areas, Robotics II equips students with the necessary skills and knowledge to thrive in future endeavors within the ever-evolving landscape of robotics and automation.

MANUFACTURING ENGINEERING TECHNOLOGY II
MAU012
Grade Placement: 12
Required Prerequisite: Manufacturing Engineering I
Recommended Prerequisite: Algebra II
Credit: 1
Program of Study Level: 3
Industry-Based Certification: Machining CNC Mill Operations
This course meets graduation requirements for an advanced math credit.
In the Manufacturing Engineering Technology II class, students build upon the foundational skills acquired in Level I, delving into advanced manufacturing technologies and engineering practices. The curriculum emphasizes the design and improvement of manufacturing processes using engineering principles, operation and programming of advanced systems like CNC machines and robotics, and the use of CAD/CAM software for part design and automation control. Students also learn to apply quality control techniques, analyze material properties for production, and solve real-world manufacturing challenges through project-based learning. Additionally, the course fosters teamwork as students collaborate on complex, hands-on engineering and production projects, equipping them with career-ready skills applicable in engineering, manufacturing, and technical fields. This comprehensive program prepares students for further education in college programs and for careers in advanced manufacturing, engineering, and industrial technology. Students will be required to supply their own safety glasses. There is an associated fee of $75 for supplies and materials. Students are expected to earn the Industry-Based Certification for the operation of the CNC mill.

PRACTICUM IN MANUFACTURING
MAU002
Grade Placement: 11-12
Required Prerequisite: Completion of two Manufacturing courses
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: CNC Lathe Operation

In the Practicum in Manufacturing class, students engage in hands-on experiences that build upon their previous manufacturing education. They participate in internships or lab projects within professional settings, where they operate industry-standard tools and technology while adhering to workplace safety protocols. The course emphasizes applying engineering and manufacturing processes to create quality products, solving real-world problems through critical thinking and technical skills, and collaborating in teams to complete projects. For students who participate in an internship, they are required to work in a paid or unpaid setting for 10 hours per week. For students who remain in the lab, this capstone course not only equips students with practical skills but also fosters the development of professional attributes such as communication, time management, and accountability. Through exploring various career pathways, students gain valuable experience that can lead to certification, employment, or further education in manufacturing, engineering, or technical fields, effectively preparing them for entry into the workforce or advanced studies. Students will be required to supply their own safety glasses. There is an associated fee of $100 for supplies and materials. Students are expected to master the Industry-Based Certification for the operation of the CNC lathe. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

Public Service Endorsement
Education and Training Career 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, Coach, College/University Faculty, School Counselor, Curriculum Developer, Elementary Teacher, High School Teacher, Middle School Teacher, Principal and Speech-Language Pathologist.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Teaching and Training Program of Study Average salary range: $29,358 - $86,768 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Principles of Education and Training[1]	EDT003	1	9	None
Technology for Teaching[2]	EDT006	1	10-12	Recommended Principles of Education and Training
Instructional Practices[3]	EDT001	2	11-12	**Principles of Education and Training OR Technology for Teaching**
Practicum in Education and Training[4] *IBC: Educational Aide I*	EDT002	2	12	**Instructional Practices**; recommended Technology for Teaching
Career and Technical Education Project-Based Capstone[4]	EDT007	1	12	**Co-requisite: Instructional Practices OR Practicum in Education and Training**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

TEACHING AND TRAINING PROGRAM OF STUDY

PRINCIPLES OF EDUCATION AND TRAINING
EDT003
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None
Principles of Education and Training is designed to introduce learners to the various careers available within the Education and Training Career Cluster. Students use self-knowledge, as well as, education and career information to analyze various careers within the Education and Training Career Cluster. Students are introduced to societal influences of education and various school models.

TECHNOLOGY FOR TEACHING
EDT006
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Education and Training
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
This course is designed to provide students with the fundamentals of planning, managing, and training services needed to provide learning support services in Kindergarten – Grade 12 classrooms. Students will develop knowledge and skills regarding the professional, ethical, and legal responsibilities in teaching related to educational technology. Students will also understand laws and pedagogical justifications regarding classroom technology use.

INSTRUCTIONAL PRACTICES
EDT001
Grade Placement: 11-12
Required Prerequisite: Principles of Education and Training or Technology for Teaching
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 3
Industry-Based Certification: None
Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education, and exemplary educators or trainers in direct instructional roles with elementary, middle, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel.

PRACTICUM IN EDUCATION AND TRAINING
EDT002
Grade Placement: 12
Required Prerequisite: Instructional Practices
Recommended Prerequisite: Technology for Teaching
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Educational Aide I
Practicum in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development principles as well as principles of effective teaching and training practices. Students in the course work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education, and exemplary educators in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, make physical arrangements, and complete other responsibilities of classroom teachers, trainers, paraprofessionals, or other educational personnel. Students are expected to earn the Industry-Based Certification.

CAREER AND TECHNICAL EDUCATION PROJECT-BASED CAPSTONE
EDT007
Grade Placement: 12
Co-Prerequisite: Instructional Practices or Practicum in Education and Training
Recommended Prerequisite: Technology for Teaching
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
Students who currently work or plan on working at Rock Afterschool Care are eligible for this course. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

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. Throughout the study of the health care field, students will be exposed to what some may consider graphic content. Some examples of this may include life-like human anatomy, physical injuries, surgical procedures, wound sites, medical abnormalities, etc.

Possible career objectives for students with Health Science Technology training: Medical Doctor, Dentist, Medical Assistant, Dental Assistant, Emergency Medical Technician, Medical Technology, Nurse's Aide, Nutritionist, Doctor of Osteopathy, Nurse/Nurse Practitioner, Athletic Trainer, Medical Research/Testing, Medical Lab Assistant, Nursing Home Services, Pharmacist, Physical Therapist, Paramedic, Dental Hygienist, and Pharmacy Technician.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Medical Terminology[2]*	HLS010	1	9	None; recommended prerequisite for all courses in the Health Science Programs of Study
Health Science Theory[3]*	HLS011	1	10-11	**Biology** (can take concurrently), **Medical Terminology**
Anatomy and Physiology[3] (science credit)	HLS02C (CCA) HLS002(High School Campus)	1	11-12	**Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics;** recommended for all Health Science Programs of Study
Dental Program of Study - Due to limited seats a rubric may apply to this program. Average salary range: $89,155 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Dental I - Practicum in Health Science I[4]	HLS027	2	11	**Health Science Theory**
Dental II - Practicum in Health Science II[4] *IBC: Registered Dental Assistant*	HLS029	2	12	**Dental I - Practicum in Health Science I**
Emergency Medical Technician (EMT) Program of Study - Due to limited seats a rubric may apply to this program**.** Average salary range: $35,849 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
EMT Prep: Medical Disaster Response[2]	HLS023	1	11	**Health Science Theory** (can take concurrently)
EMT - Practicum in Health Science I[4] *IBC: Emergency Medical Technician - Basic*	HLS026	2	12	**EMT Prep: Medical Disaster Response**
Pharmacy Technician Program of Study - Due to limited seats a rubric may apply to this program. Average salary range: $45,535 (Data Source: Teexaswages.com/WDAwages)				
Pharmacology[4]	HLS022	1	11	**Biology, Chemistry** (can take concurrently), **Health Science Theory** (can take concurrently)
Pharmacy Technician - Practicum in Health Science I[4] *IBC: Pharmacy Technician*	HLS081	2	12	**Health Science Theory, Pharmacology**
Medical/Internship Program of Study - Due to limited seats a rubric may apply to this program. Average salary range: $37,568 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Medical Clinical - Practicum in Health Science I[4] *IBC: Medical Assistant (CCMA)*	HLS028	2	11	**Health Science Theory**
Internship - Practicum in Health Science II[4] *IBC: Certified EKG Technician*	HLS032	2	12	**Medical Clinical - Practicum in Health Science I, Provisionary Certified Medical Assistant**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]
*2026-2027 school year – Sophomores must take Medical Terminology and Health Science Theory concurrently

MEDICAL TERMINOLOGY
HLS010
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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. Throughout the study of the healthcare field, students will be exposed to pictures of what some may consider graphic content (i.e. the life-like anatomy of the human body, physical injuries, medical abnormalities, wound sites, etc.)

HEALTH SCIENCE THEORY
HLS011
Grade Placement: 10-11
Required Prerequisite: Biology (can take concurrently), Medical Terminology
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
This course is for students who are seriously interested in a health care career and desire to pursue a health science endorsement. This is not a Science credit. 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 healthcare areas rather than a single healthcare field. Class fees are $25 to cover the cost of student consumables.

ANATOMY AND PHYSIOLOGY
HLS02C
Grade Placement: 11-12
Required Prerequisite: Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 3
Industry-Based Certification: None
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. Students in the Health Science program of study should take HLS02C.

DENTAL PROGRAM OF STUDY

DENTAL I - PRACTICUM IN HEALTH SCIENCE I
HLS027
Grade Placement: 11
Required Prerequisite: Health Science Theory
Recommended Prerequisite: Medical Terminology, Anatomy and Physiology (can take concurrently)
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
Certification: American Heart Association BLS (CPR), Health Insurance Portability and Accountability (HIPAA) certification. This course is designed to allow junior level dental students the opportunity to begin learning the fundamental knowledge and skills needed within the field of dentistry through hands-on learning in the on-site dental clinic. The knowledge and skills learned 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 understand dental history, dental professions, dental anatomy, dental diseases, dental hygiene, professional dental communication, chair-side dental assisting, dental charting, dental nutrition and dental law. Practicum fees are estimated at $150 and include the CPR certification, HIPAA certification, field trips, drug testing, and lab-based learning opportunities. Scrubs are required and purchased separately.

DENTAL II - PRACTICUM IN HEALTH SCIENCE II
HLS029
Grade Placement: 12
Required Prerequisite: Dental I - Practicum in Health Science I
Recommended Prerequisite: Medical Terminology, Anatomy and Physiology
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Registered Dental Assistant
This course will train Dental Assistant Program students in all aspects of a dental practice. Students in the Dental Assistant Program will apply their knowledge and skills in industry work experiences. This may include laboratory-based, unpaid work experience in a local dentist office. Some healthcare facilities may require the COVID-19 vaccine for students to attend clinical rotations at their site. In addition, an up-to-date immunization, including influenza vaccination, may be required. These requirements may affect the availability of opportunities for students not vaccinated. Practicum fees are estimated at $150 and include the course certification, field trips, drug testing, and lab-based learning opportunities. Students are expected to earn the Industry-Based Certification.

EMERGENCY MEDICAL TECHNICIAN (EMT) PROGRAM OF STUDY

EMT PREP: MEDICAL DISASTER RESPONSE
HLS023
Grade Placement: 11
Required Prerequisite: Health Science Theory (can be taken concurrently)
Recommended Prerequisite: Medical Terminology
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
Students enrolled in this course will gain knowledge and skills related to the Emergency and Fire Management Services Program of Study. This course will provide opportunities for students to develop the skills necessary for disaster preparedness within their communities. Disaster Response includes basic training of students in disaster survival and rescue skills that improve the ability of citizens to survive until responders arrive. Students will learn how to make communities safer, stronger, and better prepared to respond to the threats of terrorism, crime, public health issues, and disasters of all kinds. In addition, Homeland Security has been identified as a "high-demand" occupation and students enrolled in this course will receive information and skills related to careers with the United States Department of Homeland Security and other related emergency service providers. 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.

EMERGENCY MEDICAL TECHNICIAN (EMT) - PRACTICUM IN HEALTH SCIENCE I
HLS026
Grade Placement: 12
Required Prerequisite: EMT Prep: Medical Disaster Response
Recommended Prerequisite: Anatomy and Physiology
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Emergency Medical Technician - Basic
This course is designed to equip students with the 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. In addition, an up-to-date immunization, including influenza vaccination, may be required. These requirements may affect the availability of opportunities for students not vaccinated. Students will need a driver's license or government-issued ID, as well as their own transportation for clinical ride-outs. Practicum fees are estimated at $300 and include
EMT uniform, course workbook, HOSA dues, course t-shirt, background check, TB skin test, and drug test. Students are expected to earn the Industry-Based Certification.

PHARMACY TECHNICIAN PROGRAM OF STUDY

PHARMACOLOGY
HLS022
Grade Placement: 11
Required Prerequisite: Biology, Chemistry (can take concurrently), Health Science Theory (can take concurrently)
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
This course is desirable for anyone pursuing a career in health science and 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
HLS081
Grade Placement: 12
Required Prerequisite: Pharmacology
Recommended Prerequisite: Medical Terminology, Anatomy and Physiology
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Exam for the Certification of Pharmacy Technicians (ExCPT)
This course is designed to equip students with the 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, 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. Students who successfully complete the course have the opportunity to sit for the Exam for the Certification of Pharmacy Technicians (ExCPT). Students will need a driver's license or state-issued ID for Pharmacy Board Registration and must provide transportation to their clinical sites. Practicum fees are estimated at $225 and include a course t-shirt, scrub set, HIPAA training, BLS CPR card, Pharmacy Board registration, fingerprinting, and drug test. Students are expected to earn the Industry-Based Certification.

MEDICAL/INTERNSHIP PROGRAM OF STUDY

MEDICAL CLINICAL - PRACTICUM IN HEALTH SCIENCE I
HLS028
Grade Placement: 11
Required Prerequisite: Health Science Theory, Biology
Recommended Prerequisite: Medical Terminology, Anatomy and Physiology taken concurrently
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Medical Assistant (CCMA)
This course is designed to give students practical application of previously studied knowledge and skills in health science and is focused on attaining certification in CPR and CCMA. The CCMA program 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 community clinic or hospital experiences and/or on-campus lab-based instruction. Exposure to graphic content, namely the human body disrobed, will be part of the experience. Students who complete the requirements and meet local standards will be allowed to test for the CCMA at the end of the course. Many facilities will require students to be fully vaccinated (including TB skin test, passed drug test, and third-party background check) in order to attend clinical rotations. For this reason, proof of records will be requested. These requirements may affect the availability of opportunities for students not fully vaccinated. Students will be required to purchase a set of school-specific scrubs in order to participate. Practicum fees are estimated at $150 and include HIPAA certification, field trips, drug testing, and lab-based opportunities. Students are expected to earn the Industry-Based Certification.

INTERNSHIP – PRACTICUM IN HEALTH SCIENCE II
HLS032
Grade Placement: 12
Required Prerequisite: Medical Clinical - Practicum in Health Science I, Provisionary Certified Medical Assistant
Recommended Prerequisite: Medical Terminology, Anatomy and Physiology
Credit: 2
Program of Study Level: 4
Industry-Based Certification: Certified EKG Technician (CET)
It is recommended for each student to have their own stethoscope as well as American Heart Association BLS CPR. This course is designed to give students practical application of previously studied knowledge and skills in health science and is focused on attaining certification as an EKG technician. The CET program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge in cardiology. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the health care industry: Safety, compliance and coordinated patient care, EKG acquisition, analysis and interpretation, employability, and professionalism. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. This course may be offered through off-campus internship experiences and/or on-campus lab-based instruction. Students will be required to purchase a set of school-specific scrubs, and obtain an internship placement. Students will be expected to complete an average of 250 hours of experience throughout the year with a site of their choosing, upon approval from the district's Internship Coordinator. A list of known potential sites will be made available to those requesting that information. Many facilities will require students to be fully vaccinated (including TB skin test, passed drug test, and a third-party background check) in order to participate. For this reason, proof of records will be requested. These requirements may affect the availability of opportunities for students not fully vaccinated. Practicum fees are estimated at $150 and include HIPAA certification, field trips, drug testing, and lab-based opportunities. Students are expected to earn the Industry-Based Certification.

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.

Texas Administrative Code Title 37, Part 7, chapter 215, Rule 215.21:

(a) In addition to the units of the basic peace officer course, a law enforcement academy shall report 40 additional training hours for an applicant who provides a high school transcript indicating that the applicant has earned a public services endorsement under Texas Education Code 28.025(c-1).

(b) The Transcript must reflect that the applicant has completed courses that directly relate to law enforcement, such as those in the Law, Public Safety, Corrections, and Security Career Cluster under 19 TAC Chapter 130, Subchapter L.

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, Lawyer, Court Reporter, Paralegal, Legal Assistant, Courtroom Professional Services and other emergency management positions.

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Law Enforcement Program of Study Average salary range: $74,014 - $105,836 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Principles of Law, Public Safety, Corrections, and Security[1]	LAW001	1	9	None; recommended for all courses in the Law, Public Safety, Corrections, and Security career cluster
Law Enforcement I[2]	LAW003	1	10-11	Recommended Principles of Law, Public Safety, Corrections, and Security
Law Enforcement II[3] *IBC: Non-Commissioned Security Officer Level II*	LAW004	1	11-12	**Law Enforcement I**; recommended 80 or above in Law Enforcement I
Forensic Science[4] (science credit)	LAW02C	1	11-12	**Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics**
Criminal Investigation[2]	LAW006	1	12	**Law Enforcement II**; recommended 80 or above in Law Enforcement II
Practicum in Law, Public Safety, Corrections, and Security[4]	LAW007	2	12	**Minimum completion of two Law classes, pass background check, no disciplinary action that can be constituted as a criminal offense, must provide own transportation**
Legal Studies Program of Study Average salary range: $58,736 - $144,957 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
Principles of Law, Public Safety, Corrections, and Security[1]	LAW001	1	9	None
Legal Research[3] *IBC: General Management*	LAW008	1	10-11	**One course from the Law, Public Safety, Corrections and Security career cluster** (can be taken concurrently); recommended Principles of Law, Public Safety, Corrections, and Security
Court Systems and Practices[2]	LAW005	1	11-12	**Legal Research (will be required starting 27-28 school year), r**ecommended Principles of Law, Public Safety, Corrections, and Security
Forensic Science[4] (science credit)	LAW02C	1	11-12	**Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics**
Practicum in Law, Public Safety, Corrections, and Security[4]	LAW007	2	12	**Minimum completion of two Law classes, pass background check, no disciplinary action that can be constituted as a criminal offense, must provide own transportation**

Program of Study Level: Level [1], Level [2], Level [3], Level [4]

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
LAW001
Grade Placement: 9
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Program of Study Level: 1
Industry-Based Certification: None

This 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

LAW ENFORCEMENT I
LAW003
Grade Placement: 10-11
Required Prerequisite: None
Recommended Prerequisite: Principles of Law, Public Safety, Corrections, and Security
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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: 80 or above in Law Enforcement I
Credit: 1
Program of Study Level: 3
Industry-Based Certification: Non-Commissioned Security Officer Level II
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. Students are expected to earn the Industry-Based Certification.

FORENSIC SCIENCE
LAW02C
Grade Placement: 11-12
Required Prerequisite: Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
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 scenes, 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.

CRIMINAL INVESTIGATION
LAW006
Grade Placement: 12
Required Prerequisite: Law II
Recommended Prerequisite: 80 or above in Law Enforcement II
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
LAW007
Grade Placement: 12
Required Prerequisite: Minimum completion of two Law classes, pass a background check, and have no disciplinary action that could be constituted as a criminal offense
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
The practicum course is an unpaid capstone for students to receive exposure to different types of careers in Law, Public Safety, and Security. Students will be able to learn and demonstrate the knowledge and skills required to pursue a career in this field. Students will job shadow at the District Attorney's office, Sheriff's office, courthouse, police station, and participate in a ride-along. Through these opportunities, students will experience some high security situations and be exposed to real-world criminal environments. Students will need to have clear communication and be able to adapt to changing environments. Students will be required to wear their uniform to work sites and provide their own transportation. Course fees are estimated at $110 and include drug test, background check, uniform shirt, and Law & Order club dues. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

LEGAL STUDIES

LEGAL RESEARCH
LAW008
Grade Placement: 10-11
Required Prerequisite: One course from the Law, Public Safety, Corrections and Security career cluster (can be taken concurrently)
Recommended Prerequisite: Principles of Law, Public Safety, and Corrections
Credit: 1
Program of Study Level: 3
Industry-Based Certification: General Management
Legal Research introduces the study and practice of legal writing and research. This course is designed for students to learn the methods and tools used to conduct legal research, develop and frame legal arguments, produce legal writings such as briefs, memorandums, and other legal documents, study U.S. Constitutional law, and prepare for appellate argument(s). Students are expected to earn the Industry-Based Certification.

COURT SYSTEMS AND PRACTICES
LAW005
Grade Placement: 12
Required Prerequisite: Legal Research (will be required starting the 27-28 school year)
Recommended Prerequisite: Principles of Law, Public Safety, and Corrections
Credit: 1
Program of Study Level: 2
Industry-Based Certification: None
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
LAW02C
Grade Placement: 11-12
Required Prerequisite: Biology and 1 of the following: Chemistry, IPC, or Physics/Applied Physics
Credit: 1
Program of Study Level: 4
Industry-Based Certification: None
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 scenes, 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.

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY
LAW007
Grade Placement: 12
Required Prerequisite: Minimum completion of two Law classes, pass a background check, and have no disciplinary action that could be constituted as a criminal offense
Recommended Prerequisite: None
Credit: 2
Program of Study Level: 4
Industry-Based Certification: None
The practicum course is an unpaid capstone for students to receive exposure to different types of careers in Law, Public Safety, and Security. Students will be able to learn and demonstrate the knowledge and skills required to pursue a career in this field. Students will job shadow at the District Attorney's office, Sheriff's office, courthouse, police station, and participate in a ride-along. Through these opportunities, students will experience some high security situations and be exposed to real-world criminal environments. Students will need to have clear communication and be able to adapt to changing environments. Students will be required to wear their uniform to work sites and provide their own transportation. Course fees are estimated at $110 and include drug test, background check, uniform shirt, and Law & Order club dues. Any students who have not earned the previous course certification will be required to take/retake it in Practicum.

Public Service Endorsement
Junior Reserve Officers' Training Corps (JROTC)

JROTC offers a comprehensive curriculum encompassing leadership, citizenship, teamwork, and personal development. Students engage in classroom instruction, physical fitness activities, and community service projects. The program emphasizes character building, self-discipline, and communication skills.

General Requirements:

- To wear an issued uniform at least one day a week for the entire school day.
- Maintain acceptable grooming standards, according to regulations, in and out of uniform. This includes, but not limited to, haircuts, shaving, and no eccentricities of appearance/dress.
- Be physically qualified, wear the physical training (PT) uniform, and participate in PT.
- Participate in marching drills.
- Participate in holiday, weekend, and community service events.
- Set and maintain high standards of conduct that set an example other should follow.
- Maintain passing grades in all classes and have no missing assignments.
- Refrain from actions that will cause a Cadet to be assigned to ISS, OSS, or DAEP.
- The most important requirement of the Cadet is a motivated, dedicated, cooperative attitude and willingness to attempt new experiences.
- Cadets who refuse to make an effort or are disobedient will be dropped from the program.

Costs: There is no cost to enroll in the program. Cadets will be issued a number of JROTC uniforms, which will be their responsibility to maintain and must be returned at the end of the academic year. Articles which are lost or damaged beyond normal wear and tear will be replaced at the Cadet's expense. There may be costs associated with attending various events and camps.

Military Readiness Indicator:

- Foundational – JROTC completion (3+ credits) and 31-49 Category IIIB Armed Forces Qualification Test (AFQT)
- Demonstrated – JROTC completion (3+ credits) and 50-64 Category IIIA Armed Forces Qualification Test (AFQT)
- Advanced – JROTC completion (3+ credits) and 65+ Category II Armed Forces Qualification Test (AFQT)

Course Name *Industry-Based Certification (IBC) Name*	**Course Code**	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Marine Corps JROTC Average salary range: $47,385 - $55,598 (Data Source: TexasWages, Texas Workforce Commission. Retrieved 3/8/2024)				
JROTC Year I	JROTCP JROTCE	1	9-12	None
JROTC Year II	JROTC2	1	10-12	**JROTC Year I**
JROTC Year III	JROTC3	1	11-12	**JROTC Year II**
JROTC Year IV	JROTC4	1	12	**JROTC Year III**

MARINE CORPS JROTC

JROTC Year I-IV
JROTCP or JROTCE, JROTC2, JROTC3, JROTC4
Grade Placement: 9-12
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
Industry-Based Certification: None
JROTCP will count as a PE credit.
There is no military service obligation. The JROTC program prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and provides instruction and rewarding opportunities that benefit the student, community, and nation. Each JROTC unit is structured along the lines of a military unit to develop student leadership at each grade level under the direct supervision of the instructors. The scope, focus, and content of the instruction is sequential; it reflects and builds on the previous year's curriculum. In addition to the emphasis placed on citizenship and leadership, the development of communication skills, the incorporation of historical perspectives, the requirement for competitiveness in physical fitness and military skills; the significance of service learning is emphasized. Students are guided by experienced leaders who help them develop self-awareness, confidence, the necessary skills to be good leaders, and understand their potential. There will be a physical and cognitive skill assessment within the first 2 weeks of the fall semester to determine a Cadet's abilities. Cadets will set personal goals based on their data from the assessments with regard to improvements needed to meet the minimum required standard or to increase their abilities if the minimum standard was met. The assessments will be repeated throughout the semester to monitor progress and allow Cadets to adjust their personal goals. Cadets who do not meet the minimum standards by the end of the fall semester will be removed.

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: Employment
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 in the first week of school. Students 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
Prerequisite: Employment
Credit: 3
The extended career preparation is a 15-hour or more internship of the course listed above.

CAREER PREPARATION II
CRP002
Grade Placement: 12
Prerequisite: Career Preparation 1, employment
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. Students must work an average of 10+ hours per week in a paid position during the entire school year.

EXTENDED CAREER PREPARATION II
CRP004
Grade Placement: 12
Prerequisite: Career Preparation I, employment
Credit: 3
The extended career preparation is a 15-hour or more internship of the course listed above.

CAREER AND TECHNICAL EDUCTION PROJECT-BASED CAPSTONE
OTH017 and OTH018 (RHS, RHHS), OTH17C and OTH18C (GBCCA)
Grade Placement: 11-12
Prerequisite: Project proposal approval required by CTE Executive Director
Credit: 1
Career and technical education instruction provides content aligned with challenging academic standards and relevant technical knowledge and skills for students to further their education and succeed in current or emerging professions. In the Career and Technical Education Project-Based Capstone, students independently or collaboratively investigate real-world problems, issues, or interests. This course applies to a variety of career and technical education career clusters and programs of study. Career and Technical Education Project-Based Capstone is a course designed for students to develop and enhance essential skills while investigating real-world problems, issues, or interests. Students work independently or collaboratively with others within or across career clusters or programs of study. Students partner with mentor(s) or advisor(s) to develop a project. Students conduct research, compile findings, implement project activities appropriate to student contribution, and present their work to a relevant audience that may include industry experts. To attain academic success, students must have opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings to become productive and contributing members of society. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

GENERAL EMPLOYABILITY SKILLS I, II, III, IV
***GEM1M, *GEM2M, *GEM3M, *GEM4M**
Grade Placement: 9-12
Prerequisite: None
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 the 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.

STUDENT TO INDUSTRY CONNECTION
STU2IN
Grade Placement: 11-12
Prerequisite: None
Credit: 1 per year; first time taken state credit, second time taken local credit
This course provides students with the opportunity to develop professional relationships with experienced individuals within the students' chosen program of study and to demonstrate necessary skills in the workplace. Students will learn acceptable etiquette and professionalism in the work environment. The course may include a work-based learning component. Instruction will support students with marketable skills attainment. The course is recommended for students 16 years of age or older.

Fine Arts
Music

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)
Band			
Sub Non Varsity Band B (C, D, etc.) I-IV	1	9-12	Audition required
Sub Non Varsity Band A I-IV	1	9-12	Audition required
Non Varsity Band I-IV	1	9-12	Audition required
Varsity Band I-IV	1	9-12	Audition required
Instrumental Performance Ensemble – Band I-IV	1	9-12	Concurrent enrollment in band or orchestra with director approval
Percussion Ensemble I-IV	1	9-12	Audition required
Jazz Band I-IV	1	9-12	Audition required, must be concurrently enrolled in Band I-IV
Choir			
Non-Varsity Tenor-Bass Choir I-IV	1	9-12	Audition required
Sub Non-Varsity Treble Choir I-IV	1	9-12	Audition required
Non-Varsity Treble Choir I-IV	1	9-12	Audition required
Non-Varsity Mixed Choir I-IV	1	9-12	Audition required
Varsity Mixed Choir I-IV	1	9-12	Audition required
Treble A Capella Choir I-IV	1	10-12	Audition required, must be concurrently enrolled in Choir I-IV
Mixed A Capella Choir I-IV	1	9-12	Audition required, must be concurrently enrolled in Choir I-IV
Tenor Bass A Capella Choir I-IV	1	10-12	Audition required, must be concurrently enrolled in Choir I-IV
Orchestra			
Sub Non Varsity Orchestra C (D, etc.) I-IV	1	9-12	Audition required
Sub Non Varsity Orchestra B I-IV	1	10-12	Audition required
Sub Non Varsity Orchestra A I-IV	1	9-12	Audition required
Non Varsity Orchestra I-IV	1	10-12	Audition required
Chamber Ensemble II-IV	1	10-12	Audition required
Piano and Theory			
Piano Performance I	1	9-12	None
Piano Performance II-IV	1	10-12	Instructor approval
IB Music	2	11 and 12	Concurrent enrollment in Choir III/IV, Band III/IV, Orchestra III/IV, or Piano III/IV and IB Diploma Candidate or approved application
AP Music Theory	1	11-12	Concurrent enrollment in Choir, Band, Orchestra, Piano III/IV, or other approved musical experience

BAND

All students enrolled in band are required to participate in the marching band. Exceptions may be made for students enrolled in a school UIL activity that is in competition season, such as, football or volleyball. All exceptions must be approved by the director of bands and/or the director of Fine Arts.

PERCUSSION ENSEMBLE I
FINBV1
Grade Placement: 9
Prerequisite: Audition required
Credit: FINBV1 receives 1 Fine Arts credit plus .5 PE substitution credit
This course provides an opportunity for students to continue instrumental development at an intermediate/advanced level. All students are members of the marching band in the fall semester, and their designated concert ensemble in the spring 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. All members will also perform at all 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. This is a full-year course.

PERCUSSION ENSEMBLE II-IV
FINBV2, FINBV3, FINBV4
Grade Placement: 10-12
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 at an intermediate/advanced level. All students are members of the marching band in the fall semester, and their designated concert ensemble in the spring 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. All members will also perform at all 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. This is a full-year course.

SUB NON VARSITY A (B, C, ETC.) BAND I
FINBC1
Grade Placement: 9
Prerequisite: Audition required
Credit: FINBH1 receives 1 Fine Arts credit plus .5 PE substitution credit
This course provides an opportunity for students to continue instrumental development at an intermediate/advanced level. All students are members of the marching band in the fall semester, and their designated concert ensemble in the spring 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. All members will also perform at all percussion competitions and percussion concerts. Attendance at all outside of school rehearsals and performances is required. This is a full-year course.

SUB NON VARSITY A (B, C, ETC.) BAND II-IV
FINBC2, FINBC3, FINBC4
Grade Placement: 10-12
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. All students are members of the marching band in the fall semester, and their designated concert ensemble in the spring 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. This is a full-year course.

NON VARSITY BAND I
FINBS1
Grade Placement: 9
Prerequisite: Audition required
Credit: FINBFS1 receives 1 Fine Arts credit plus .5 PE substitution credit
This course provides an opportunity for students to continue instrumental development at an intermediate/advanced level. All students are members of the marching band in the fall semester, and their designated concert ensemble in the spring 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. All members will also perform at all percussion competitions and percussion concerts. Attendance at all outside of school rehearsals and performances is required. This is a full-year course.

NON VARSITY BAND II-IV
FINBS2, FINBS3, FINBS4
Grade Placement: 10-12
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 intermediate/advanced level. All students are members of the marching band in the fall semester, and their designated concert ensemble in the spring 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. This is a full-year course.

VARSITY BAND 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. This is a full-year course.

JAZZ BAND I
FINFJ01
Grade Placement: 9
Prerequisite: Audition required, must be concurrently enrolled in Band I
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, 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. This is a full-year course.

JAZZ BAND II-IV
FINJ02, FINJ03, FINJ04
Grade Placement: 10-12
Prerequisite: Audition required, must be concurrently enrolled in Band I-IV
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. This is a full-year course.

INSTRUMENT PERFORMANCE ENSEMBLE - BAND I
FINES1
Prerequisite: Concurrent enrollment in band or orchestra with director approval
Credit: 1
Students develop foundation skills that develop musicianship, including music reading, technique, and ensemble skills. The course is taken in the corresponding block to the student's respective Band class. There is no PE substitution credit for this course.

INSTRUMENTAL PERFORMANCE ENSEMBLE - BAND II-IV
FINES2, FINES3, FINES4
Grade Placement: 10-12
Prerequisite: Concurrent enrollment in band or orchestra with director approval
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

NON-VARSITY TENOR-BASS CHOIR I
FINCM1
Grade Placement: 9
Prerequisite: Audition required
Credit: 1
This course is for students with tenor and bass voices and beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent 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. This is a full-year course.

NON-VARSITY TENOR-BASS CHOIR II-IV
FINCM2, FINCM3, FINCM4
Grade Placement: 10-12
Prerequisite: Audition required
Credit: 1
This course is for students with tenor and bass voices and beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent 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. This is a full-year course.

SUB NON-VARSITY TREBLE CHOIR I
FINCW1
Grade Placement: 9
Prerequisite: Audition required
Credit: 1
This course is for students with treble voices and beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent 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. This is a full-year course.

SUB NON-VARSITY TREBLE CHOIR II-IV
FINCW2, FINCW3, FINCW4
Grade Placement: 10-12
Prerequisite: Audition required
Credit: 1
This course is for students with treble voices and beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent 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. This is a full-year course.

NON-VARSITY TREBLE CHOIR I
FINCI1
Grade Placement: 9
Prerequisite: Audition required
Credit: 1
This course is for students with treble voices and beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent 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. This is a full-year course.

NON-VARSITY TREBLE CHOIR II-IV
FINCI2, FINCI3, FINCI4
Grade Placement: 10-12
Prerequisite: Audition required
Credit: 1
This course is for students with treble voices and intermediate/advanced skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent 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. This is a full-year course.

NON-VARSITY MIXED CHOIR I
FINCJ1
Grade Placement: 9
Prerequisite: Audition required
Credit: 1
This choir is for all 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 the 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. This is a full-year course.

NON-VARSITY MIXED CHOIR II-IV
FINCJ2, FINCJ3, FINCJ4
Grade Placement: 10-12
Prerequisite: Audition required
Credit: 1
This choir is for all 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 the 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. 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 all 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 the 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. This is a full-year course.

TREBLE A CAPELLA CHOIR II-IV
FINCS1, FINCS2, FINCS3, FINCS4
Grade Placement: 9-12
Prerequisite: Audition required, must be concurrently enrolled in Choir I-IV
Credit: 1
This course is for all students interested in pursuing the study and performance of A Cappella vocal 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 enrollment in one of the Varsity Choirs. Attendance at after-school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course.

MIXED A CAPELLA CHOIR I
FINCH1
Grade Placement: 9
Prerequisite: Audition required, must be concurrently enrolled in Choir I
Credit: 1
This course is for all students interested in pursuing the study and performance of A Cappella vocal 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 enrollment in one of the Freshman Non-Varsity choirs. Attendance at after-school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course.

MIXED A CAPELLA CHOIR II-IV
FINCH2, FINCH3, FINCH4
Grade Placement: 10-12
Prerequisite: Audition required, must be concurrently enrolled in Choir II-IV
Credit: 1
This course is for all students interested in pursuing the study and performance of A Cappella vocal 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 enrollment in one of the Varsity Choirs. Attendance at after-school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course.

TENOR BASS A CAPPELLA CHOIR II-IV
FINTB2, FINTB3, FINTB4
Grade Placement: 10-12
Prerequisites: Audition required, must be concurrently enrolled in Choir I-IV
Credit: 1
This course is for all students interested in pursuing the study and performance of A Cappella vocal 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 enrollment in one of the Varsity Choirs. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course.

ORCHESTRA

SUB NON VARISTY C ORCHESTRA I
FINOS1
Grade Placement: 9
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. This is a full-year course.

SUB NON VARSITY C ORCHESTRA II-IV
FINOS2, FINOS3, FINOS4
Grade Placement: 10-12
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. This is a full-year course.

SUB NON VARSITY B ORCHESTRA I
FINSI1
Grade Placement: 9
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. This is a full-year course.

SUB NON VARSITY B ORCHESTRA II-IV
FINSI2, FINSI3, FINSI4
Grade Placement: 10-12
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. This is a full-year course.

SUB NON VARSITY A ORCHESTRA I
FINSH1
Grade Placement: 9
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. This is a full-year course.

SUB NON VARSITY A ORCHESTRA II-IV
FINSH2, FINSH3, FINSH4
Grade Placement: 10-12
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. This is a full-year course.

NON VARSITY 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. 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. This is a full-year course.

CHAMBER ENSEMBLE I-IV
FINCB1, FINCB2, FINCB3, FINCB4
Grade Placement: 10-12
Prerequisite: Audition required, must be concurrently enrolled in Varsity Orchestra
Credit: 1
This ensemble is a string-only ensemble that provides an opportunity for students to continue instrumental development at a highly advanced level in a smaller ensemble setting. Students will experience quartet-style playing with different genres of music ranging from baroque to 20th. Century music. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course.

PIANO AND THEORY

PIANO PERFORMANCE I
FINP01
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. Students will need access to a piano at home for practice. Students can rent a small electronic piano from Rockwall ISD for a fee of $50.00 per year. No charge for materials or books.

PIANO PERFORMANCE II-IV
FINP02, FINP03, FINP04
Grade Placement: 9-12
Prerequisite: Instructor approval
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. Students will need access to a piano at home for practice. Students can rent a small electronic piano from Rockwall ISD for a fee of $50.00 per year. No charge for materials or books.

IB MUSIC
FIN10I, FIN20I
Grade Placement: 11 and 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
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: 2
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 students' 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: 11-12
Prerequisite: Concurrent enrollment in Choir, Band, Orchestra, Piano III/IV, or other approved musical experience
Credit: 1
Students are required to take an Advanced Placement exam. Students in grade 10 may enroll with instructor approval.
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.

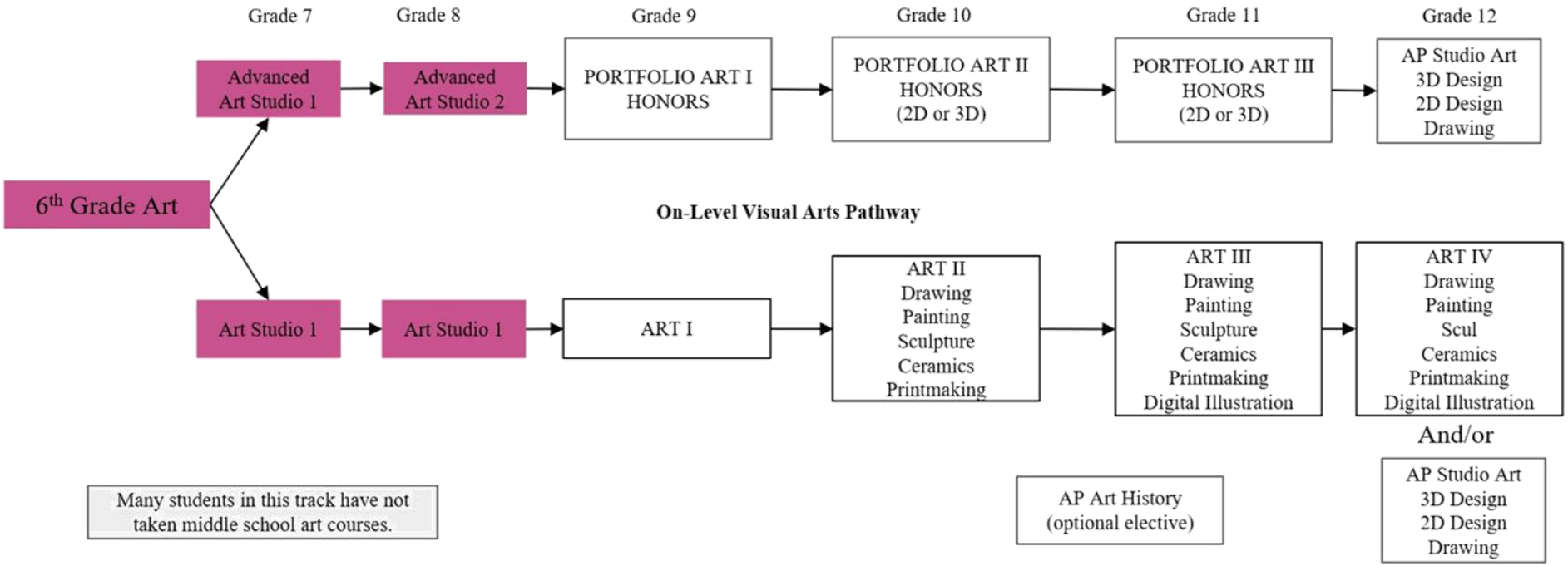
Fine Arts
Visual Arts

The Visual Arts Department requires all students to have specific supplies for every course which will be provided to the students. There is a required Art fee for these supplies. Financial assistance or payment plans are available for those who qualify and must be applied for by parents or guardians.

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)
Art I	1	9-12	None
Art II-IV Drawing	1	10-12	Art I or portfolio review
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
ART III-IV Digital Illustration	1	11-12	Instructor approval and Art II or portfolio review
Portfolio Art I Honors	1	9-12	Portfolio review
Portfolio Art II Honors —2-D Design	1	10-12	Portfolio review
Portfolio Art II Honors —3-D Design	1	10-12	Portfolio review
Portfolio Art III Honors —2-D Design	1	11-12	Portfolio review
Portfolio Art III Honors —3-D Design	1	11-12	Portfolio review
AP Studio Art Drawing	1	11-12	Portfolio review
AP Studio Art 2-D Design	1	11-12	Portfolio review
AP Studio Art 3-D Design	1	11-12	Portfolio review
AP Art History	1	10-12	None
IB Visual Arts	1 or 2	11 and/or 12	Art I or Teacher approval
IB Film	1	11 or 12	Enrollment in the IB Diploma Programme or approved application
CTE Courses that Confer Fine Arts Credit			
Floral Design	1	10-12	None
Digital Art and Animation	1	10-12	None

Grades 7-12 Visual Arts

Advanced Academic Visual Arts Pathway



VISUAL ARTS

ART I
ART001
Grade Placement: 9-12
Prerequisite: None
Credit: 1
This 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. All necessary supplies for the course will be provided by the required supply fee.

ART II-IV DRAWING
ARTD02, ARTD03, ARTD04
Grade Placement: 10-12
Prerequisite: Art I or portfolio review
Credit: 1
This course is a continuation of the drawing skills studied in the Art I class. This course focuses on the creativity and exploration of drawing media. Students are required to create a working portfolio. All necessary supplies for the course will be provided by the required supply fee.

ART II-IV PAINTING
ARTP02, ARTP03, ARTP04
Grade Placement: 10-12
Prerequisite: Art I or portfolio review
Credit: 1
This course offers an in-depth exploration of a variety of painting techniques and media. Students are required to create a working portfolio. All necessary supplies for the course will be provided by the required supply fee.

ART II-IV CERAMICS
ARTC02, ARTC03, ARTC04
Grade Placement: 10-12
Prerequisite: Art I or portfolio review
Credit: 1
This course explores figurative sculpture and functional uses of clay. Students create clay works using the potter's wheel and other methods. Students are required to create a working portfolio. All necessary supplies for the course will be provided by the required supply fee.

ART II-IV SCULPTURE (THREE-DIMENSIONAL WORK)
ARTS02, ARTS03, ARTS04
Grade Placement: 10-12
Prerequisite: Art I or portfolio review
Credit: 1
This course is an exploration of three-dimensional media and techniques. This in-depth study involves a wide variety of skills, approaches and materials for making three-dimensional work. Students are required to create a working portfolio. All necessary supplies for the course will be provided by the required supply fee.

ART II-IV PRINTMAKING
ARPRT2, ARPRT3, ARPRT4
Grade Placement: 10-12
Prerequisite: Art I or portfolio review
Credit: 1
This course is an in-depth exploration of a variety of printmaking techniques and media. Students are required to create a working
Portfolio. All necessary supplies for the course will be provided by the required supply fee.

ART III-IV DIGITAL ILLUSTRATION
ARTI03
Grade Placement: 11-12
Prerequisite: Instructor approval and Art II or portfolio review
Digital Illustration is a continuation of the artistic skills studied in the Art II class. This course focuses on the creativity and exploration of digital art making tools and techniques. Students are required to create a working portfolio. All necessary supplies for the course will be provided by the required supply fee.

PORTFOLIO ART I HONORS
ART01P
Grade Placement: 9-12
Prerequisite: Portfolio review
Credit: 1
This course is designed for the advanced, dedicated artist. Work is directed towards the AP Portfolio. Students make slide portfolios for final grade. All necessary supplies for the course will be provided by the required supply fee.

PORTFOLIO ART II HONORS – 2-D DESIGN
ART02P
Grade Placement: 10-12
Prerequisite: Portfolio review
Credit: 1
This 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. All necessary supplies for the course will be provided by the required supply fee.

PORTFOLIO ART II HONORS – 3-D DESIGN
ART04P
Grade Placement: 10-12
Prerequisite: Portfolio review
Credit: 1
This 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 the final grade. All necessary supplies for the course will be provided by the required supply fee.

PORTFOLIO ART III HONORS – 2-D DESIGN
ART05P
Grade Placement: 11-12
Prerequisite: Portfolio review
Credit: 1
This 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 the final grade. All necessary supplies for the course will be provided by the required supply fee.

PORTFOLIO ART III HONORS – 3 D DESIGN
ART06P
Grade Placement: 11-12
Prerequisite: Portfolio review
Credit: 1
This 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 the final grade. All necessary supplies for the course will be provided by the required supply fee.

AP STUDIO ART DRAWING
ART05A
Grade Placement: 11-12
Prerequisite: Portfolio review
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 (20 pieces of work) of artwork that demonstrates the student's growth and development in two specific categories: selected works and sustained investigation (an in-depth exploration of a particular drawing concern). Permission of an art instructor is required. In addition to the AP class, another studio class is recommended.

AP STUDIO ART 2-D DESIGN
ART06A
Grade Placement: 11-12
Prerequisite: Portfolio review
Credit: 1
Students are required to take an Advanced Placement exam.
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 (20 pieces of work) of artwork that demonstrates the student's growth and development in two specific categories: selected works and sustained investigation (an in-depth exploration of a particular design concern). Permission of an art instructor is required. In addition to the AP class, another studio class is recommended.

AP STUDIO ART 3-D DESIGN
ART07A
Grade Placement: 11-12
Prerequisite: Portfolio review
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 two specific categories: selected works and sustained investigation (an in-depth exploration of a particular design concern). Permission of an art instructor is required. In addition to the AP class, another studio class is recommended.

AP ART HISTORY
ART08A
Grade Placement: 10-12
Prerequisite: None
Credit: 1
Students are required to take an Advanced Placement exam.
This 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
ART01I, ART02I, ART03I
Grade Placement: 11 or 12 (Standard Level) or 11 and 12 (Higher Level)
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: Art 1 or teacher approval
Credit: 1 or 2
Students are required to take the appropriate IB assessments.
This 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
FIN01I
Grade Placement: 11 or 12
Eligibility: IB Diploma Candidate or IB course enrollment with teacher recommendation
Prerequisite: None
Credit: 1
Students are required to take the appropriate IB assessments.
This 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.

CTE Courses that Confer Fine Arts Credit

FLORAL DESIGN
AFN017
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: Principles of Agriculture, Food & Natural Resource
Credit: 1
This course fulfills the state requirement for a fine arts credit.
This course is designed to develop students' ability to identify and demonstrate the elements and principles of 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 develop respect for the traditions of and appreciation for the contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic knowledge and skills, 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 need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Students are expected to earn the Industry-Based Certification.

DIGITAL ART AND ANIMATION
ATC014
Grade Placement: 10-12
Required Prerequisite: None
Recommended Prerequisite: None
Credit: 1
This course is the gateway into the world of design and animation. Students will explore the fundamental building blocks of design and see how they apply to both class projects and the impressive work of master artists in the field. Students will use Adobe programs to enhance their knowledge and skills.

Fine Arts
Theatre Arts

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)
Studio Theatre I	1	9-12	None
Musical Theatre I	1	9-12	Middle school Theatre or Studio Theatre I and audition/teacher approval
9th Grade Theatre Production I	1	9	Middle school Theatre and audition/teacher approval
Technical Theatre I	1	9-12	None
Studio Theatre II-IV	1	10-12	Studio Theatre I
Musical Theatre II-IV	1	10-12	Musical Theatre I and audition/teacher approval
Junior Varsity Theatre Production II-IV	1	10-12	Studio Theatre I or 9th grade Theatre Production and audition/teacher approval
Varsity Theatre Production I-IV	1	10-12	Studio Theatre I or 9th grade Theatre Production and audition/teacher approval
Technical Theatre II-IV	1	10-12	Technical Theatre I and application /teacher approval
Performing Arts Center Management	1	10-12	Technical Theatre I and application /teacher approval

STUDIO THEATRE I
THE001
Grade Placement: 9-12
Prerequisite: None
Credit: 1
This is a performance-based course that 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 per school year, with a written critique.

MUSICAL THEATRE I
THEMU1
Grade Placement: 9-12
Prerequisite: Middle school theatre or Studio Theatre I and audition/teacher approval
Credit: 1
This is a performance-driven production course that is designed for students who are committed to deepening their understanding of the craft, history, and business of musical theatre. Students will continue to build upon foundational skills in acting, voice, movement, and dance while participating in competitive performance opportunities such as the Texas State Thespian Festival and Broadway Dallas High School Musical Theatre Awards. This course operates as a working theatre company, producing an in-class musical. Auditions for this class are held in the Spring Semester prior to the school year. Students will maintain a professional working portfolio to document their growth, responsibilities, and creative contributions throughout the year. Requirements include auditioning for all in-class and mainstage productions and attendance of two live theatrical performances selected from professional, community, and/or educational theatre each year, one per semester, with a written critique.

9TH GRADE THEATRE PRODUCTION
THE01A
Grade Placement: 9
Prerequisite: Middle school theatre and audition/teacher approval
Credit: 1
This is a performance-driven production course that is designed for students who are committed to deepening their understanding of the craft, history, and business of live theatre. Students will continue to build upon foundational skills in acting, directing, design, and technical theatre while participating in competitive performance opportunities such as the UIL One-Act Play and the Texas State Thespian Festival. This course operates as a working theatre company, where students are expected to take on active roles in the production process—both onstage and behind the scenes—including performance, stage management, marketing, design, and technical execution. Students will maintain a professional working portfolio to document their growth, responsibilities, and creative contributions throughout the year. Requirements include auditioning for all in-class and mainstage productions and attendance of two live theatrical performances selected from professional, community, and/or educational theatre each year, one per semester, with a written critique.

TECHNICAL THEATRE I
THET01
Grade Placement: 9-12
Prerequisite: None
Credit 1
Class size will be limited to no more than 15 students per RISD safety regulations.
This is an introductory lecture and laboratory course that explores all technical aspects of theatre production and theatre safety protocols. Areas of study include history, concepts, theory and application of scenic design, construction, lighting, sound, costumes, make-up, properties, script analysis, responsibilities of technical production staff, and careers in this field. Requirements include attendance at one live theatrical performance selected from professional, community, and/or educational theatre per school year, with a written critique, or serving on a Technical crew for one of the mainstage productions.

STUDIO THEATRE II – IV
THE002, THE003, THE004
Grade Placement: 10-12
Prerequisite: Studio Theatre I
Credit: 1
This is a performance-based course that incorporates the 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 per school year, with a written critique.

MUSICAL THEATRE II – IV
THEMU2, THEMU3, THEMU4
Grade Placement: 10 -12
Prerequisite: Musical Theatre I and audition/teacher approval
Credit: 1
This is a performance-driven production course that is designed for students who are committed to deepening their understanding of the craft, history, and business of musical theatre. Students will continue to build upon foundational skills in acting, voice, movement, and dance while participating in competitive performance opportunities such as the Texas State Thespian Festival and Broadway Dallas High School Musical Theatre Awards. This course operates as a working theatre company, producing an in-class musical. Auditions for this class are held in the Spring Semester prior to the school year. Students will maintain a professional working portfolio to document their growth, responsibilities, and creative contributions throughout the year. Requirements include auditioning for all in-class and mainstage productions and attendance of two live theatrical performances selected from professional, community, and/or educational theatre each year, one per semester, with a written critique.

JUNIOR VARSITY THEATRE PRODUCTION
THEJV2, THEJV3, THEJV4
Grade Placement: 10 - 12
Prerequisite: Studio Theatre I or 9th Grade Theatre Production and audition/teacher approval
Credit: 1
This is a performance-driven production course that is designed for students who are committed to deepening their understanding of the craft, history, and business of live theatre. Students will continue to build upon foundational skills in acting, directing, design, and technical theatre while participating in competitive performance opportunities such as the UIL One-Act Play and the Texas State Thespian Festival. This course operates as a working theatre company, where students are expected to take on active roles in the production process—both onstage and behind the scenes—including performance, stage management, marketing, design, and technical execution. Students will maintain a professional working portfolio to document their growth, responsibilities, and creative contributions throughout the year. Requirements include auditioning for all in-class and mainstage productions and attendance of two live theatrical performances selected from professional, community, and/or educational theatre each year, one per semester, with a written critique.

VARSITY THEATRE PRODUCTION
THEP01, THEP02, THE03
Grade Placement: 10 - 12
Prerequisite: Studio Theatre I or 9th Grade Theatre Production and audition/teacher approval
Credit: 1
This is a performance-driven production course that is designed for students who are committed to deepening their understanding of the craft, history, and business of live theatre. Students will continue to build upon foundational skills in acting, directing, design, and technical theatre while participating in competitive performance opportunities such as the UIL One-Act Play and the Texas State Thespian Festival. This course operates as a working theatre company, where students are expected to take on active roles in the production process—both onstage and behind the scenes—including performance, stage management, marketing, design, and technical execution. Students will maintain a professional working portfolio to document their growth, responsibilities, and creative contributions throughout the year. Requirements include auditioning for all in-class and mainstage productions and attendance of two live theatrical performances selected from professional, community, and/or educational theatre each year, one per semester, with a written critique.

TECHNICAL THEATRE II-IV
THET02, THET03, THET04
Grade Placement: 10-12
Prerequisite: Technical Theatre I and teacher approval
Credit 1
Class size will be limited to no more than 15 students per RISD safety regulations.
This is an advanced lecture and laboratory course that explores all technical aspects of theatre production and theatre safety protocols. Areas of study include history, concepts, theory and application of scenic design, construction, lighting, scenic painting, sound, costumes, make-up, properties, script analysis, responsibilities of technical production staff, and careers in this field. This course may require after school participation. Requirements include attendance at two live theatrical performances selected from professional, community and/or educational theatre per school year, with a written critique, or serve on two Technical crew for one of the mainstage productions.

PERFORMING ARTS CENTER (PAC) MANAGEMENT
THMGT2, THMGT3, THMGT4
Grade Placement: 10-12
Prerequisite: Technical Theatre I and teacher approval
Credit 1
Students must be 16 years or older and will be required to complete an employment application through RISD in order to work paid events.
Students will engage in the daily operations of the needs and events in the Rockwall ISD Performing Arts Centers (PACs) and connected performance spaces, such as: venue operations, production planning and event setup and teardown. Students will be trained in the technical systems of the PACs. 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 at paid events after successful demonstration of course skills.

Fine Arts
Dance

Course Name	Credits	Grade Levels	Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)
Principles of Dance I	1	9-12	None
Principles of Dance II-IV	1	10-12	Instructor approval
Dance Performance Ensemble I-IV	1	9-12	Audition required for Dance II, III and IV; Tryouts may be required for JV and Varsity drill team
Dance I - III Composition and Improvisation	1	10-12	Audition required for JV and Varsity, Dance Performance Ensemble or Dance I-II, Director Placement
Dance Flag Performance I-IV	1	9-12	Audition required

PRINCIPLES OF DANCE I
DANCFN or DAN005
Grade Placement: 9-12
Prerequisite: None
Credit: 1 (1 credit for Fine Arts or 1 credit for 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. This is a full-year course.

PRINCIPLES OF DANCE II-IV
DAN002, DAN003, DAN004
Grade Placement: 10-12
Prerequisite: Instructor approval
Credit: 1
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. This is a full-year course.

DANCE PERFORMANCE ENSEMBLE I DRILL TEAM
DAND01
Grade Placement: 9
Prerequisite: Audition required for Dance II, III, and IV. Tryouts may be required for JV and Varsity drill team
Credit: 1 (1 credit for Fine Arts concurrent with 1 PE substitution)
This course provides an opportunity for students to learn or continue to learn dance and drill team skills. All students are members of the drill team and will perform at football games, pep assemblies, parades, and other designated events during the fall semester. All students will participate in show production, dance competitions, and other designated events during the spring semester. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course.

DANCE PERFORMANCE ENSEMBLE II-IV DRILL TEAM
DAND02, DAND03, DAND04
Grade Placement: 10-12
Prerequisite: Audition required for Dance II, III, and IV. Tryouts may be required for JV and Varsity drill team
Credit: 1 (1 credit for Fine Arts concurrent with 1 PE substitution)
This course provides an opportunity for students to learn or continue to learn dance and drill team skills. All students are members of the drill team and will perform at football games, pep assemblies, parades, and other designated events during the fall semester. All students will participate in show production, dance competitions, and other designated events during the spring semester. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course.

DANCE COMPOSITION AND IMPROVISATION I-III
DANIC1, DANIC2, DANIC3
Grade Placement: 10-12
Prerequisite: Audition required for JV and Varsity, Dance Performance Ensemble or Dance I-II, Director Placement
Credit: 1
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. This is a full-year course.

DANCE FLAG PERFORMANCE I
DANF01
Grade Placement: 9
Prerequisite: Audition required
Credit: 1 (1 credit for Fine Arts concurrent with 1 PE substitution)
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 contest. 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. This is a full-year course.

DANCE FLAG PERFORMANCE II-IV
DANF02, DANF03, DANF04
Grade Placement: 10-12
Prerequisite: Audition required
Credit: 1 (1 credit for Fine Arts concurrent with 1 PE substitution)
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 contest. 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. This is a full-year course.

Physical Education			
Course Name	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state required prerequisites)**
Outdoor Recreation	1	9-12	None
Weight Training I-III	1	10-12	Skill-based Activities, Fitness and Wellness
Fitness and Wellness	1	9-12	None
Skill-Based Activities	1	9-12	None
Off-Campus Physical Activity	1	9-12	None

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 – receive a waiver
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. Students can earn up to 4 credits.
    - A list of approved private or commercially sponsored activity programs is available on the district website.
    - Students in 6th through 12th grade who participate in OCPA will be required to pay an administrative fee.
    - OCPA application and administrative fees are due no later than August 01 for the fall semester and no later than December 01 for the spring semester.
    - Those students who are scheduled for a full year by August 01 do not need to register again in December.
    - Students may pay yearly or by semester if desired.

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.

OUTDOOR RECREATION
PED006
Prerequisite: None
Grade Placement: 9-12
Credit: 1
The Texas Education Agency requires all students in grades 9th through 12th to complete I year of a TEKS-based Physical Education course §§116.62-116.64 for graduation. The Lifetime Recreation and Outdoor Pursuits course provides opportunities for students to develop competency in five or more lifelong recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits participate in activities that promote respect for and connection to nature and the environment, and opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement, such as camping, hiking, navigation, boater education, angler education, hunter education, archery, outdoor survival safety, team building, lawn games, skating, and disc sports.

FITNESS AND WELLNESS
PED001
Prerequisite: None
Grade Placement: 9-12
Credit: 1
The Texas Education Agency requires all students in grades 9th through 12th to complete I year of a TEKS-based Physical Education course §§116.62-116.64 for graduation. The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities to attain personal fitness and lifetime wellness.

WEIGHT TRAINING I-III
PEDW04, PEDW05, PEDW06
Grade Placement: 10-12
Prerequisite: Skill-based Lifetime Activities, Lifetime Fitness and Wellness Pursuits
Credit: 1
Individual Sports best serve 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.

SKILL-BASED ACTIVITIES
PED021
Prerequisite: None
Grade Placement: 9-12
Credit: 1
The Texas Education Agency requires all students in grades 9th through 12th to complete I year of a TEKS-based Physical Education course §§116.62-116.64 for graduation. The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities participate in lifelong activities to include target games, striking and fielding games, fitness activities, rhythmic activities, and innovative games and activities of international significance.

OFF CAMPUS PHYSICAL ACTIVITY
PED008, PED009
Prerequisite: None
Grade Placement: 9-12
Credit: 1
Students are allowed to participate in certain physical activities upon approval by district administration. Students can apply for Category I or Category II upon approval. Students may apply for up to 8 semesters. Please speak with the campus counselor for more information and guidance. Fees apply. See the Rockwall ISD OCPA webpage for more information.

Athletics			
Course Name	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Athletics (as listed)	.5-4	9-12	None
Sports Medicine I	1	9-12	None
Athletic Trainer I-IV	1	9-12	Application required, 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 PE credit (up to a maximum of 4 credits)
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

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 I-IV
PED0TF, PED018, PED019, PED020
Grade Placement: 9-12
Prerequisite: Application required and completion or concurrent enrollment in Sports Medicine
Credit: 1 (Athletic Trainer III and IV are local credit)
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
Prerequisite: Tryout required
Credit: 1 (PE substitution credit for 1st year; Gymnastics for 2nd year - 4th years)
This class meets during the school day and consists of conditioning activities, skill development in several cheerleading techniques, and specific preparations for cheer competitions and game performances. Cheerleaders participate in cheer competitions, summer camps, pep rallies, games, and community events. Students gain membership through tryouts held during the spring semester of the previous school year. A student who successfully completes cheerleading both in fall and spring semesters will receive 1 credit of substitution toward the physical education state graduation requirement. See the Rockwall ISD Cheerleading Handbook for details on tryouts and team requirements.

Health			
Course Name	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Health	.5	9-12	None

HEALTH
HLH001
Prerequisite: None
Grade Placement: 9-12
Credit: .5
The Health course covers topics such as physical and mental health, healthy eating, and substance abuse, preparing students to make responsible decisions. The curriculum is aligned it with the Texas Essential Knowledge and Skills (TEKS) for Health Education. The course will also cover topics such as reproductive health, injury prevention, and consumer health.

Other Courses			
Course Name	**Credits**	**Grade Levels**	**Rockwall ISD Recommended Preparation (courses in bold are state-required prerequisites)**
Academic Decathlon	.5 to 1	10-12	None
Student Leadership	1	9-12	Application required
Peer Assistant Leadership I-II (PALS)	1	11-12	Application required
Office Aide (local credit)	1	12	With approval, at least a "C" average or above, no disciplinary action in the prior semester
Laboratory Management (local credit)	1	12	Teacher approval
H.O.P.E. "Helping our Peers Excel" I-II	.5 state .5 local	9-12	Application
AP Seminar	1	10-12	English I
AP Research	1	11-12	AP Seminar
Methods for Academic and Personal Success (MAPS) I	1	9-10	None
Making Connections I-IV	.5 state	9-12	None

ACADEMIC DECATHLON
@ACDE1, @ACDE2
Grade Placement: 10-12
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 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, receives weighted GPA credit. Weighted GPA points are earned for the first 2 credits earned for this course; subsequent credits will earn local credit only.

STUDENT LEADERSHIP
ILEAD
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.

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 enable 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
@OFCOU (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" I-II
IHOPE1 (fall semester), IHPE1B (spring semester); IHOPE2 (fall semester), IHPE2B (spring semester)
Grade Placement: 9-12
Prerequisite: Application
Credit: .5 state credit for IHOPE1 and IHOPE2, any additional will be local credit
H.O.P.E. (peer assistance for students with disabilities) 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 for 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.

AP SEMINAR
ELA05A
Grade Placement: 10-12
Prerequisite: English 1
Credit: 1
AP Seminar engages students in cross-curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students will be required to complete several performance tasks and assessments in addition to taking the AP Exam for this course. AP Seminar is the first course of College Board's two-year AP Capstone Diploma Program. Students who earn scores of 3 or higher in both AP Seminar and AP Research and on four additional AP Exams will receive the AP Capstone Diploma. There is a fee associated with this course.

AP RESEARCH
ELA06A
Grade Placement: 11-12
Prerequisite: AP Seminar
Credit: 1
AP Research is the second course of College Board's two-year AP Capstone Diploma Program. In this course, students will be building on the research skills they developed in AP Seminar by designing, planning, and conducting a year-long mentored research-based investigation. Students will select to address a real-world topic of their own choosing, write a college-level research paper based on that research, and then present and orally defend their research findings and methodology. AP Research does not require an AP Exam. Students are required to complete all College Board requirements for this course. Student AP credit will be based on (a) their academic paper and (2) their presentation and oral defense of findings. Students who earn scores of 3 or higher in both AP Seminar and AP Research and on four additional AP Exams will receive the AP Capstone Diploma. More information about the AP Capstone Diploma can be found at this link. There is a fee associated with this course.

METHODOLOGY FOR ACADEMIC AND PERSONAL SUCCESS (MAPS) I
***MAP1, IMAP09, IMAP10, IMAP11, IMAP12**
Grade Placement: 9-12
Prerequisite: None
Credit: 1 state credit
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.

MAKING CONNECTIONS I-IV
***MACO1, *MACO2, *MACO3, *MACO4**
Grade Placement: 9-12
Prerequisite: None
Co-requisites: Making Connections I and Making Connections II; Making Connections III and Making Connections IV
Credit: .05 state credit
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 with developing and generalizing appropriate and beneficial social skills, and in turn, increases the student's post-secondary outcome.

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.

All students will have access to the general education 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.

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.

The following course offerings are instructed by special education teachers. Enrollment in these courses are generally determined by a student's ARD Committee.

Special Programs **4 Year Plan: Modified and Alternate Curriculum**				
Course/Subject	**9th/Freshman**	**10th/Sophomore**	**11th/Junior**	**12th/Senior**
English (4 credits)	English I Modified or Alternate	English II Modified or Alternate	English III Modified or Alternate	English IV Modified or Alternate
Mathematics (minimum 3 credits)	Algebra I Modified or Alternate	Geometry Modified or Alternate	Algebra II Modified Algebraic Reasoning Modified or Alternate Financial Math Modified or Alternate	
Science (minimum of 3 credits)	Biology Modified or Alternate	Integrated Physics and Chemistry (IPC) Modified or Alternate	Aquatic Science Modified or Alternate	Earth Systems Science Modified or Alternate
Social Studies (minimum of 3 credits)	World Geography Modified or Alternate	World History Studies Modified or Alternate	United States Studies since 1877 Modified or Alternate	United States Government Modified or Alternate /Economics with Emphasis on Free Enterprise and its Benefits Modified or Alternate
Physical Education (1 credit)	Foundations of Personal Fitness I-IV Partner Program			
Languages Other Than English (LOTE) (minimum of 2 credits)	2 credits from the same language unless a substitute course is designated per ARD decision			
Fine Arts (1 credit)	Theatre Arts I-IV Partner Program (9-12)			
		Art I-III Partner Program (10-12)		
Electives (5 credits for Foundation High School Graduation Plan or 7 credits for Foundation High School Graduation Plan with Endorsement)	Reading I-IV Modified or Alternate (9-12)		Multisensory Reading I-IV (9-12)	
	Methodology for Academic and Personal Success (MAPS) I (9-10)			
	Making Connections I-IV (9-12) • Making Connections I and Making Connections II are co-requisites • Making Connections III and Making Connections IV are co-requisites			
	Activities of Daily Living (ADL) I -IV (9-12)			
	General Employability Skills I, II, III, IV (9-12)			
			Community-Based Vocational Instruction I, II (11-12)	
			Student to Industry Connection (11-12)	
			Path College/Career I-IV (9-12)	
			College Transition (11-12)	

SPECIAL PROGRAMS – ENGLISH LANGUAGE ARTS

ENGLISH I MODIFIED
***ELA1M**
Grade Placement: 9
Prerequisite: ARD decision
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 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 I ALTERNATE
***EL01A**
Grade Placement: 9
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the course.
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 MODIFIED
***ELA2M**
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 ongoing part of the program. The course includes the study 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 II ALTERNATE
***EL02A**
Grade Placement: 10
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the course.
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 ongoing part of the program. The course includes the study 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 MODIFIED
***ELA3M**
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 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 the 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 MODIFIED
***ELA4M**
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 study 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.

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 - MATHEMATICS

ALGEBRA I MODIFIED
***MAT1M**
Grade Placement: 9
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the 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 TI-84 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.

ALGEBRA I ALTERNATE
***MAT1A**
Grade Placement: 9
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the course.
This course meets the individual learning requirements of students by focusing on the 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 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.

GEOMETRY ALTERNATE
***MA02A**
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.

ALGEBRA II MODIFIED
***MTA2M**
Grade Placement: 11-12
Prerequisite: Algebra I, Geometry, ARD decision
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. Students will take the TSIA during this course. This course is a prerequisite for statistics, CTE, and advanced math courses.

FINANCIAL MATH MODIFIED
***MA03M**
Grade Placement: 11-12
Prerequisite: ARD decision
Credit: 1
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. 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 MATHEMATICS ALTERNATE
***MA03A**
Grade Placement: 11-12
Prerequisite: ARD decision
Credit: 1 (math credit)
This course meets the individual learning requirements of students by focusing on the 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 MODIFIED
***MAT8M**
Grade Placement: 11-12
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.

ALGEBRAIC REASONING ALTERNATE
***MA08A**
Grade Placement: 11-12
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 - 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.

INTEGRATED PHYSICS AND CHEMISTRY (IPC) ALTERNATE
***SC02A**
Grade Placement: 9
Prerequisite: ARD decision
Credit: 1
This course uses an 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 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 to acquire 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.

BIOLOGY ALTERNATE
***SC01A**
Grade Placement: 10
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the course.
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 concepts 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 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 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 ALTERNATE
***SCAQA**
Grade Placement: 11
Prerequisite: ARD decision
Credit: 1
This course uses an 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 SYSTEMS SCIENCE MODIFIED
***SCI4M**
Grade Placement: 11-12
Prerequisite: ARD decision
Credit: 1
The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use. This course is designed for students preparing for other than a four-year university.

EARTH SYSTEMS SCIENCE ALTERNATE
***SCI4A**
Grade Placement: 11-12
Prerequisite: ARD decision
Credit: 1
This course uses an 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 Earth Systems Science TEKS. Some variation in course content and emphasis will occur based on the individual learning needs of the student. The Earth Systems Science course is designed to build and develop a student’s knowledge relating to the understanding of Earth’s systems.

SPECIAL PROGRAMS – SOCIAL STUDIES

WORLD GEOGRAPHY MODIFIED
***SSH1M**
Grade Placement: 9-12
Prerequisite: ARD decision
Credit: 1
This course examines the 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 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 the 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 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.

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

UNITED STATES HISTORY STUDIES SINCE 1877 MODIFIED
***SSH4M**
Grade Placement: 11
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the 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. 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 HISTORY STUDIES SINCE 1877 ALTERNATE
***SS04A**
Grade Placement: 11
Prerequisite: ARD decision
Credit: 1
This course requires an EOC assessment at the end of the course.
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 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 levels. 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 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 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.

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 the 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 - 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 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.

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 who will benefit more from an individualized and developmental program than from a 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. 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 Theatre Arts environment.

ART I-III PARTNER PROGRAM
***ARTA1, *ARTA2, *ARTA3**
Grade Placement: 10-12
Prerequisite: ARD decision
Credit: 1
This course is designed for students who will benefit more from an individualized and developmental program than from a general art class. 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 an understanding of the basics. Some variation in course content/emphasis will occur based on the individual learning needs of the students. 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 Art environment.

READING I, II, III, IV MODIFIED
***REA1M, *REA2M, *REA3M, *REA4M**
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.

READING I-IV ALTERNATE
***REA1A, *REA2A, *REA3A, *REA4A**
Grade Placement: 9-12
Prerequisite: ARD decision
Credit: 1
This course is designed to help students meet the expectations of the new standards and experience success in reading. Reading IA, IIA, IIIA, IV provides students with a wide range and quality of genres, increasing the complexity of text to challenge and accelerate student reading and develop academic vocabulary. Some variation in course content/emphasis will occur based on the individual learning needs of the students.

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 to taking care of oneself, 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.

COMMUNITY BASED VOCATIONAL INSTRUCTION I, II
***CBVOC**
Grade Placement: 11-12
Prerequisite: ARD decision
Credit: 1 or 2 per year, local credit only
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 during this unpaid opportunity.
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 school staff.
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 school staff.

PATH COLLEGE CAREER I-IV
***OTCP1, *OTCP2, PATHC3, PATHC4**
Grade Placement: 9-12
Prerequisite: ARD Decision
Credit: 1
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.

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 postsecondary education, this course will provide opportunities to meet these postsecondary opportunities.

STUDENT TO INDUSTRY CONNECTION
STU2IN
Grade Placement: 11-12
Prerequisite: ARD Decision
Credit: 1 per year; first time taken state credit, second time taken local credit
This course provides students with the opportunity to develop professional relationships with experienced individuals within the student's chosen program of study and to demonstrate necessary skills in the workplace. Students will learn acceptable etiquette and professionalism in the work environment. The course may include a work-based learning component. Instruction will support students with marketable skills attainment. The course is recommended for students 16 years of age or older.

ADULT TRANSITION ADULT, LIFE

Prerequisite: Completion of Foundation Graduation Plan, ARD decision

Completed requirements under the 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 areas 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 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 from 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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