

Rockdale
HIGH SCHOOL

**2023 COURSE
2024 GUIDE**



Rockdale

HIGH SCHOOL

Dear Students and Parents,

Rockdale ISD wants your high school experience to be full of meaningful learning that prepares you for success in all your future endeavors. This High School Course Guide will assist students and their parents in selecting courses, which will meet each student's individual needs as well as satisfying state high school graduation requirements.

In preparation for selecting courses, each student will complete an online four-year plan that includes both graduation requirements and the selection of an area of focus, or pathway. A pathway is a career area or a special area of talent or ability. Counselors will guide you in completing this process based on your interests and talents, and will review that plan with you annually.

Please make your course selections carefully. Teacher assignments are based on student course requests, therefore consideration for schedule change requests must meet at least one of the following criteria:

- The student is a senior and does not have a course required for graduation
- The student does not have the prerequisites for a course
- The course credit was previously received (i.e. through summer school, online, or prior year)
- A data-entry error was made by the school (i.e. scheduled course twice, or missing period)

The school may be required to cancel a course offering if there is insufficient enrollment or if certified staff is not available to teach the course. In cases such as this, students will be enrolled on one of the courses they selected as an alternative.

Successful completion of the state-required curriculum will prepare you for the state assessments. In addition to the required curriculum, Rockdale High School offers a variety of elective courses geared toward providing students with training and insight into prospective career choices.

Students will have the opportunity to pursue their interests through these elective courses as they continue to meet their state-required curriculum.

The courses you select will prepare you for your bright future so please choose carefully and enjoy your high school experience!

Sincerely,

Brent Hasselbach

Brent Hasselbach, Principal
Rockdale High School

SECTION I: General Information

Planning For Your Future

Rockdale ISD offers a wide array of high school programs that prepare students for post-high school pursuits. It is recommended that students and parents think in terms of a *six-year plan* that carries students through their first two years beyond high school.

COLLEGE AND CAREER READY

College and career ready high school graduates have the skills, knowledge and abilities needed to succeed in life, whether they plan to attend college (two- or four-year, or technical school) or go directly into the workforce. This means that, since elementary school, students have been academically prepared and provided with the knowledge and skills necessary to plan their careers and live their lives successfully.

At Rockdale ISD, all of our efforts across the district from Pre-K to Graduation are made with the ultimate goal of ensuring each student becomes a successful and productive citizen in our community and society. We believe that students who are College and Career Ready can have a positive influence on their neighborhood and be successful in the workplace.

The Texas Education Agency (TEA) has set forth the standards for College and Career Readiness (CCR) in Texas. Most of the indicators for CCR, as they apply to Rockdale ISD, are below.* A student only needs to be able to check one box to be considered "College and Career Ready."

Evidence of College and Career Readiness

- ☐ AP Exam - Score of 3 or higher on any AP exam
- ☐ ACT Exam - Minimum composite score of 23; minimum 19 on English, minimum 19 on math
- ☐ SAT Exam - Minimum score of 480 on EBRW and minimum score of 530 on math
- ☐ TSIA2 Exam - ELAR Section: CRC score of a 945-990 w/Essay of 5-8 or
CRC of a 910-944 with a Diagnostic Level of 5-6 and an Essay of 5-8
Math: CRC score of 950-990 or
CRC score of 910-949 with a Diagnostic Level of 6
- ☐ College Prep Course - Take and finish the College Bridge online courses in English and math
- ☐ Dual Credit - Earn 3 college credit hours or more in ELAR or mathematics
- ☐ Earn an industry-based certification in a Career and Technical Education course in a completed Program of Study (*i.e. Microsoft Office Certifications, Adobe Certified Associate, CompTIA+, Certified Nursing Assistant, AWS D1.1, AWS D9.1, TSFA Level 1 Floral*)

Evidence of College and Career Readiness must be earned while the student is in high school or immediately following graduation. Scores, credits, or certifications earned prior to enrollment in high school will not count for the purposes of this indicator.

**Not all indicators are listed. Indicators for students receiving special services will be identified during the IEP.*

POST-SECONDARY PREPARATION TIMELINE

Follow this checklist for helpful hints to prepare for your successful future!

8th Grade

- ☐ Complete the career interest survey in January on <http://rockdale-students.ctecoding.com/> (use your Rockdale ISD login information) and add to your profile and portfolio.
- ☐ Review choices offered under the Foundation High School Program and the Endorsements to decide on your future academic path.
- ☐ Visit the high school on 8th grade tour day in January to check out the opportunities in high school.
- ☐ Attend the 8th grade parent night with your parent/guardian in February to learn more about your future.
- ☐ Determine a program of study that will help guide your academic choices.
- ☐ Select the endorsement based on your program of study that best fits your area of personal interest.
- ☐ Meet with the counselor to discuss your career interests and your personal graduation plan (PGP).

Parents/Guardians

- ☐ Discuss your child's career interest survey results and his/her future.
- ☐ Talk about extracurricular activities and getting involved.
- ☐ Attend the 8th grade parent night with your child to learn more about their future.
- ☐ Review the Foundation High School Plan and programs of study offered at RHS.
- ☐ Discuss the personal graduation plan (PGP) with your child and his/her counselor on registration night.

9th Grade

- ☐ Create a basic resume in Freshmen Focus and English I; keep it in your Google Drive.
- ☐ Get involved in the school, extra-curricular activities, and community service activities.
- ☐ Remember to add your list of awards, honors, extracurricular, and community service activities to your resume as you go for scholarship, college, and job applications.
- ☐ Work with your Career and Technical (CTE) teacher on your employability skills.
- ☐ Attend sessions with the counselor on career counseling: www.texasrealitycheck.com
- ☐ Update your personal graduation plan (PGP) with the counselor at the end of the year.

Parents/Guardians

- ☐ Research the leadership organizations, career and technical student organizations, athletic teams, and other activities available for your child to become a member of to determine the best fit.
- ☐ Discuss the personal graduation plan (PGP) at the end of the year with your child to ensure it still aligns with their goals.
- ☐ Help your child set goals for the school year and beyond.
- ☐ Make sure your child meets with the school counselor to discuss post-secondary options.
- ☐ Look into financial aid options if your child is thinking about college.

10th Grade

- ☐ Update your resume and make it your own in English II; keep it in your Google Drive.
- ☐ Remember to add your list of awards, honors, extracurricular, and community service activities to your resume as you go for scholarship, college, and job applications.
- ☐ Work with your Career and Technical (CTE) teacher on your employability skills.
- ☐ Research colleges, universities, technical schools or programs, or employers you are interested in attending or working for. Check admission and application requirements and timelines. You can use <https://texasoncourse.org/> to help you research and plan.
- ☐ Explore interests and take advantage of Career Day opportunities.
- ☐ Attend college nights and talk with school representatives.
- ☐ Take the PSAT and Pre-ACT for practice.
- ☐ Update your personal graduation plan (PGP) with the counselor at the end of the year.

Parents/Guardians

- ☐ Attend college nights with your child and discuss financial aid options with the reps.
- ☐ Discuss the personal graduation (PGP) at the end of the year with your child to ensure it still aligns with their goals.
- ☐ Help your sophomore explore career ideas.
- ☐ Attend PSAT/Pre-ACT Score nights to understand what your child's scores mean.

11th Grade

- ☐ Update your resume and tailor it for your post-secondary future in English III; keep it in your Google Drive.
- ☐ Remember to add your list of awards, honors, extracurricular, and community service activities to your resume as you go for scholarship, college, and job applications.
- ☐ Work with your Career and Technical (CTE) teacher on your employability skills
- ☐ Participate in an internship in your career interest.
- ☐ **College Bound:**
 - ☐ Tour campuses you are interested in attending.
 - ☐ Consider taking a SAT/ACT prep class. Sign up and take the PSAT in the fall.
 - ☐ Sign up and take the ACT and/or SAT in the spring.
- ☐ **Technical School Bound:**
 - ☐ Tour campuses you are interested in attending.
 - ☐ Consider taking a SAT/ACT prep class. Sign up and take the PSAT in the fall.
 - ☐ Sign up and take the ACT and/or SAT in the spring.
- ☐ **Military Bound:**
 - ☐ Consider taking a SAT/ACT prep class. Sign up and take the PSAT in the fall.
 - ☐ Take the ASVAB (if you are at least 16).
 - ☐ Sign up and take the ACT and/or SAT in the spring.
 - ☐ Meet with a recruiter.
- ☐ **Workforce Bound:**
 - ☐ Consider taking a SAT/ACT prep class. Sign up and take the PSAT in the fall.
 - ☐ Sign up and take the ACT and/or SAT in the spring.
 - ☐ Tour job sites of places you are interested in being employed.
- ☐ Update your personal graduation plan (PGP) with the counselor at the end of the year.

Parents/Guardians

- ☐ Help your child stay organized with monthly to-do lists.
- ☐ Remind your junior about internship and scholarship opportunities.

12th Grade

- ☐ Review credits to make sure you are on track for graduation.
- ☐ Finalize your high school resume in English IV for your post-secondary future; keep it in your Google Drive but also email it and share it with your personal email address.
- ☐ Work with your Career and Technical (CTE) teacher on your employability skills.
- ☐ Check with the counselor's office to learn about available scholarships. Be sure to apply early and for as many scholarships as possible.
- ☐ Ask for 3-5 letters of reference/recommendation from teachers.
- ☐ **College Bound:**
 - ☐ Sign up and take the ACT and/or SAT.
 - ☐ Sign up and take the TSI.
 - ☐ Apply for admission to selected schools in fall. Use www.applytexas.org or www.commonapp.com for many college applications.
 - ☐ Complete the FAFSA: <https://studentaid.gov/>
 - ☐ Confirm acceptance to college of choice in spring or as soon as possible.
- ☐ **Technical School Bound:**
 - ☐ Sign up and take the TSI.
 - ☐ Apply for admission to selected schools. Use www.applytexas.org or www.commonapp.com for many college applications.
 - ☐ Complete the FAFSA: <https://studentaid.gov/>
- ☐ **Military Bound:**
 - ☐ Take or retake the ASVAB (if you did not when you were a junior).
 - ☐ Complete paperwork with the recruiter.
- ☐ **Workforce Bound:**
 - ☐ Find job openings.
 - ☐ Apply for internships.
 - ☐ Update your resume.

Parents/Guardians

- ☐ Discuss and support post-secondary choices with your child.

Determining Course Enrollment

PROGRAMS OF STUDY

With help from teachers, guidance counselors, and other influential adults, students will develop their personal graduation plan that identifies the high school academic and skills-based classes, training programs and apprenticeships that will best prepare them for their career path of choice.

A program of study is a coordinated, nonduplicative sequence of rigorous academic and technical content that progresses in specificity. Rockdale ISD offers 12 unique Programs of Study in Career and Technical Education that align with the needs of the regional and local economy, as well as the incorporation of industry-based certification. A full-description of the programs of study can be found in section three of this course guide.

Students can also choose Programs of Study in other areas of interest, including, but not limited to STEM, fine arts, and world languages. Students meet one-on-one with his/her counselor each year to develop and review the personal graduation plan and ensure the student is on track for graduation and long-term success.

ADVANCED ACADEMICS

Curriculum in Advanced Academic courses:

- is more rigorous and focuses on depth rather than breadth
- requires independent learning and requires outside reading and coursework

Advanced Academic instruction includes:

- a variety of assessment formats and periodic timed assessments
- student accountability for independent reading
- the use of a variety of resources beyond the text

Advanced Placement (AP) Courses

Students enrolled in AP courses are expected to take the associated AP exam. Students who are not enrolled in an AP course but have expertise and have engaged in additional learning may elect to take an AP exam by registering through his/her counselor. AP exam scores of three or more count as Performance Acknowledgements, and may earn college credit at many universities. Specific university policies are available at www.collegeboard.com.

Rockdale Accelerated Program (RAP) Courses

Rockdale Accelerated Program (RAP) courses include specific content and activities designed to prepare students for both STAAR and success in college-level Advanced Placement courses. Depth of material requires students to read and write extensively in and out of class. These courses do not offer college credit, but prepare students for AP courses.

The curricula for these courses are:

- built on the core academic curriculum
- academically accelerated
- developed with a concentration on building student capacity to understand rigorous content
- developed to prepare students for AP coursework and for PSAT and SAT testing

Who Should Take AP and RAP Classes?

Before enrolling in RAP and AP courses, students should consider:

1. Interest in intense exploration of the course material.
2. Strong personal commitment to accomplishing objectives and requirements of course.
3. Strong academic history as demonstrated by STAAR scores and grades above 85%.
4. Ability to dedicate appropriate time.
5. Willingness to stretch academically.
6. Willingness to work hard.

Should Students Take All RAP or AP Classes?

Students are encouraged to challenge themselves but also to find a balance among advanced courses, extra-curricular activities and outside activities. Students should select RAP/AP courses in their area(s) of strength. The decision about the number of RAP/AP classes should be an individual decision based on the schedule, out of school commitments and interests of each student.

Requirements for enrolling in RAP or AP Classes

RHS will use multiple data points to determine eligibility for advanced classes. These may include previous course grades, STAAR/EOC results, mock EOC assessments, and TSI/pACT/pSAT/ACT/SAT scores.

Advanced Academic Courses

English I (RAP)	Algebra II (RAP)	Biology I (RAP)	World Geog. (RAP)	Spanish III (RAP)
English II (RAP)	Geometry (RAP)	Physics (RAP)	World History (RAP)	Spanish IV (AP)
	Pre-Calculus (RAP)	Chemistry (RAP)		Spanish III Sp. Speakers (RAP)
	Calculus (AP)	Biology (AP)	Art IV (AP)	Spanish IV Sp. Speakers (RAP)

SUGGESTIONS FOR CLASS PROGRESSIONS

What sequence of Math Classes should my student take?

Algebra→RAP Geometry→RAP Algebra II→RAP Calculus→AP Calculus (*accelerated sequence*)

Algebra→Geometry→Algebra II→RAP Calculus→Statistics or Financial Math (*on-level sequence*)

Algebra→Geometry→Algebraic Reasoning→Algebra II (*support level sequence*)

What sequence of Science Classes should my student take?

RAP Biology→RAP Chemistry→RAP Physics→AP Biology (*accelerated sequence*)

Biology→Chemistry→Physics→ANY fourth year science (*on-level sequence*)

Biology→IPC→Chemistry→Physics/ANY fourth year science (*support level sequence*)

Access to Advanced Academic Courses for Students Receiving Special Education or 504 Services:

Rockdale Independent School District encourages all students to pursue educational opportunities to meet their future goals. The following guidelines are intended to apply to eligible special education and Section 504 students who enroll in Rockdale Accelerated Program (RAP) or Advanced Placement (AP) courses. RAP and AP courses are open to any student wishing to enroll who meet admission requirements. Guidelines for admission are:

- Completion of all prerequisite courses as listed in course guides
- Intense interest in the course
- Strong commitment by the student to complete all requirements of the course
- Reasonable set of learning skills related to the subject

For students who receive services through Special Education or Section 504, careful consideration must be made by all student support systems to ensure appropriate placement and accommodations. IEP/Section 504 Committees, students, counselors, and parents should be aware that these are high-level academic courses, with increased rigor and additional standards than traditional high school courses.

If the student is eligible for an accommodation in a general education classroom, this accommodation may also be available in a RAP or AP class. *Accommodations shall not be implemented if they alter the content or standards of the course.* The following guidelines shall be applicable to all special education and Section 504 students who enroll in a RAP/AP course:

1. Special education and/or Section 504 students shall have equal opportunity to participate in RAP or AP courses upon meeting requirements.
2. Access to a Free Appropriate Public Education (FAPE) does not include access to gifted, enriched, or advanced programs. Regular education programs meet the requirements of FAPE.
3. While IEP/Section 504 committees may wish to consider RAP or AP courses for students who will be attending college, these committees are not required to place students in RAP or AP classes unless they can reasonably expect the student to be successful in the course with the allowable accommodations described in the guidelines below. Special Education students may have these courses considered as part of their transition plan, as appropriate.
4. Accommodations for special education and Section 504 students may not alter the content or academic standards of the RAP or AP course. Thus, certain allowable accommodations, based on the student's disability and determined by the IEP/504 committee, must be provided in RAP/AP classes with the same frequency and rigor as general education.
5. The following are examples of accommodations which would alter the content or standards of the course and, therefore, are not allowed:
 - Special projects in lieu of assignments
 - Exams of reduced length
 - Open book exams
 - Reduced mastery
 - Reteaching difficult tasks
 - Any reduction of content or standards of the course
6. It is important to note that accommodations on College Board exams are subject to approval by the College Board (similar to the SAT and ACT). Appropriate requests for accommodations must be submitted for approval well in advance of the testing period. While the decision to enroll in a RAP or AP class is ultimately to be made by the parent or student, the IEP or Section 504 Committee may meet and recommend removal of the student from the RAP/AP classroom if the student is not meeting the standards applicable to students in the program and, as a result, is failing or at risk of failure.

OPTIONS FOR EARNING HIGH SCHOOL/COLLEGE CREDIT

The following are circumstances where students may have the option to learn a skill, earn high school credit, and/or earn college credit in a setting other than the traditional high school classroom:

Credit by Examination (CBE)

Students may take credit by examination for credit recovery or validation of credit to demonstrate proficiency of the subject matter. Students wishing to recover or validate credits (9-12) can arrange with The University of Texas to take the exam. School districts are not required to provide these assessments. If a student wishes to take a CBE, a parent or guardian must make arrangements directly with the testing organization and pay the fees associated with the exams.

Career Preparation (Work-based Learning)

Career Prep students may be employed during the school day for a maximum of two (2) periods as juniors and/or seniors. Career Prep class is a yearlong program. There will be no admission to the program after the first six weeks. Students must provide documentation of 15 hours per week of employment. Students must supply their own transportation and a valid social security card. Students are responsible for securing their own employment. An enrollment process is required prior to entry in the course to ensure the student, parent/guardian, and employer are aware of the program requirements and can commit to the terms and conditions.

Credit Recovery

Through computer-assisted instruction, students may gain credit for failed courses. Credit recovery is available during the school day, as well as after school. Not all courses are eligible for recovery. Students should contact their school counselor for information.

Dual Credit

Dual credit courses are college level courses that students can take for both high school graduation credit and college credit. Courses accepted for dual credit cover the TEKS for the high school course and meet college guidelines. Rockdale High School offers a dual credit program which allows high school students to earn credit toward graduation and college credit at TC (Temple College) while still in high school. Students must have completed their sophomore year and are required to maintain a full-time student course load and meet eligibility requirements. Other courses may be considered for Dual Credit upon administrative review prior to enrollment in the course.

DUAL CREDIT ELIGIBILITY REQUIREMENTS

Temple College

<i>(Minimum Scores)</i>	Combined	English/Reading/ELAR	Essay	Mathematics
SAT	n/a	480	n/a	530
ACT	23	19	n/a	19
TSI (2.0) ELAR	If 990-945	Then, n/a	And 5-8	
TSI (2.0) ELAR	If 944-910	Then, level 5-6	And 5-8	
TSI (2.0) Math	If 990-950			Then, n/a
TSI (2.0) Math	If 949-910			Then, level 6

- Students will be allowed to take up to 6 credit hours per semester (fall and spring semesters) and a total of nine credits during a summer session.
- Temple College course offerings are contingent upon the availability of staff, course schedule, and enrollment.
- Students must receive a grade of C or better (70 or better) to receive high school credit.

DUAL CREDIT GUIDELINES

Rockdale High School may pay a portion of tuition costs associated with dual credit classes offered by Temple College. *At the time of this printing, the portion the school may cover is under review.* Any portion not covered by the district is the responsibility of the student and parent. Scholarships to defer costs will be paid for courses taken only during the fall/spring semesters. No tuition for summer/evening courses will be paid. Parents and students are responsible for the cost of all textbooks required for Dual Credit courses.

If a student does not attend class, drops the course, and/or does not make a 70 or higher in the course the student and/or parent will reimburse the district the cost of any tuition the school has paid. Additionally, if the student wishes to make another attempt at a dual-credit course, the student will be responsible for the cost of the course in advance.

Rockdale HS administration will have the final approval on which dual credit courses a student may take.

Temple College specific:

- All courses taken must be transferable from Temple College to a major university.
- If courses are held in Taylor, Rockdale ISD will provide transportation to and from Temple College Taylor Center and all students will be required to ride the bus.
- If courses are held remotely, Rockdale ISD will advise students of the requirements at that time.
- A student must have a minimum grade of 70 in all college and high school courses taken at the end of each semester in order to register for courses the following semester.
- Must pass all three (reading, math, writing) section of the TSIA
- Students must satisfy the entrance requirements for Temple College, listed in the previous section and prior to registration.

Students must meet the following eligibility requirements for any dual-credit course:

- No failing grades during any six-week or semester period during the previous school year.
- Students must have less than five disciplinary referrals and no suspensions during the previous year.
- Previous year attendance must meet state attendance requirements.
- Must be a full-time student at Rockdale High School.
- All portions of the STAAR test must have met state standards.
- Any exception to eligibility requirements must be approved by the principal.

A student must understand that these college level courses are rigorous courses that will require intensive preparation. Also, while attending Temple College students are expected to follow the student code of conduct and may be attending with other high school and college students.

Any exception to the above guidelines must be approved by the principal.

Texas Bioscience Institute - Temple College

The Texas Bioscience Institute Middle College Program offers high school juniors and seniors an opportunity to earn up to two years of STEM-focused college credit before they graduate from high school and earn an Associate's Degree. Classes are currently held at the Hutto campus of Temple College.

Rockdale High School will support students interested in this program by paying for tuition at the same rate for which all Temple College dual credit courses are paid for RHS students. The district will not provide transportation to or from the Temple College campus for the TBI program. Please see the counselors for more information.

Students must adhere to the degree plan set forth by the TBI program and approved by RISD. Any course changes must be approved by RISD administration prior to dropping or adding courses or the student is subject to removal from the program and will return to RHS for all courses.

OFF-CAMPUS PERIODS

Juniors and seniors are eligible for **one** off period per school year under the following conditions:

- Must have senior status (at least 21 credits) and be a fourth year student.
- Must have junior status (at least 14 credits) and be a third year student.
- The student must be completing coursework for the state Distinguished or Foundation Plus Endorsement Graduation Plan. (exception given to students receiving special education services).
- The student must be enrolled in courses that complete his or her graduation requirements at the end of the senior year. This includes meeting Program of Study requirements set forth by TEA.
- The student must have met the passing standard on all sections of the EOC STAAR examinations.
- The student must have met the 90% attendance requirement for each course during the previous year.
- The student must have earned a grade of C or higher in all classes during the previous year.
- Course changes will not be permitted simply to accommodate an early release request.
- Early release will only be considered for the last period of the day (exception girls enrolled in 8th period athletics).
- If the student is enrolled in Career Preparation, he/she is eligible for 1 additional off-campus period related to work (maximum of 2 periods).
- If the Senior student has met the "College and Career Ready" standard, he/she is eligible for 1 additional off-campus period to prepare for his/her post-secondary plans (maximum of 2 periods).
- The student requesting an off-campus period must have transportation to leave campus EACH DAY.

The off-campus period privilege will be revoked for the remainder of the semester for any of the following reasons:

- The student is late to school more than five times in a semester.
- The student is absent more than five times in a semester and/or falls below the 90% attendance rule in any class.
- The student receives a failing grade on a report card.

SCHEDULE CHANGES

One of the most important decisions facing our students is selecting courses within the high school curriculum to provide a foundation for college and career readiness after graduation. Careful planning and discussions with parents/guardians are an important part of the scheduling process, and we encourage families to login at home to review four-year planning choices. We hope you make course selections for the next school year carefully. Students who register for a course are committed to that course. Class creation and teacher assignments are based on student course requests, therefore we can only honor schedule change requests that meet certain criteria. Importantly, course changes will be made only if educational need is demonstrated and space is available in the subsequent course.

Specifically, schedule corrections will be considered the first two days of school for the following reasons only:

- The student is a senior and does not have a course required for graduation
- The student does not have the prerequisites for a course
- The course credit was previously received (i.e. through summer school, online, or prior year)
- A data-entry error was made by the school (i.e. scheduled course twice, or missing period)

For a semester or year-long course, **a student may not withdraw after the third week of the course.** However, to meet individual student needs, the principal may use his or her discretion to approve a course change. A student who withdraws from a course will have the grade in that course applied to the new course. It is highly recommended that the replacement course be in the same discipline. A student who changes courses assumes responsibility for the full content of the new course on the final exam.

Students who enroll in a RAP or AP course commit to completing the course. Due to the rigorous nature, students should remain in the chosen course the first three weeks of school in order to acclimate to the expectations and provide adequate time for both the teacher and students to gauge the appropriateness of the course selection. Schedule changes will not occur until after the fourth week and no later than the fifth week of the semester.

To initiate a change out of a RAP or AP class, a conference must occur between the student, parent/guardian, teacher, and principal or designee to determine educational needs. Should educational need not be determined the student will be required to complete the course selected. If the course is changed, the student's grade (without weighting) will transfer to the new class.

Earning Your High School Diploma

CLASSIFICATION OF STUDENTS

Grade 9 - "Freshman"

Successful completion of 8th Grade

Grade 10 - "Sophomore"

7 Credits – including 1 credit for English, 1 credit in math, 1 credit in science or social studies

Grade 11 - "Junior"

14 Credits – including 2 credits in English, 2 credits in math, and a minimum of 3 credits in science and social studies combined.

Grade 12 - "Senior"

21 Credits earned by beginning of school year

**Grade reclassification is addressed upon completion of each academic semester*

CREDITS REQUIRED TO GRADUATE AND CONSIDERATIONS

The student and his/her parents must determine a specific graduation option. Students have the following options: Foundation, Foundation with Endorsement(s), or Foundation with Endorsement(s) Distinguished. Graduates of RISD are awarded the same type of diploma. The academic achievement record (transcript), rather than the diploma, records individual accomplishments, achievements and courses completed.

Plan	Credits	Other Requirement
Distinguished Foundation Plan with Endorsements	28 Credits	Must take Algebra II
Foundation Plan with Endorsements	28 Credits	
Foundation Plan	24 Credits	Admin Committee Approval

**Rockdale ISD reserves the right, under extenuating circumstances, to lower the student's credit requirement for graduation to the state level.*

It is the responsibility of the parents to ensure the student is prepared for specific post-secondary education programs. Please check course choices carefully to be sure specific entrance requirements are met during your child's high school program. Specific requirements vary with the college and the proposed minimum requirements for admission. The counselor will assist students in locating information on college requirements and career fields.

A student's four-year plan/personal graduation plan and planned Program of Study should reflect a student's career goals. The student who plans for employment or advanced career training after graduating from high school should be careful in his/her selection of high school courses. Even though every course studied cannot be applied for use on a specific job, many high school courses

are important because they provide general background knowledge and develop abilities needed by all citizens. The aim of specific career and technical programs is to provide the student with occupational skills, which will enable him/her to enter a related job.

Completion of the personal graduation plan form for all students and 4-year plan/Program of Study is essential. The following guidelines will be of assistance:

- All students will take courses within their classifications. Any exceptions must have special permission from the principal's office.
- Review the sequence and entry grade level (i.e., English 1 for 9th, English 2 for 10th, etc.) guide on subsequent pages for each subject area.
- Review the course descriptions for each course.
- Be sure all graduation requirements are met on your child's plan.
- Consider the provisions for additional study (Distinguished Achievement Program).
- The RHS guidance staff will assist students with their course selections.
- This Personal Graduation Plan (PGP) is reviewed annually and is on file for all students.

Reviewing Assessment Policies

GRADING POLICY

The lowest passing grade is 70, mandated by the Texas Education Agency. It is important that all students and parents understand the RHS grading policy for the semester system.

Students will receive no credit for any semester below 70, unless a student's average for both semesters of a two-semester course is 70 or above and no one semester is below 55. Both semesters must have been taken during the same school year to average.

Examples of Grading Policy

Example 1		Example 2		Example 3		Example 4	
1st Semester	65	1st Semester	67	1st Semester	71	1st Semester	50
2nd Semester	70	2nd Semester	74	2nd Semester	55	2nd Semester	90
Year Average	67.5	Year Average	70.5	Year Average	63	Year Average	70
Credit awarded (0.5) for 2nd Semester only		Credit awarded (1.0) for both semesters		Credit awarded (0.5) for 1st Semester only		Credit awarded (0.5) for 2nd Semester only	

WEIGHTED GPA AND CLASS RANK

The District shall categorize and weight eligible courses as either Preparatory or Regular in accordance with provisions of this policy and as designated in appropriate District publications.

Eligible Advanced Placement (AP), Rockdale Accelerated Program (RAP), Dual Credit courses, and other locally designated courses shall be categorized and weighted as Preparatory courses.

The semester average shall be used in each course for the purpose of determining class rank in grades 9-11. For the purpose of determining honors to be conferred during graduation activities, the District shall calculate class rank by using grades available at the time of calculation at the end of the third week of the sixth six-week grading period of the senior year. Grades received in May for dual credit courses shall also be included in the calculation using grades available at the time of calculation.

All units of credit for graduation shall be earned in grades 9 – 12. A few courses are available at the junior high level for high school credit, such as Algebra I – 1 credit, Art I – 1 credit, and some CTE courses. The District shall include in the calculation of class rank semester grades earned in high school credit courses taken in grades 9–12 only. (Board Policy EIC - Local). Any changes to this would be updated in Board Policy.

The following courses shall not be included in ranking: Band (first semester), Physical Education, Athletics, and Drill Team, student aide courses, correspondence courses, credit-by-exam with prior instruction, credit-by-exam without prior instruction. **All other courses are regular with the following exceptions:**

Advanced Academic Courses

English I (RAP)	Algebra II (RAP)	Biology I (RAP)	World Geog. (RAP)	Spanish III (RAP)
English II (RAP)	Geometry (RAP)	Physics (RAP)	World History (RAP)	Spanish IV (AP)
	Pre-Calculus (RAP)	Chemistry (RAP)		Spanish III Sp. Speakers (RAP)
	Calculus (AP)	Biology (AP)	Art IV (AP)	Spanish IV Sp. Speakers (RAP)

STATE OF TEXAS TESTING REQUIREMENTS

State of Texas Assessments of Academic Readiness

Under House Bill 5 (HB 5), passed by the 83rd Texas Legislature and signed by the governor, students are required to pass five State of Texas Assessments of Academic Readiness (STAAR) end-of-course exams to meet graduation requirements.

The five assessments required under HB 5 are Algebra I, English I (combined reading/writing), English II (combined reading/writing), Biology, and U.S. History. Students must pass all five of these end-of-course assessments to be eligible to graduate from a Texas public high school. Students who are not successful on their first attempt will receive accelerated instruction and will have additional opportunities each school year to demonstrate satisfactory performance on that exam to meet the state's graduation requirements.

Students who are not successful on English and/or math EOCs will be required to take an additional course the following year for accelerated instruction.

Students identified with a disability or limited English proficiency and served through Special Education, 504 or Bilingual/ESL education may meet the state's eligibility criteria for specially designed STAAR exams. For details please see your school counselor.

SECTION II: Graduation Plans

GRADUATION TYPES

Foundation Program

The Foundation Program is 24 credits. A student may be allowed to graduate under the foundation program only after the student's sophomore year if the student and parent/guardian are advised of the benefits of graduating with one or more endorsements, and the parent or guardian files written permission with the school counselor.

Foundation Program with Endorsements

A student must earn 28 credits to earn an endorsement. Endorsements may be established in five categories: STEM, Business and Industry, Public Service, Arts and Humanities, and Multi-Disciplinary. Each student entering grade nine will indicate in writing an endorsement choice. The district will allow a student to choose at any time, to earn an endorsement other than the one previously selected. Each endorsement must contain one additional advanced math, additional advanced science and two additional elective credits relating to the endorsement.

Foundation Program with Endorsement: Distinguished Level of Achievement

Students may earn a distinguished level of achievement by successfully completing the curriculum requirements for the Foundation High School Program and the curriculum requirements for at least one endorsement, including 4 credits in science and 4 credits in math to include Algebra II. The distinguished level of achievement allows the student to be eligible for the top 10% automatic college admission in the state of Texas.

FOUNDATION PLAN REQUIREMENTS

Class of 2024 and 2025

Subject	Foundation HSP	Endorsements	Distinguished
ELA	Four Credits - English I - English II - English III - English IV	Four Credits - English I - English II - English III - English IV	Four Credits - English I - English II - English III - English IV
Math	Three Credits - Algebra I - Geometry - Advanced math	Four Credits - Algebra I - Geometry - Advanced Math - Advanced Math	Four Credits - Algebra I - Geometry - Algebra II - Advanced Math
Science	Three Credits - Biology - IPC or Advanced Science - Advanced Science	Four Credits - Biology - IPC or Advanced Science - Advanced Science - Advanced Science	Four Credits - Biology - IPC or Advanced Science - Advanced Science - Advanced Science
Social Studies	Four Credits - World Geography - World History - US History - Government (1/2 credit) - Economics (1/2 credit)	Four Credits - World Geography - World History - US History - Government (1/2 credit) - Economics (1/2 credit)	Four Credits - World Geography - World History - US History - Government (1/2 credit) - Economics (1/2 credit)
PE	One Credit	One Credit	One Credit
LOTE	Two Credits - same language	Two Credits - same language	Two Credits - same language
Fine Arts	One Credit	One Credit	One Credit
Speech	One-half Credit	One-half Credit	One-half Credit
Technology	One Credit - BIM 1 <i>or</i> - Principles of Info Tech	One Credit - BIM 1 <i>or</i> - Principles of Info Tech	One Credit - BIM 1 <i>or</i> - Principles of Info Tech
Electives	4.5 Credits	6.5 Credits	6.5 Credits
Total Credit	24 Credits	28 Credits	28 Credits

Class of 2026 and 2027

Subject	Foundation HSP	Endorsements	Distinguished
ELA	Four Credits - English I - English II - English III - English IV	Four Credits - English I - English II - English III - English IV	Four Credits - English I - English II - English III - English IV
Math	Three Credits - Algebra I - Geometry - Advanced math	Four Credits - Algebra I - Geometry - Advanced Math - Advanced Math	Four Credits - Algebra I - Geometry - Algebra II - Advanced Math
Science	Three Credits - Biology - IPC or Advanced Science - Advanced Science	Four Credits - Biology - IPC or Advanced Science - Advanced Science - Advanced Science	Four Credits - Biology - IPC or Advanced Science - Advanced Science - Advanced Science
Social Studies	Four Credits - World Geography - World History - US History - Government (1/2 credit) - Economics (1/2 credit)	Four Credits - World Geography - World History - US History - Government (1/2 credit) - Economics (1/2 credit)	Four Credits - World Geography - World History - US History - Government (1/2 credit) - Economics (1/2 credit)
PE	One Credit	One Credit	One Credit
LOTE	Two Credits - same language	Two Credits - same language	Two Credits - same language
Fine Arts	One Credit	One Credit	One Credit
Speech	One-half Credit	One-half Credit	One-half Credit
Electives	5.5 Credits	7.5 Credits	7.5 Credits
Total Credit	24 Credits	28 Credits	28 Credits

SECTION III: Programs of Study - Rockdale High School

Based on the Foundation High School Program, programs of study within a career cluster are intended to provide a helpful guide for the career-related electives in high school that will help prepare students for their career goals. This document is designed for students, parents, counselors, teachers, and administrators to make informed choices about the intended sequences for courses, the required courses for endorsements, and the recommended related courses to take. Programs of Study should also be tailored to fit the individual student career goals and needs.

**This Program of Study is under review for 2023-2024; Certification concerns are being addressed with the Commissioner.*

Endorsement	Program of Study	Possible Careers	Freshman Year	Sophomore Year	Junior Year	Senior Year	Certifications
Career Cluster: AGRICULTURE, FOOD, & NATURAL RESOURCES							
<i>Business and Industry</i>	Applied Agricultural Engineering	Agricultural Machinist, Agricultural Fabricator, Heavy Equipment Operator, Agricultural Constructor	Principles of Agriculture, Food, & Natural Resources	Agricultural Mechanics and Metal Technologies	Agricultural Equipment Design and Fabrication	Agricultural Structures Design and Fabrication or Practicum in AFNR (block)	AWS D1.1 AWS D9.1
	Animal Science	Animal/Feed Sales, Ranch Manager, Vet Tech, Journalist, Ag Teacher, Extension Specialist	Principles of Agriculture, Food, & Natural Resources	Small Animal Management/ Equine Science	Livestock Production	Advanced Animal Science	Fundamentals of Animal Science
	Plant Science	Floral Designer, Golf Course Superintendent, Agronomist, Tree Farmer, Viticulturist, Landscape Architect	Principles of Agriculture, Food, & Natural Resources	Floral Design	Advanced Floral Design	Practicum in AFNR (block)	TSFA Knowledge TSFA Level 1 Floral TSFA Level 2 Floral
Career Cluster: ARTS, AUDIO-VISUAL TECHNOLOGY, AND COMMUNICATIONS							
<i>Business and Industry</i>	Graphic Design & Multimedia Arts	Drafter, Product Designer, Multimedia Artist, Marketing Manager, Creative Director, Layout Designer, Illustrator	Principles of Arts, AV Technology, and Communications	Graphic Design & Illustration I	Graphic Design & Illustration II	Practicum in Graphic Design and Illustration (block)	Adobe Certified Professional in Graphic Design (Illustrator)
Career Cluster: BUSINESS, MARKETING & FINANCE							
<i>Business and Industry</i>	Business Management	Financial Advisor, Public Accountant, Loan Officer, Banker, Portfolio Manager	Business Information Management I	Business Information Management II	Financial Math	Statistics and Business Decision Making	Microsoft Office Expert

Endorsement	Program of Study	Possible Careers	Freshman Year	Sophomore Year	Junior Year	Senior Year	Certifications
Career Cluster: EDUCATION & TRAINING							
<i>Public Service</i>	Teaching & Training*	Elementary Teacher, Secondary Teacher, Coach, Principal, Superintendent	Principles of Education and Training	Human Growth and Development	Instructional Practices (block)	Practicum in Edu. and Training (block)	Educational Aide I
Career Cluster: HEALTH SCIENCES							
<i>Public Service</i>	Nursing Science	Physician, Athletic Trainer, Dentist, Registered Nurse	Medical Terminology	Principles of Health Science	Pathophysiology	Anatomy & Physiology	<i>n/a</i>
	Healthcare Therapeutic	Certified Nursing Assistant, Emergency Medical Technician, Pharmacy Tech	Medical Terminology	Principles of Health Science	Health Science Theory	Practicum of Health Science (block)	Certified Nursing Assistant (CNA)
Career Cluster: INFORMATION TECHNOLOGY							
<i>Business and Industry</i>	Networking Systems	Software Engineer, Network Architects, Security Analysts, Comp. Programmer	Principles of Information Technology	Computer Maintenance	Networking	Practicum in Info. Technology (block)	CompTIA A+ CompTIA Network+
Career Cluster: MANUFACTURING							
<i>Business and Industry</i>	Welding	Welder, Machinist, Production Manager, Industrial Engineer, Mech. Technician	Introduction to Welding	Welding I	Welding II (block)	Practicum in Manufacturing (block)	AWS D1.1 AWS D9.1
<i>Business and Industry</i>	Advanced Manufacturing and Machinery Mechanics	Mechanical Drafter, Mechanical Engineer, Industrial Engineer			Principles of App. Engineering/Manu. Engineering Technology	Manufacturing Engineering Technology/ Practicum in STEM	Associate's Degree <i>*dual credit</i>
Career Cluster: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)							
<i>STEM</i>	Engineering	Architect, Civil Engineer, Geological Engineer, Mechanical Engineer, R&D			Principles of Applied Engineering/ Engineering Design and Presentation	Manufacturing Engineering Technology/ Engineering Design and Presentation II	Associate's Degree <i>*dual credit</i>

The following are additional ways in which to earn an endorsement and are not considered Programs of Study.

Career Cluster: SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)						
STEM	Advanced Math	Software Developer, Civil Engineering, Architect, R&D, Robotics	5 Mathematics credits: 3 credits from Algebra I, Geometry, Algebra II; 2 additional to choose from Pre-Calculus, Statistics & Business Decision Making, Calculus, Financial Math			
	Advanced Science	Researcher, Biologist, Surgeon, Crime Scene Investigator, Computer Programmer	5 Science credits: 3 credits from Biology, Chemistry, and Physics; 2 more to choose from Anatomy and Physiology, Pathophysiology, Advanced Animal Science			
Career Cluster: COMPOSITE CLUSTERS						
Multi-Disciplinary	Advanced Placement/ Dual Credit	AP classes will help you toward your career goals: https://apstudent.collegeboard.org/exploreap/	4 Advanced Placement or Dual Credit courses: Four advanced placement and/or dual-credit courses; choose from: Calculus AP, Biology AP, Spanish AP, Art IV AP, and Dual Credit courses			
Arts and Humanities	Fine Arts	Illustrator, Composer, Music Journalist, Studio Musician	Art, Band, or Drill Team I	Art, Band, or Drill Team II	Art, Band, or Drill Team III	Art, Band, or Drill Team IV
	Publishing	Photographer, Digital Artist, Photo Retoucher, Technical Writer	Yearbook I	Yearbook II	Yearbook III	Yearbook IV
	Social Studies	Economic Developer, Legislator, Lawyer, Corrections Officer, Journalist	World Geography	World History	US History	Government/ Economics AND Sociology/Psychology
	World Languages	Bilingual Educator, Proofreader, Translator, FBI Agent, Court Interpreter	Spanish I	Spanish II	Spanish III (RAP)	Spanish IV (AP)

SECTION IV: Course Offerings and Descriptions

ENGLISH LANGUAGE ARTS

0111	English I	(ENG 1)	ENGL
9	03220100	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): None

Fee Required: No

Description: English I students increase and refine their communication and literary skills by engaging in meaningful activities in five key areas. Reading: Students read a wide variety of literary and informative texts. Writing: Students compose a variety of well-organized and detailed texts. Listening and Speaking: Students listen to others and contribute their own ideas in groups. Oral and Written Conventions: Students learn and apply the standards of English in speaking and writing.

0110	English I (RAP)	(ENG 1)	ENGL
9	03220100	Length of Course: Year	Credit: 1 5.0

Prerequisite(s): See Accelerated Program recommendations

Fee Required: No

Description: English I RAP is a rigorous course recommended for students who achieve college ready or commended scores on STAAR and have a love of reading and writing. It serves as the foundation for the Advanced Placement language and literature courses. Students will experience the elements of English I with an emphasis on developing critical thinking and analysis of the style of selected authors and works through required reading, discussions, essays and exams. This course includes a summer reading component.

0121	English II	(ENG 2)	ENGL
10	03220200	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): None

Fee Required: No

Description: English II students continue to increase and refine their communication and literary skills by engaging in meaningful activities in five key areas. Reading: Students read a wide variety of literary and informative texts. Writing: Students compose a variety of well-organized and detailed texts. Listening and Speaking: Students listen to others and contribute their own ideas in groups. Oral and Written Conventions: Students learn and apply the standards of English in speaking and writing.

0120	English II (RAP)	(ENG 2)	ENGL
10	03220200	Length of Course: Year	Credit: 1 5.0

Prerequisite(s): See Accelerated Program recommendations

Fee Required: No

Description: English II RAP is a rigorous course recommended for students who achieve college ready or commended scores on STAAR and have a love of reading and writing. It serves as the foundation for the Advanced Placement language and literature courses. Students will experience the elements of English II with an emphasis on developing critical thinking and analysis of the style of selected authors and works through required reading, discussions, essays and exams. This course includes a summer reading component.

0131	English III	(ENG 3)	ENGL
11	03220300	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): None

Fee Required: No

Description: English III students continue to increase and refine their communication and literary skills by engaging in meaningful activities in five key areas. Reading: Students read a wide variety of literary and informative texts. Writing: Students compose a variety of well-organized and detailed texts. Listening and Speaking: Students listen to others and contribute their own ideas in groups. Oral and Written Conventions: Students learn and apply the standards of English in speaking and writing.

0132	English III (Dual Credit) FALL	(ENG 3)	ENGL
11	03220300	Length of Course: Semester	Credit: .5 5.0

Prerequisite(s): College admission

Fee Required: No

Description: Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individual; 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.

0133	English III (Dual Credit) SPRING		(ENG 3)	ENGL
11	03220300	Length of Course: Semester	Credit: .5	5.0
Prerequisite(s): College admission		Fee Required: No		
Description: Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and 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.				
0141	English IV		(ENG 4)	ENGL
12	03220400	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None		Fee Required: No		
Description: English IV students continue to increase and refine their communication and literacy skills by engaging in meaningful activities in five key areas. Reading: Students read a wide variety of literary and informative texts. Writing: Students compose a variety of well-organized and detailed texts. Listening and Speaking: Students listen to others and contribute their own ideas in groups. Oral and Written Conventions: Students learn and apply the standards of English in speaking and writing.				
0142	English IV (Dual Credit) FALL		(ENG 4)	ENGL
12	03220400	Length of Course: Semester	Credit: .5	5.0
Prerequisite(s): None		Fee Required: No		
Description: A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.				
0143	English IV (Dual Credit) SPRING		(ENG 4)	ENGL
12	03220400	Length of Course: Semester	Credit: .5	5.0
Prerequisite(s): None		Fee Required: No		
Description: A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors and traditions.				
0150/1/2	Advanced Journalism: Yearbook 1, 2, or 3		(YBK 1, 2, or 3)	ENGL
9-12	03230110/120/130	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Application Process		Fee Required: No		
Description: Students plan, draft, and produce yearbook. Technology, writing and effective communication skills are required.				
	Communication 1, 2, 3, or 4			ENGL
9-12		Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD		Fee Required: No		
Description: These courses are basic reading improvement courses designed to be self-paced and increase general reading comprehension and skill. Courses are designed to improve basic communication strategies essential to success in the workplace. Skills emphasized are basic grammar/vocabulary, and writing in the context of business/industry communication.				

MATHEMATICS

0212	Algebra I		(ALG 1)	MATH
9	03100500	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): 8th Grade Math			Fee Required: No	
Description: Students will build and expound on the existing knowledge and skills from previous math courses to form a solid mathematical foundation. Students will study linear equations, and systems of linear equations, as well as quadratic and exponential functions and their related transformations, equations, and associated solutions in both mathematical and real world situations.				
0221	Algebra II		(ALG 2)	MATH
10-12	03100600	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Geometry			Fee Required: No	
Description: Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. Students will use graphing calculators and other technology.				
0222	Algebra II (RAP)		(ALG 2)	MATH
10-12	03100600	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Geometry; See Accelerated Program recommendations			Fee Required: No	
Description: Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. Students will occasionally use graphing calculators and other technology as deemed appropriate. This course is an advanced math course and is geared to the needs of students who intend to pursue the discipline through Calculus.				
0220	Geometry		(GEOM)	MATH
10-12	03100700	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Algebra I			Fee Required: No	
Description: In Geometry, students will build on the knowledge and skills for mathematics to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument; proof and congruence; similarity; trigonometry; two- and three-dimensional figures; circles; and probability. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. Due to the emphasis of probability and statistics in the college and career readiness standards, standards dealing with probability have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education.				
0223	Geometry (RAP)		(GEOM)	MATH
9-10	03100700	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Algebra I; see Accelerated Program recommendations			Fee Required: No	
Description: In Geometry, students will build on the knowledge and skills for mathematics to strengthen their mathematical reasoning skills in geometric contexts. Within the course, students will begin to focus on more precise terminology, symbolic representations, and the development of proofs. Students will explore concepts covering coordinate and transformational geometry; logical argument; proof and congruence; similarity; trigonometry; two- and three-dimensional figures; circles; and probability. Though this course is primarily Euclidean geometry, students should complete the course with an understanding that non-Euclidean geometries exist. Due to the emphasis of probability and statistics in the college and career readiness standards, standards dealing with probability have been added to the geometry curriculum to ensure students have proper exposure to these topics before pursuing their post-secondary education. Students who wish to take advanced placement math exams during their senior year should consider this course.				

0210	Algebraic Reasoning		(ALGREA)	MATH
11-12	03102540	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Geometry			Fee Required: No	
Description: In Algebraic Reasoning, students will build on previous knowledge and skills and continue to develop mathematical reasoning related to algebraic understandings and processes. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data using tools that build to workforce and college readiness.				
0234	Pre-Calculus (RAP)		(PRE CALC)	MATH
11-12	03101100	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Algebra II; see Accelerated Program recommendations			Fee Required: No	
Description: This course is designed to prepare college-bound students for AP Calculus and will be covered more rigorously and at a deeper level with more emphasis on problem solving. Topics will be approached from a function point of view, where appropriate, to strengthen and enhance a conceptual understanding of mathematical reasoning used when modeling and solving real world problems. Students systematically work with functions and their multiple representations. The study of pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry. The course will cover trigonometric functions, rational functions and inequalities, exponentials and logarithmic functions, polar coordinates, conics, and vectors. A strong commitment in terms of preparation time will be required of the student. This course is andan advanced math course and is geared to the needs of students who intend to pursue the discipline through Calculus.				
0233	Calculus (AP)		(APCALCAB)	MATH
12	A3100101	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Pre-Calculus RAP; see AP recommendations			Fee Required: No	
Description: This college level course prepares students to take the AP Calculus exam for possible college credit and for college level work in mathematics. At the end of this course students should be well prepared to begin work in mathematics at the college level without additional instruction. AP Calculus is a rigorous course and it should be noted that AP courses are differentiated from RAP courses in the same way that a RAP and on-level course may be differentiated. Students are expected to adapt and overcome any difficulties.				
0226	Statistics and Business Decision Making		(STATBDM)	MATH/CTE
11-12	13016900	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Algebra II			Fee Required: No	
Description: Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of the methods used to ensure conclusions are valid.				
0242	Financial Mathematics		(FINMATH)	MATH/CTE
11-12	13018000	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Geometry			Fee Required: No	
Description: Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.				
Applied Math				MATH
9-12		Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD			Fee Required: No	
Description: These courses are designed to develop critical thinking, problem solving and basic computational skills needed for everyday life at home, on the job and as community members.				

SCIENCE

0311	Biology		(BIO)	SCIENCE
9	03010200	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None			Fee Required: No	
Description: In Biology, students conduct laboratory and field investigations throughout the year. Students will study the following topics: Structures and functions of cells and viruses; growth and development of organisms; organization of life; macromolecules, and genetics; biological change; taxonomy; metabolism and energy transfers in living organisms; plant and animal systems; and homeostasis.				
0312	Biology (RAP)		(BIO)	SCIENCE
9	03010200	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): See Accelerated Program recommendations			Fee Required: No	
Description: Rockdale Accelerated Program (RAP) Biology is an advanced course recommended for students with a strong interest in science and good study skills. In RAP Biology, students conduct laboratory and field investigations throughout the year. Many of the concepts are the same as that in Biology, except the presentation is more accelerated and in more detail.				
0332	Chemistry		(CHEM)	SCIENCE
10-12	03040000	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Biology or IPC			Fee Required: No	
Description: A study of the laws, theories, and fundamental concepts of chemistry. Qualitative analysis is used as a means of developing skills and applying principles. Approximately forty percent of time is spent in the laboratory. Concurrent or previous enrollment in Algebra 2 recommended.				
0333	Chemistry (RAP)		(CHEM)	SCIENCE
10-12	03040000	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Biology; Geometry (or concurrent); see Accelerated Program recs.			Fee Required: No	
Description: This course is designed to prepare college bound students for upper level science courses. This course will be a rigorous, in depth study of the fundamental concepts of chemistry including atomic structure, properties of substances, and both qualitative and quantitative analysis. This class does include extensive use of mathematics.				
0337	Physics (RAP)		(PHYSICS)	SCIENCE
11-12	03050000	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Chemistry; Algebra II (or concurrent); see Accelerated Program recs.			Fee Required: No	
Description: A study that includes in depth studies of the basic theories and concepts of physical science to include mechanics, scalars and vectors, kinematics, waves, optics, heat transfers, quantum and nuclear physics, electricity and magnetism. Advanced math is required with a completion of Algebra II or concurrent enrollment. Students will be expected to participate in special projects that may require out of class time.				
0310	Biology (AP)		(APBIO)	SCIENCE
12	A3010200	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Biology, Chemistry, IPC or or Physics; see AP recommendations			Fee Required: No	
Description: This course is designed to be the equivalent of an introductory college-level course in biology. Biology AP is the study of general biological principles as well as the more specialized biological sciences. Cytology, biochemistry, developmental biology, genetics, ecology, taxonomy, and various aspects of adaptation are integrated with this course. Relationships and applications of concepts within and among the various sciences are explored. The student acquires data by using his senses and instrumentation. Student investigations emphasize accurate observations, collection of data, data analysis and the safe manipulation of laboratory apparatus and materials in the lab. Upon completion of the course, the student will have the opportunity to take the Advanced Placement exam in Biology.				

0338	Anatomy and Physiology		(ANATPHYS)	SCIENCE/CTE
11-12	13020600	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Biology		Fee Required: No		
Description: The leg bone's connected to the knee bone, the knee bone's connected to the thigh bone.....Anatomy and Physiology of Human Systems is a laboratory oriented course in which students investigate the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulating mechanisms that influence how systems function. These concepts may be reinforced through application in a medical facility or simulation lab. The course is designed to build a knowledge base for those students who wish to pursue a medically related career.				

0324	Pathophysiology		(PATHO)	SCIENCE/CTE
10-12	13020800	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Biology and Chemistry		Fee Required: No		
Description: Are you sick? Have you come down with an illness? Did you sustain an injury? Or do you have a disease? This course will help define these terms and is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. It is an ideal resource on basic diseases for anyone going into the medical profession.				

0340	Advanced Animal Science		(ADVANSKI)	SCIENCE/CTE
11-12	13000700	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Livestock Production		Fee Required: No		
Description: Students with an interest in agriculture seeking the fourth science credit will benefit from this course. The course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Students will apply their knowledge through safe participation in labs in the areas of classes and grades of livestock, animal genetics and heredity, animal anatomy and physiology, animal nutrition for ruminants and non-ruminants, and animal diseases and parasites.				

Applied Science 1, 2, 3, 4				SCIENCE
9-12		Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD		Fee Required: No		
Description: This course studies science based concepts related specifically to independent daily living and employment. Activities are “hands-on” experiences with an emphasis on cooperative learning strategies.				

SOCIAL STUDIES

0422	World Geography		(W GEO)	SOCSTUD
9	03320100	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None			Fee Required: No	
Description: This course will emphasize the five themes of geography. All areas of the world will be studied. The studies will include both the cultural and physical aspects of geography.				
0424	World Geography (RAP)		(W GEO)	SOCSTUD
9	03320100	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): See Accelerated Program recommendations			Fee Required: No	
Description: This course will include all of the required TEKS of the regular World Geography. It will differ in the level of content and learning. Students will be expected to do independent research using primary sources. Projects requiring higher-level thinking skills will be regularly assigned.				
0421	World History		(W HIST)	SOCSTUD
10	03340400	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): World Geography			Fee Required: No	
Description: This course will include all of the required TEKS of the regular World Geography. It will differ in the level of content and learning. Students will be expected to do independent research using primary sources. Projects requiring higher-level thinking skills will be regularly assigned.				
0420	World History (RAP)		(W HIST)	SOCSTUD
10	03340400	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): World Geography; see Accelerated Program recommendations			Fee Required: No	
Description: This course will include all of the required TEKS of the regular World Geography. It will differ in the level of content and learning. Students will be expected to do independent research using primary sources. Projects requiring higher-level thinking skills will be regularly assigned.				
0411	U.S. History Studies since Reconstruction		(US HIST)	SOCSTUD
11	03340400	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): World History			Fee Required: No	
Description: This course is the second part of a two-year U.S. History program, which begins in the eighth grade. Content includes industrial, social and political studies as well as the role of the United States as a world power in the twentieth century. It emphasizes the role of the United States as a Super Power from the second half of the twentieth century through the present.				
0413	U.S. History (Dual Credit) FALL		(US HIST)	SOCSTUD
11	03340400	Length of Course: Semester	Credit: 1	5.0
Prerequisite(s): College admission			Fee Required: No	
Description: 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. Themes that may be addressed 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.				
0414	U.S. History (Dual Credit) SPRING		(US HIST)	SOCSTUD
11	03340400	Length of Course: Semester	Credit: 1	5.0
Prerequisite(s): College admission			Fee Required: No	
Description: A survey of the social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. This course examines industrialization, immigration, world wars, the Great Depression, Cold War, and post-Cold War eras. Themes that may be addressed 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.				

0442	Government		(GOVT)	SOCSTUD
12	03330100	Length of Course: Semester	Credit: .5	4.0
Prerequisite(s): Senior classification				Fee Required: No
Description: This course includes a detailed study of the organization, function and administration of the three branches of American government. There will be an emphasis on the Constitution and its history.				
0443	Government (Dual Credit)		(GOVT)	SOCSTUD
12	03330100	Length of Course: Semester	Credit: .5	5.0
Prerequisite(s): College admission				Fee Required: No
Description: 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.				
0445	Economics with emphasis on the Free Enterprise System		(ECO-FE)	SOCSTUD
12	03330300	Length of Course: Semester	Credit: .5	4.0
Prerequisite(s): Senior classification				Fee Required: No
Description: This course will emphasize the study of the free enterprise system, the role of government in the American economic system and the impact of global economics.				
0446	Economics (Dual Credit)		(ECO-FE)	SOCSTUD
12	03330300	Length of Course: Semester	Credit: .5	5.0
Prerequisite(s): College admission				Fee Required: No
Description: 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, fiscal policy, and monetary policy.				
0418	Psychology		(PSYCH)	SOCSTUD
11-12	03350100	Length of Course: Semester	Credit: .5	4.0
Prerequisite(s): World History or U.S. History				Fee Required: No
Description: This course deals with humans as individuals and will explore human growth, development, and behavior. Students will be introduced to the relationship between psychological and biological observations; intellectual and emotional development; personality development; perception; normal and deviant behavior patterns; and stimulation and sensory awareness. Students will be required to complete various activities in research testing, observations, model constructions and presentations.				
0419	Sociology		(SOC)	SOCSTUD
11-12	03370100	Length of Course: Semester	Credit: .5	4.0
Prerequisite(s): World History or U.S. History				Fee Required: No
Description: This course deals with humans in groups: families, nationalities, races, sexes, age groups, religions, work groups, school groups, club groups, economic groups, etc. These selected cultures are studied to help students understand their beliefs, morals, traditions, and folkways. What defines a group? How and why do people identify with groups? What are the rewards and liabilities of group membership? Students may be required to complete various projects.				
Activities of Daily Living 1, 2, 3, 4				SOCSTUD
9-12		Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD				Fee Required: No
Description: These courses will provide basic information for maintaining a healthy lifestyle with opportunities for decision making on a variety of health and welfare issues.				
Activities of Daily Living (F) 1, 2, 3, 4, 5, 6				SOCSTUD
9-12		Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD				Fee Required: No
Description: These courses are designed to provide persons with moderate to severe impairments an opportunity to complete domestic activities in their personal living environments in order to encourage greater domestic independence.				

Community Skills (F) 1, 2, 3, 4, 5, 6			SOCSTUD
9-12	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD			Fee Required: No
Description: These courses are designed to provide persons with moderate to severe impairments an opportunity to complete community transactions that meet daily living needs in order to encourage greater independence in providing for personal needs and increase integration into the community.			

Personal/Social Skills (F) 1, 2, 3, 4, 5, 6			SOCSTUD
9-12	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD			Fee Required: No
Description: These courses are designed to provide persons with moderate to severe impairments an opportunity to engage in a typical pattern of interactions in order to effectively develop and maintain supportive relationships.			

FOREIGN LANGUAGE

0710	Spanish 1		(SPAN 1)	LOTE
9-11	03440100	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None		Fee Required: No		
Description: This course introduces the basic language skills of listening, speaking, reading, and writing comprehension. Students will learn vocabulary and grammatical structures necessary to communicate in everyday situations.				
0720	Spanish 2		(SPAN 2)	LOTE
10-12	03440200	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Spanish 1		Fee Required: No		
Description: This course reviews the basic structures and vocabulary learned in Spanish 1 and continues with additional and more advanced structures and vocabulary to increase language proficiency.				
0730	Spanish 3 (RAP)		(SPAN 3)	LOTE
11-12	03440300	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Spanish 2; see Accelerated Program recommendations		Fee Required: No		
Description: Students will continue the emphasis on communication established in levels 1 and 2. Students shall continue to develop the ability to communicate directly and effectively in Spanish. Students will learn more vocabulary and more advanced grammatical structures to increase language proficiency.				
0740	Spanish 4 (AP)		(SPAN 4)	LOTE
12	03440400/A3440100	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Spanish 3; see AP recommendations		Fee Required: No		
Description: Students will emphasize the study of Spanish for active communication through oral, listening, reading comprehension, grammar, and composition. The advanced Spanish course will be equivalent to a second or third-year college course in advanced Spanish composition and conversation. Upon completion of this course, the student will have the opportunity to take the Advanced Placement test in Spanish Language.				
0711,2	Spanish 1, 2 for Native Speakers		(SSSPAN1/2)	LOTE
9	03440110/03110220	Length of Course: Year	Credit: 2	4.0
Prerequisite(s): Oral and written fluency assessments		Fee Required: No		
Description: Students will emphasize the study of Spanish for Heritage Spanish speakers' active communication through oral, listening, reading comprehension, grammar, and composition. These advanced Spanish courses will be equivalent to a second or third-year college course in advanced Spanish composition and conversation. Upon completion of this course, the student will have the opportunity to take the Advanced Placement test in Spanish Language.				
0713,4	Spanish 3, 4 for Native Speakers (RAP)		(SSSPAN 3/4)	LOTE
10	03440330/03440440	Length of Course: Year	Credit: 2	5.0
Prerequisite(s): Oral and written fluency assessments		Fee Required: No		
Description: Students will emphasize the study of Spanish for Heritage Spanish speakers' active communication through oral, listening, reading comprehension, grammar, and composition. These advanced Spanish courses will be equivalent to a second or third-year college course in advanced Spanish composition and conversation. Upon completion of this course, the student will have the opportunity to take the Advanced Placement test in Spanish Language.				

FINE ARTS

66##	Band 1, 2, 3, 4	(MUS#BAND)	FINE ARTS
9-12	03150100,200,300,400	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Audition/Director's Recommendation

Fee Required: No

Description: Students will study level-appropriate band literature and continue the development of wind and percussion practice, rehearsal and performance techniques. Attendance at rehearsals and performances outside of school hours is required. In the fall, all students enrolled in this course participate in the marching band. In the spring, all students participate in concert band. The marching and concert band course syllabi will outline schedules and other pertinent information about the course.

66##	Jazz Band 1, 2, 3, 4	(MUS#JZBN)	FINE ARTS
9-12	03151300,1400,1500,1600	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Audition/Director's Recommendation

Fee Required: No

Description: The study and performance of music from jazz areas including rhythm and blues, swing, rock and Latin. A musical background is encouraged, but not required. The course is open to all students with the director's recommendation. The jazz band performs at community events, local concerts and music festivals.

0613	Art I	(ART 1)	FINE ARTS
9-12	03500100	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): None

Fee Required: No

Description: Art I is an introductory (two semester) level course. Students will create original works of art, both 2 dimensional and 3 dimensional, using a variety of materials and techniques, while studying the Elements and Principles of Art. Introduction of Art History with each new medium.

0614	Art II: Drawing	(ART2DRAW)	FINE ARTS
9-12	03500500	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Art I

Fee Required: \$10

Description: Art II drawing will be an in depth study of the techniques learned in Art I. Emphasis will be placed on observational and imaginative drawing. More complex compositions and advancement of rendering skills with various mediums will be expected. Students will participate in class critiques of their work, to increase their ability to express themselves verbally as well as visually. Art History will continue to be part of the curriculum. Students will be held responsible for actively advancing their technical skills and their creative voice. Students will be expected to participate in various Art competitions.

0615	Art III: Drawing	(ART3DRAW)	FINE ARTS
10-12	03501300	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Art II

Fee Required: \$10

Description: Students that elect to take Art II Drawing should have a firm foundation in materials, techniques, and composition. They will be expected to be more self-directed in their project solutions. Several projects assigned will be expanded to a series of three solutions. All assignments are two-dimensional design. Presentation will be required to the class and instructor. Students will be required to enter all competitions available to the Art department, including Central Texas, VASE, and Scholastic Young Artists. Portfolio review of work completed in Art II and teacher conference is required.

0625	Art IV: Drawing	(ART4DRAW)	FINE ARTS
11-12	03502300	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Art III

Fee Required: \$10

Description: This course is for students who want to continue in the Art department, but do not want to pursue Advanced Placement Studio Art. The focus of this class will be to work independently as possible with instructor input. The student will present a focused series of 5 drawings exploring 1 theme in various mediums. These series will be due at the end of the second six weeks. Every other six weeks a series of 5 drawings will be due. Students will be required to enter all competitions available to the Art department, including Central Texas, VASE, and Scholastic Young Artists. Instructor signature required.

0616	Art IV: AP Studio		(AP2DDP)	FINE ARTS
11-12	A3500400	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Art III; see AP recommendations			Fee Required: \$15	
Description: The experiences given and skills developed in the first three levels of art courses prepare students for in depth study of special problems based on their previous credits. They will produce a body of artwork in their chosen area of art (drawing, painting and printmaking or sculpture) and develop evaluative criteria for selecting artworks to include in a portfolio. Students will be required to enter all competitions available to the Art department, including Central Texas, VASE, and Scholastic Young Artists. A portfolio review of previous work completed in the art department and teacher conference is required. There is a \$15.00 supplies fee due by the end of October.				
0627	AP Art History		(APHISART)	FINE ARTS
11-12	A3500100	Length of Course: Year	Credit: 1	5.0
Prerequisite(s): Art I and English II recommended			Fee Required: No	
Description: Students study historical aspects of major artworks and artists and learn the importance of specific art works to particular societies. They explore works from selected periods and artists as major sources of motivation and enrichment. They also view visual materials, museums and studios to gain knowledge and appreciation of art and the importance of art careers in society.				
0620,3,2	Theatre Arts 1, 2, 3		(APHISART)	FINE ARTS
09-12	03250100, 200, 300	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None			Fee Required: No	
Description: Students will study basic theater topics such as stage and acting terminology, basic stage movement, pantomime, improvisation, evaluating theater productions, theater etiquette, and basic performance skills including character development and script structure.				
0621	Floral Design		(FLORAL)	FINE ARTS/CTE
10-12	13001800	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Principles of AFNR recommended			Fee Required: No	
Description: Stop and smell the roses! Students who successfully complete this class will construct cost effective geometric designs, corsages and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit. The course is approximately 30% lab based and counts as a fine arts credit.				
0626	Advanced Floral Design		(ADVFLDES)	FINE ARTS/CTE
11-12	N1300270	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Floral Design, Enrollment Review in Committee*			Fee Required: No	
Description: Want to build upon the knowledge and skills you learned in Floral Design? In this course, you will be introduced to more advanced floral design concepts, with an emphasis in specialty designs and specific occasion designs.				

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

PHYSICAL EDUCATION/HEALTH

All students must take 1 year of P.E. unless a student meeting one of the following alternatives listed below fulfills this requirement. The permanent record of the student will include alternative courses taken.

- One semester of Physical Education will be awarded for the fall semester of marching band. (i.e., 9th and 10th grade fall semester of Band awards 2 semesters of P.E.)
- Credit may be given in athletics, P.E. or Drill Team to meet state and local requirements for P.E., but not more than one per semester.
- Semesters of Physical Education will be granted credit for participation in varsity and junior varsity sports when such participation is limited to after school workouts:
 - 2 semesters of tennis for 1 credit of P.E.
 - 2 semesters of golf for 1 credit of P.E.
 - 2 semesters of cross-country or track or a combination for 1 credit of P.E.
 - 2 semesters of powerlifting for 1 credit of P.E.
- 1 semester of P.E. will be granted for participation in JV or Varsity Cheerleaders during the fall semester.
- 1 semester of P.E. will be awarded for each semester a student is enrolled in an Athletic training/Trainer Aide course
- Students may be granted up to two credits for off-campus physical education for appropriate private or commercially sponsored physical activity programs conducted on or off campus. This is to help assist students who are making a serious effort to develop high-level capabilities and allow those students to be involved in a program that provides training exceeding that offered in the school district. The student taking this option may NOT be enrolled in another physical education class or athletics while participating in this activity. Private or commercially sponsored physical activities include those certified by the superintendent to be of high quality and well supervised by appropriately trained instructors. Student participation of at least five hours per week is required. Students certified to participate at this level may not be dismissed from any part of the regular school day. A student interested in this option should contact his/her counselor for application and guidelines concerning off-campus physical education. Applications must be submitted by July 1 for the fall semester and December 1 for the spring semester.

Students may earn no more than 3 credits in physical education toward state graduation requirements and may only be awarded 1 credit of physical education per school year. Students taking Athletics may earn 1 credit per year for four years of state graduation credits

89##	Physical Education		(PEFOUND)	PE
9-12	PES00052	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None			Fee Required: No	
Description: The physical education program is designed to develop the student mentally, as well as physically. The program consists of a fitness test, written test on each sport presented, and skills test. The following activities may be included in the program: flag football, basketball, volleyball, tennis, table tennis, soccer, track and field, gymnastics, softball, scooter hockey, etc.				

89##	Athletics (Boys or Girls)		(SUBATH1-4)	PE
9-12	PES00001-4	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Athletic Director approval & physical			Fee Required: No	
Description: <u>Students must participate in a sport to be enrolled in athletics.</u> Students participating in a team sport MUST be enrolled in athletics (baseball, football, soccer, softball, or volleyball). Participants prepare to compete in scheduled UIL competitions. During the off-season students participate in weight training, running, agility, and technique days. Team sizes are limited and coaches will make player selections. Other sports including: cross country, track, golf, and powerlifting may choose after school participation only.				

893#	Drill Team 1-4		(SUBDT)	PE
9-12	PES0001-4	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Competitive selection			Fee Required: No	
Description: Drill Team is a performing/service organization composed of students who are selected for membership by auditioning for a panel of judges. This group rehearses outside of regular school hours and meets daily. The team performs at athletic events, pep rallies, contests, community events and shows throughout the year.				
0914	Health		(HLTH ED)	HEALTH
9-12	03810100	Length of Course: Semester	Credit: .5	4.0
Prerequisite(s): None			Fee Required: No	
Description: Provides information for teenagers to form definite decisions about health practices including personal hygiene, nutrition, accident prevention, and family planning. Special emphasis is placed on alcohol, drug and tobacco use and abuse.				
0995	Athletic Training		(TRNRAIDE)	PE
9-12	85000300	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Athletic Trainer approval			Fee Required: No	
Description: Students will receive extensive training in the areas of prevention, care and rehabilitation of sports injuries. This training will then be used when covering practices, scrimmages and competitions. Students will assist the coach as needed in areas such as care and management of equipment, statistics, etc. Students will be assigned to work various sports throughout the year. This will require time after school for workouts and competitions. This two period athletics course is a PE substitution. Once total credits allowed have been earned, additional credits do not count toward graduation.				
0915	Sports Medicine I			PE
9-11	N1150040	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None			Fee Required: No	
Description: This course provides an opportunity for the study and application of the components of sports medicine including sports medicine, concepts of sports injury, athletic health care team, sports injury law, sports injury prevention, sports psychology, nutrition, recognition of injuries, emergency action plan and initial injury evaluation, first aid/CPR/AED, the injury process, immediate care of athletic injuries of specific body areas, skin conditions in sports, bloodborne pathogens, thermal injuries, and special medical concerns of the adolescent athlete.				
Personal Health and Hygiene (F) * 1, 2, 3, 4, 5, 6				HEALTH
9-12	03810100	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Placement by ARD			Fee Required: No	
Description: This course is designed to provide persons with moderate to severe impairments an opportunity to participate in personal care, health and safety routines in order to present an appropriate personal appearance and acceptable level of health, fitness and safety.				
8915	Lifetime Fitness 1			PE
9-12	PES00054	Length of Course: Year	Credit: .5	4.0
Prerequisite(s): None			Fee Required: No	
Description: The basic purpose of this course is to motivate students to achieve lifetime personal fitness with an emphasis on the health-related components of physical fitness. The concept of wellness, or striving to reach optimal levels of health, is the cornerstone of this course and is exemplified by one of the course objectives: students designing their own personal fitness program as a way to develop the skills necessary to become fit and achieve some degree of fitness within the course. (Note: This course requires physical exertion equal to that of the regular physical education class. Students who have any doubt as to their physical condition should consult a physician before attempting this course.)				

OTHER ELECTIVES

05 033	Freshman Focus	(MAPS)	ELEC
9	N1130021	Length of Course: Year	Credit: 1 4.0
Prerequisite(s): None		Fee Required: No	
Description: The Freshman Focus course provides academic support during the school day. Students learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and teachers, and participate in enrichment and motivational activities that make all kinds of post-secondary dreams, including college, career, and the military seem attainable. Freshman Focus helps students with the adjustment to high school curriculum and gives them the support to succeed. The structure of the course focuses on writing, questioning, organization and reading and includes specific strategies for note taking, test preparation, and research. The main components of the program are academic support, long-term planning and personal growth. <u>This class will count for Professional Communication (speech) credit and is required of all freshmen.</u>			
0160/1	Peer Assisted Leadership (PALs)	(PAAL1, 2)	ELEC
11-12	N1290005	Length of Course: Year	Credit: 1 4.0
Prerequisite(s): Application and interview process		Fee Required: No	
Description: The PALs course is a peer-helping program in which selected high school students will be trained to work as peer facilitators with other students in elementary or intermediate schools. Participants will be trained in a variety of helping skills.			
0199	Texas College Bridge - English	(CPELA)	ELEC
11-12	CP110100	Length of Course: Semester	Credit: 1 4.0
Prerequisite(s): Junior or Senior; has not met "College and Career Ready" standard		Fee Required: No	
Description: Students will take this individualized online college prep course with a teacher facilitator. The pre-assessment tailors the course content to each student and then the student can work at their own pace to complete the course. When it is successfully completed, the student will have earned both college credit and the benchmark for College and Career Readiness.			
0299	Texas College Bridge - Math	(CPMC)	ELEC
11-12	CP111200	Length of Course: Semester	Credit: 1 4.0
Prerequisite(s): Junior or Senior; has not met "College and Career Ready" standard		Fee Required: No	
Description: Students will take this individualized online college prep course with a teacher facilitator. The pre-assessment tailors the course content to each student and then the student can work at their own pace to complete the course. When it is successfully completed, the student will have earned both college credit and the benchmark for College and Career Readiness.			
0997	Office/Library/Teacher Aide	(OFCAIDE)	ELEC
11-12	85000103/4	Length of Course: Year	Credit: 1 4.0
Prerequisite(s): Student has met "College and Career Ready" standard		Fee Required: No	
Description: Students will aid in the office, classroom, or the library. Additionally, students must have a 2.0 grade point average or higher, be on track to graduate with their class, and have had no discipline referrals for the previous school year. Students will help with clerical duties including but not limited to copy making, filing, campus errands, stocking office supplies, and organization of supplies. Students will be graded on their employability skills each six weeks by their supervising teacher using an established rubric.			
College and Career Readiness - Senior Off Campus		()	ELEC
12		Length of Course: Semester	Credit: 0 4.0
Prerequisite(s): Senior; met "College and Career Ready" standard		Fee Required: No	
Description: Seniors who have met the "College and Career Readiness" standard are eligible for an additional off campus period as they prepare for their postsecondary plans.			

SECTION V: CTE Course Offerings and Descriptions

Every Career and Technical Education class falls into one of 16 “career clusters.” A career cluster is a group of jobs and industries that are related by skills or products. Here at Rockdale, we offer students the opportunity to take a coherent sequence of courses in 10 of the 16 career clusters. After looking at the programs of study, read the course descriptions and make a plan for your future!

AGRICULTURE, FOOD & NATURAL RESOURCES

7000	Principles of Agriculture, Food, and Natural Resources	(PRINAFNR)	ELEC
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9-10	1300200	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): None

Fee Required: No

Description: Ever wonder where the shoes on your feet come from? How about the food on your table? Take this class to learn about the diversity of agriculture in our world. The class will help students expand their leadership and communication skills through the lens of agriculture in our world. The class will focus on the elements of the FFA, a basic study of soils, plants, and various livestock species. Come learn why agriculture is more than just farming.

7005	Agricultural Mechanics and Metal Technologies	(AGMECHM)	ELEC
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10-12	1302200	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): Principles of AFNR or Principles of Skilled Trades (*recommended*)

Fee Required: No

Description: Do you like working in a hands-on environment? This class may be the right choice for you. Students will actively learn how to properly use tools to work with a variety of materials including concrete, electricity, plumbing and basic carpentry. Proper safety is also an integral part in learning how to weld using Oxy-Fuel, Arc, and MIG techniques. You can be sure this class will strike an interest in you and lay a foundation of useful skills for the future.

7023	Agricultural Equipment Design and Fabrication	(AGEQDF)	ELEC
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11-12	1302350	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): Agricultural Mechanics and Metal Technologies (*or equivalent*)

Fee Required: No

Description: Does your future include building projects in your own backyard shop, but you might not make a career out of it? This course is designed to further develop the knowledge and skills related to the design and fabrication of agricultural equipment (ag mechanics projects), but are not seeking industry-level certifications. This course is 75% lab-based and requires the fabrication and exhibition of a project at an agriculture mechanics show in the spring.

7006	Agricultural Structures Design and Fabrication	(AGSDF)	ELEC
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12	1302300	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): Agricultural Mechanics and Metal Technologies (*or equivalent*)

Fee Required: No

Description: If you enjoy looking at blueprints, and working with your hands, this is the course for you! This course is designed to further develop the knowledge and skills related to the design and fabrication of agricultural structures, but are not seeking industry-level certifications. Topics include developing blueprints, site analysis for agricultural buildings, use of GPS and GIS, basic welding and oxy-fuel cutting techniques. This course is 75% lab-based.

7103	Small Animal Management	(SMANIMGT)	ELEC
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10-12	13000400	Length of Course: Semester	Credit: .5	4.0
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Prerequisite(s): Principles of AFNR (*recommended*)

Fee Required: No

Description: Small animals are special creatures, whether you are a cat person, a dog person, a reptile lover or you prefer pocket pets, all small domesticated animals are covered in this course.. Students will attain knowledge and skills related to animal identification, animal behavior, anatomy, career opportunities, and the care and management of animals ranging from small mammals such as dogs and cats to amphibians and reptiles.

7107	Equine Science	(EQUINSCI)	ELEC
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10-12	13000500	Length of Course: Semester	Credit: .5	4.0
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Prerequisite(s): Principles of AFNR (*recommended*)

Fee Required: No

Description: Saddle up! Hang on tight and develop knowledge about the importance of the equine industry in Texas and the U.S. Students will study selection, nutrition, reproduction, handling, and management to prepare for a career in the horse industry. Horseplay allowed!

7101	Livestock Production		(LIVEPROD)	ELEC
11-12	13000300	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Small Animal Management, Equine Science (required)			Fee Required: No	
Description: Go hog wild! Enroll in Livestock Production and learn about the impact livestock production has on the U.S. Students will have the opportunity to learn about careers in the livestock industry, livestock management, nutrition, genetics, reproduction, and common diseases and pests of cattle, swine, lambs, goats and poultry.				
0340	Advanced Animal Science		(ADVANSKI)	ELEC/SCIENCE
11-12	13000700	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Livestock Production (required)			Fee Required: No	
Description: Students with an interest in agriculture seeking the fourth science credit will benefit from this course. The course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Students will apply their knowledge through safe participation in labs in the areas of classes and grades of livestock, animal genetics and heredity, animal anatomy and physiology, animal nutrition for ruminants and non-ruminants, and animal diseases and parasites.				
0621	Floral Design		(FLORAL)	ELEC/FINE ARTS
10-12	13001800	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Principles of AFNR (recommended)				
Description: Stop and smell the roses! Students who successfully complete this class will construct cost effective geometric designs, corsages and homecoming mums. Special occasion designs and business management practices are an integral part of the course which will prepare students for a career in the floral industry. Students will be able to keep their designs at the end of the unit. The course is approximately 30% lab based and counts as a fine arts credit.				
0626	Advanced Floral Design		(ADVFLDES)	ELEC
11-12	N1300270	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Floral Design (required), Level 1 TSFA Floral Certification (required), Enrollment Review in Committee*				
Description: Want to build upon the knowledge and skills you learned in Floral Design? In this course, you will be introduced to more advanced floral design concepts, with an emphasis in specialty designs and specific occasion designs.				
7022	Practicum in Agriculture, Food, and Natural Resources		(PRACAFNR1)	ELEC
11-12	13002500/5	Length of Course: Year	Credit: 2-3	4.0
Prerequisite(s): Coherent sequence of AFNR courses, Enrollment Review in Committee*			Fee Required: No	
Description: This cooperative education program offers technical instruction, on the job training, and work experience. Students are preparing to enter employment in occupations requiring knowledge and skills in one or more of these agricultural subjects: animal science, soil science, agricultural mechanization, farm and ranch management, agricultural leadership, and agricultural resource development. Students may be in paid or unpaid work experiences for this course.				

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

ARTS, AUDIO-VISUAL TECHNOLOGY & COMMUNICATIONS

7701	Principles of Arts, Audio-Visual Technology, and Communications	(PRINAAVTC)	ELEC
9-10	13008200	Length of Course: Year	Credit: 14.0
Prerequisite(s): None		Fee Required: No	
Description: Interested in video, advertising, or design? This course is designed to introduce technology used in the workplace. Careers in the Arts, Audio/Video Technology, and Communications career cluster require, in addition to creative aptitude, a strong background in computer and technology applications. This course will offer a hands-on approach to real world problems by creating multimedia projects for real-life situations. Students will gain experience using audio and video equipment as well as animation and graphic design software.			
0861	Graphic Design and Illustration I	(GRAPHDI1)	ELEC
10-12	13008800	Length of Course: Year	Credit: 14.0
Prerequisite(s): Principles of AAVTC		Fee Required: No	
Description: Magazines, Digital Photography, Advertising, The Internet – Graphic Design is the foundation for media outlets worldwide. Graphic Design and Illustration will teach students the fundamental software tools and design elements used in this industry. From digital enhancements to vector graphics, prepare yourself to create a wide variety of design projects that will lead to a solid foundation in the world of graphics and advertising design.			
7402	Graphic Design and Illustration II	(GRAPHDI2)	ELEC
11-12	13008900	Length of Course: Year	Credit: 14.0
Prerequisite(s): Graphic Design I		Fee Required: No	
Description: Are you ready to take your design skills to the next level? With Graphic Design II you will take your knowledge of Typography and Design Principles to a new level. Pushing through the boundary of print work into graphic arts and web based advertising. Students will have the opportunity to take the Adobe Certified Associates test (ACA) in Photoshop and Illustrator.			
7335	Practicum in Graphic Design	(PRACGRD1)	ELEC
12	13009000/5	Length of Course: Year	Credit: 2-34.0
Prerequisite(s): Coherent sequence in Grap. Design courses, Enrollment Review in Committee*		Fee Required: No	
Description: This cooperative education program offers technical instruction, on the job training, and work experience. Students are preparing to enter employment in occupations requiring knowledge and skills in graphic design. Students may be in paid or unpaid work experiences for this course.			

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

BUSINESS, MARKETING & FINANCE

0841	Business Information Management I	(BUSIM1)	ELEC
9-12	13011400	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): None

Fee Required: No

Description: Have you dreamed of becoming an entrepreneur or a tycoon in the business industry? As a student in Business Information Management you will go beyond the basics and get a head start on mastering the most popular business software suite--Microsoft Office. Learn Word, Excel, PowerPoint and Access and have the opportunity to earn the MOS Certification. Learn important technology and business skills while utilizing your creativity. Field trips to area businesses will be planned to discover and emphasize how "business" can be found in every career. This course is highly recommended for preparing students for career and college entry. Skills learned in this course will prepare students for secondary education as well as enhancing their ability to make a successful transition in the workforce.

0842	Business Information Management II	(BUSIM2)	ELEC
10-12	13011500	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Business Information Management I

Fee Required: No

Description: As a student in the second year of Business Information Management you will strengthen your individual performance in workplace, society, and business management skills. Oral & written communication, teamwork, public relations, and leadership skills are emphasized through student's implementation of their own business projects. Students will have further opportunities to receive their MOS Certifications. Field trips to area businesses help discover and emphasize how "business" can be found in every career. This course will allow students to apply technical skills to address business applications of emerging technologies, create complex word-processing documents, develop sophisticated spreadsheets using graphs and charts, and make an electronic presentation using appropriate multimedia software. Students gain personal and interpersonal skills that will strengthen their opportunity to make a successful transition to the workforce or postsecondary education.

0226	Statistics and Business Decision Making	(STATBDM)	ELEC/MATH
11-12	13016900	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Algebra II

Fee Required: No

Description: Did you know that 9 out of 10 students love this course? Statistics and Business Decision Making is an introduction to statistics and the application of statistics to business decision making. Students will use statistics to make business decisions. Students will determine the appropriateness of methods used to ensure conclusions are valid. This course can be used as the fourth math credit.

0242	Financial Mathematics	(FINMATH)	MATH/CTE
11-12	13018000	Length of Course: Year	Credit: 1 4.0

Prerequisite(s): Geometry

Fee Required: No

Description: Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors.

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EDUCATION & TRAINING

7207	Principles of Education and Training	(PRINEDTR)	ELEC
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9-10	13014200	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): None **Fee Required:** No

Description: "A teacher affects eternity; he can never tell where his influence stops" --Henry Adams. If you want to influence the future, teaching might be for you! This course is designed to introduce learners to the various careers available within the education and training career clusters. Students use self-knowledge, educational, and career information to analyze various careers within the education field.

7213	Human Growth and Development	(HUGRDEV)	ELEC
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10-12	13014300	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): Principles of Education and Training **Fee Required:** No

Description: Ever wonder why teenagers make impulsive decisions? Or why toddlers can't seem to reason with you? It's not just about maturity, but about the development of the brain. This course is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social development milestones.

7201	Instructional Practices	(INPRAC)	ELEC
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11-12	13014400	Length of Course: Year (Block)	Credit: 2	4.0
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Prerequisite(s): Human Growth and Development; Enrollment Review in Committee* **Fee Required:** No

Description: If you see a future as a kindergarten teacher, or a math teacher, or a coach, come get some experience first! This course is a field-based internship which provides students background knowledge of effective teaching practices. Students participate in activities at both their home campus and field site elementary school, intermediate, or junior high school. Students are involved in direct instruction as well as observations.

7330	Practicum in Education and Training	(PRACEDT1)	ELEC
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12	13014500	Length of Course: Year (Block)	Credit: 2-3	4.0
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Prerequisite(s): Instructional Practices; Enrollment Review in Committee* **Fee Required:** No

Description: Students that have chosen teaching as a career can continue an internship their senior year. Students will participate in activities at both their home campus and field site elementary, intermediate, or middle schools. Students are involved in direct instruction as well as observations.

***This Program of Study is under review for 2023-2024; Certification concerns are being addressed with the Commissioner.*

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

HEALTH SCIENCE

0352	Medical Terminology		(MEDTERM)	ELEC
9-11	13020300	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): None			Fee Required: No	
Description: Astigmatism, Bronchiectasis, Conjunctiva, easy as A, B, C....or it might be if you take this class! This course is designed to develop a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the ability to successfully secure employment.				
0917	Principles of Health Science		(PRINHLSC)	ELEC/HEALTH
10-11	13020200	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Biology (may be taken concurrently)			Fee Required: No	
Description: Attention future Nurses, Doctors, and other Medical Professionals: This course includes skills related to the healthcare industry such as taking vital signs, body mechanics, medical terminology and other entry level skills. Course content relates to patient relationships, working environments, ethical and legal responsibilities. Varied health care occupations are explored to aid students in career selection and prepare them for future employment.				
0324	Pathophysiology		(PATHO)	ELEC/SCIENCE
11-12	13020800	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Biology and Chemistry			Fee Required: No	
Description: Are you sick? Have you come down with an illness? Did you sustain an injury? Or do you have a disease? This course will help define these terms and is designed for students to conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Pathophysiology will study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. It is an ideal resource on basic diseases for anyone going into the medical profession.				
0338	Anatomy and Physiology		(ANATPHYS)	ELEC/SCIENCE
11-12	13020600	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Biology			Fee Required: No	
Description: The leg bone's connected to the knee bone, the knee bone's connected to the thigh bone.....Anatomy and Physiology of Human Systems is a laboratory oriented course in which students investigate the structures and functions of the components of the human body. The course presents investigation of the specialization of cells, how cells function cooperatively as tissue and organs, and the interrelationships of systems that result in a living organism. The course offers students opportunities to investigate anatomical structures and regulating mechanisms that influence how systems function. These concepts may be reinforced through application in a medical facility or simulation lab. The course is designed to build a knowledge base for those students who wish to pursue a medically related career.				
0918	Health Science Theory		(HLTHSCI)	ELEC
11-12	13020400	Length of Course: Year	Credit: 1	4.0
Prerequisite(s): Principles of Health Science, Enrollment Review in Committee*			Fee Required: No	
Description: This course is for students pursuing a career in healthcare. It is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will have in class hands-on experiences for continued knowledge and skill development. Students will have the opportunity to investigate and observe a large variety of health care areas rather than a single health care field. Testing, including drug screenings, background checks and additional immunizations may be required by the cooperating health care facility.				
0922	Practicum of Health Science		(PRACHLS1)	ELEC
12	13020500	Length of Course: Year (Block)	Credit: 2	4.0
Prerequisite(s): Health Science Theory, Enrollment Review in Committee*			Fee Required: No	
Description: This course is for students pursuing their Certified Nursing Assistant (CNA). Students will have in class hands-on experiences for continued knowledge and skill development. The course may be taught by different methodologies such as clinical rotation, internships and simulation lab training. Students will have the opportunity to investigate and observe a large variety of health care areas rather than a single health care field. Testing, including drug screenings, background checks and additional immunizations may be required by the cooperating health care facility. Graduates will be qualified to take the certification examination for Certified Nursing Assistant (CNA)..				

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

INFORMATION TECHNOLOGY

0847	Principles of Information Technology	(PRINIT)	ELEC
9-10	13027200	Length of Course: Year	Credit: 1 4.0
Prerequisite(s): None		Fee Required: No	
Description: Are you interested in the fast-paced, changing industry of Information Technology? This course will offer an introductory level of knowledge on a variety of subjects including blogs, forums and messaging. Areas covered would include computer hardware and software, networking, programming, web page design, Microsoft Office applications, file management and operating systems.			
7705	Computer Maintenance	(COMMT)	ELEC
10-12	13027250	Length of Course: Year	Credit: 1 4.0
Prerequisite(s): Principles of Information Technology		Fee Required: No	
Description: Computer safety, security, hardware components, assembly and architecture will be studied in depth. Students will assemble and dismantle a working computer, and will install and study several different operating systems ranging from Windows XP. Windows 7, Windows 10, Linux and Mac OS. DC electronics will be covered as well as principles and techniques of electronic soldering. Students will be prepared to take the internationally recognized CompTIA A+ Certification Exam.			
7710	Networking	(NETWRK)	ELEC
11-12	13027310	Length of Course: Year	Credit: 2 4.0
Prerequisite(s): Computer Maintenance		Fee Required: No	
Description: Ever wonder what keeps us connected to the internet and to our cell phones? In this course students will study the fundamentals of computer networks and internet connectivity. Hands-on applications will be used to learn network server administration, security, imaging cloning and casting, disaster recovery, windows domain environments and web server hosting administration. Students will maintain classroom networks as well as dedicated file servers. Students will be prepared to take the internationally recognized CompTIA Network+ Certification Exam			
7715	Practicum of Information Technology	(PRACIT1)	ELEC
12	13028000	Length of Course: Year	Credit: 2 4.0
Prerequisite(s): Coherent sequence of Info. Tech. courses, Enrollment Review in Committee*		Fee Required: No	
Description: This cooperative education program offers technical instruction, on the job training, and work experience. Students are preparing to enter employment in occupations requiring knowledge and skills in information technology courses. Students may be in paid or unpaid work experiences for this course.			

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

MANUFACTURING

7309	Introduction to Welding		(INTRWELD)	ELEC
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10-11	13032250	Length of Course: Year	Credit: 1	4.0
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Prerequisite(s): Principles of Skilled Trades **Fee Required:** No

Description: If you like to roll up your sleeves, work with your hands, and create usable items, consider a career in welding. Topics in this course include: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. This course provides knowledge, skills, and technologies required for employment in welding industries. Students are responsible for having proper personal safety equipment (PPE) to include long denim pants or coveralls, closed toe leather shoes and safety glasses. This class is composed of 75% shop time.

7304	Welding I		(WELD1)	ELEC
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11-12	13032300	Length of Course: Year (block)	Credit: 2	4.0
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Prerequisite(s): Introduction to Welding, Enrollment Review in Committee* **Fee Required:** No

Description: Students who seek careers in welding and manufacturing should follow this sequence. This course provides knowledge, skills, and technologies required for employment in welding industries. Students are responsible for having proper personal safety equipment (PPE) to include long denim pants or coveralls, closed toe leather shoes and safety glasses. This class is composed of 75% shop time.

7308	Welding II		(WELD2)	ELEC
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12	13032400	Length of Course: Year (block)	Credit: 2	4.0
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Prerequisite(s): Welding I, Enrollment Review in Committee* **Fee Required:** No

Description: This course builds on the knowledge and skills developed in Welding I and students will develop advanced welding concepts. Students are responsible for having proper personal safety equipment (PPE) to include long denim pants or coveralls, closed toe leather shoes and safety glasses. This class is composed of 75% shop time.

7021	Practicum in Manufacturing		(PRACMAN1)	ELEC
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12	13028000	Length of Course: Year	Credit: 2	4.0
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Prerequisite(s): Coherent sequence of Welding courses, Enrollment Review in Committee* **Fee Required:** No

Description: This cooperative education program offers technical instruction, on the job training, and work experience. Students are preparing to enter employment in occupations requiring knowledge and skills in welding courses. Students may be in paid or unpaid work experiences for this course.

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.

ADVANCED MANUFACTURING DUAL CREDIT PROGRAM WITH TEMPLE COLLEGE

	Principles of Applied Engineering/Design and Presentation (Dual Credit)		(???)	ELEC
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11	13036200/13036500	Length of Course: Year	Credit: 1 (each)	5.0
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Prerequisite(s): None **Fee Required:** No

Description: This dual credit program with Temple College in Advanced Manufacturing prepares individuals to apply technical knowledge and skills by preparing students for entry-level positions with Mechanical and Industrial Engineers. Emphasis is placed on drafting, design, development, testing and manufacturing mechanical devices. Students should be prepared to take this rigorous set of courses both junior and senior year. Students will graduate with an Associate's degree.

	Manufacturing Engineering Tech/Design & Presentation II (Dual Credit)		(???)	ELEC
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12	1303032900/1303660	Length of Course: Year	Credit: 1 (each)	5.0
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Prerequisite(s): None **Fee Required:** No

Description: This dual credit program with Temple College in Design Engineering Technology prepares individuals to apply technical knowledge and skills by preparing students for entry-level positions with Mechanical and Industrial Engineers. Emphasis is placed on drafting, design, development, testing and manufacturing mechanical devices. Students should be prepared to take this rigorous set of courses both junior and senior year. Students will graduate with an Associate's degree.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

CADD ENGINEERING DUAL CREDIT PROGRAM WITH TEMPLE COLLEGE

Principles of Applied Engineering/Design and Presentation (Dual Credit)			(???)	ELEC
11	13036200/13036500	Length of Course: Year	Credit: 1 (each)	5.0

Prerequisite(s): None

Fee Required: No

Description: This dual credit program with Temple College in Design Engineering Technology prepares individuals to apply technical knowledge and skills by developing working drawings utilizing engineering graphics, 2D and 3D engineering design, solid modeling, engineering animation and architectural related construction projects, basic construction and structural design. Instruction also includes basic civil engineering principles, geological and land surveying app, geometric dimensioning and tolerance, blueprint reading, and technical communication. The Engineering Technologist supports engineering projects for Architects, Civil Engineers, Geological Engineers, Mechanical, Electrical and Industrial Engineers and related professionals. Students should be prepared to take this rigorous set of courses both junior and senior year. Students will graduate with an Associate's degree.

Manufacturing Engineering Tech/Design & Presentation II (Dual Credit)			(???)	ELEC
12	1303032900/1303660	Length of Course: Year	Credit: 1 (each)	5.0

Prerequisite(s): None

Fee Required: No

Description: This dual credit program with Temple College in Design Engineering Technology prepares individuals to apply technical knowledge and skills by developing working drawings utilizing engineering graphics, 2D and 3D engineering design, solid modeling, engineering animation and architectural related construction projects, basic construction and structural design. Instruction also includes basic civil engineering principles, geological and land surveying app, geometric dimensioning and tolerance, blueprint reading, and technical communication. The Engineering Technologist supports engineering projects for Architects, Civil Engineers, Geological Engineers, Mechanical, Electrical and Industrial Engineers and related professionals. Students should be prepared to take this rigorous set of courses both junior and senior year. Students will graduate with an Associate's degree.

CAREER DEVELOPMENT

7200	Career Preparation I		(CAREERP1)	ELEC
11-12	12701500/5	Length of Course: Year	Credit: 3	4.0

Prerequisite(s): Coherent sequence of CTE courses, 16 y.o., Enrollment Review in Committee* **Fee Required:** No

Description: Get credit while earning and learning on the job and in the classroom. Students will complete employment portfolios, investigate post-secondary education choices, study the rights and responsibilities of the workplace, money management, entrepreneurship, and business etiquette. Students must work a minimum of 15 hours per week in an approved training station in any cluster field. Your supervisor at work and your classroom instructor will be working together to assess your progress. Students are responsible for their own transportation and must obtain approved employment within the first two weeks of school.

7209	Career Preparation II		(CAREERP2)	ELEC
12	12701400/5	Length of Course: Year	Credit: 3	4.0

Prerequisite(s): Coherent sequence of CTE courses, 16 y.o., Enrollment Review in Committee* **Fee Required:** No

Description: Career Preparation II allows students to continue on a strong career preparation path by combining paid employment with classroom instruction in leadership, management, communication and employability skills. Career Prep II has the same requirements as Career Prep I. A great resume builder!

*NOTE: In indicated Career and Technical Education (CTE) courses; Enrollment Review in Committee (ERIC) processes may be conducted when a course requires limited enrollment considerations due to facility space, safety and skills competence, and/or community partnership agreements.