

**New Braunfels High School
Main Campus
&
Ninth Grade Center
Course Catalog**

2021-22

**Foundation Graduation Plans
With Endorsements**

ACADEMIC PLANNING FOR FUTURE SUCCESS

The New Braunfels Independent School District develops the high school course catalog in order to assist in planning a student's academic program. The information provided in this publication will help students and parents make appropriate choices for the student's high school career. NBISD graduation requirements as well as a student's individual needs and interests should be considered as selections are made both for semester and yearly courses. All NBISD students are expected to prepare for both college and careers. The high school curriculum in NBISD is designed to meet the needs of students who are preparing for college, careers, and citizenship in the community. New Braunfels High School offers a full range of courses, including advanced academics, and a comprehensive array of Career and Technology Education programs. In addition to the core academic programs, New Braunfels High School offers a variety of extra-curricular and co-curricular programs for students as well as numerous clubs and organizations for students to join. In an effort to meet the demands of college and career after high school, all students entering the 9th grade in the 2014-15 school year and beyond are required to fulfill coursework and assessments for the Foundation with Endorsement Graduation Plan.

Select courses carefully because schedule changes may be limited. **It should be noted that not all of the courses listed are scheduled every year.** Since it is not economically feasible to schedule classes in which only a few students enroll, the class may not be offered for the current year. Staff availability and sufficient numbers of student requests for specific courses then become determining factors as to whether or not a course is scheduled.

In certain instances, students may be eligible to enroll in online courses hosted through the Texas Virtual School Network (TxVSN). The district may pay for a course, or courses, if all of the following conditions are met:

- 1) The requested course is part of the student's approved graduation plan, and
- 2) The district does not offer a substantially similar course, and
- 3) The requested course can be completed during the student's regular school day schedule.

Funding is limited to no more than three yearlong courses, or the equivalent, during a school year. Students/parents may elect to participate in additional courses at their expense. Students/parents may also choose to enroll in any courses, at their expense, that do not meet the criteria listed above. Interested students should talk to their counselor for more information regarding TxVSN courses. (*See Board Policy EHDE Legal and Local*).

Take time to look through the numerous course electives and programs of study that interest you. Students and parents should take time to discuss goals and interests. Students and parents are also encouraged to attend information sessions offered during registration. Counselors, teachers, and administrators are available to help students and parents with this important process.

NBISD INFORMATION

District Office

New Braunfels ISD
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New Braunfels, TX 78130
830-643-5700

Superintendent of Schools: Randy Moczygemba
Assistant Superintendent for Curriculum: Kara Bock
Assistant Superintendent of Finance and Operations: Dr. Clinton McLain
Executive Director of Personnel: Kathy Kenney
Director of Student Services: Clay Gillentine
Executive Director of Special Education: Martha Moke
Executive Director of Technology: Matt Jones
Career and Technical Education Director: Rachel Behnke
Director Federal Programs: Ron Rychel
Director of Curriculum and PD: Lori Gruwell
Director of Language Learner Programs: Kimberly Brann
Director of Communications: Rebecca Villarreal

New Braunfels High School Main Campus

2551 Loop 337 N
New Braunfels, TX 78130
830-627-6000

Principal: Chris Smith
Academic Dean:
Assistant Principal: Oscar Cortez
Assistant Principal: Scott Presley
Assistant Principal: Tracie Bendele

Lead/CCMR Counselor: Angela Burton
Counselor: Stephanie Dean
Counselor: Renee Kinsey
Counselor: Faride Nasser
Counselor: Krista Schultze
Counselor: Marylynne Weaver

New Braunfels High School Ninth Grade Center

659 S. Guenther
New Braunfels, TX 78130
830-629-8600

Interim Principal: Sandra Littlejohn
Assistant Principal: Kelly Ruiz
Assistant Principal: Rudy Gonzalez
Counselor: Bianca Patterson
Counselor: Anna Lisa Vela

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Section 1

General Information

PROGRAMS OF STUDY OVERVIEW

Coursework

House Bill 5 (HB 5), passed by the 83rd Texas Legislature and signed by the governor, provides for a new set of graduation plans for Texas students. These graduation plans consist of a foundation plan for every Texas student and five endorsements from which students may choose, depending on their interests. When selected, students will complete each of these endorsements with the required Mathematics, Science, English Language Arts, and Social Studies credits. Students are also required to complete two foreign language credits, which may be substituted with two credits in computer programming language.

Students entering 9th Grade must choose from one of the following endorsements:

- STEM
 - Includes courses directly related to: science, including environmental science, technology, computer science, engineering, math, and health sciences.
- Business and Industry
 - Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, architecture, construction, welding, logistics, automotive technology, agricultural science, and HVAC
- Arts and Humanities
 - Includes courses directly related to: political science, world languages, cultural studies, English literature, history, and fine arts
- Public Services
 - Includes courses directly related to: education and training, law enforcement, culinary arts, and hospitality
- Multidisciplinary Studies
 - Allows a student to select courses from the curriculum of each endorsement area and earn credits in a variety of advanced courses from multiple content areas sufficient to complete the distinguished level of achievement

Students may change their endorsement plan at any time prior to graduation. However, the later the change, the more challenging it will be to complete required or prerequisite endorsement classes.

To qualify for “automatic admission” to Texas public universities as part of the top ten percent of their graduating class, students must complete the Distinguished component, successfully completing Algebra II.

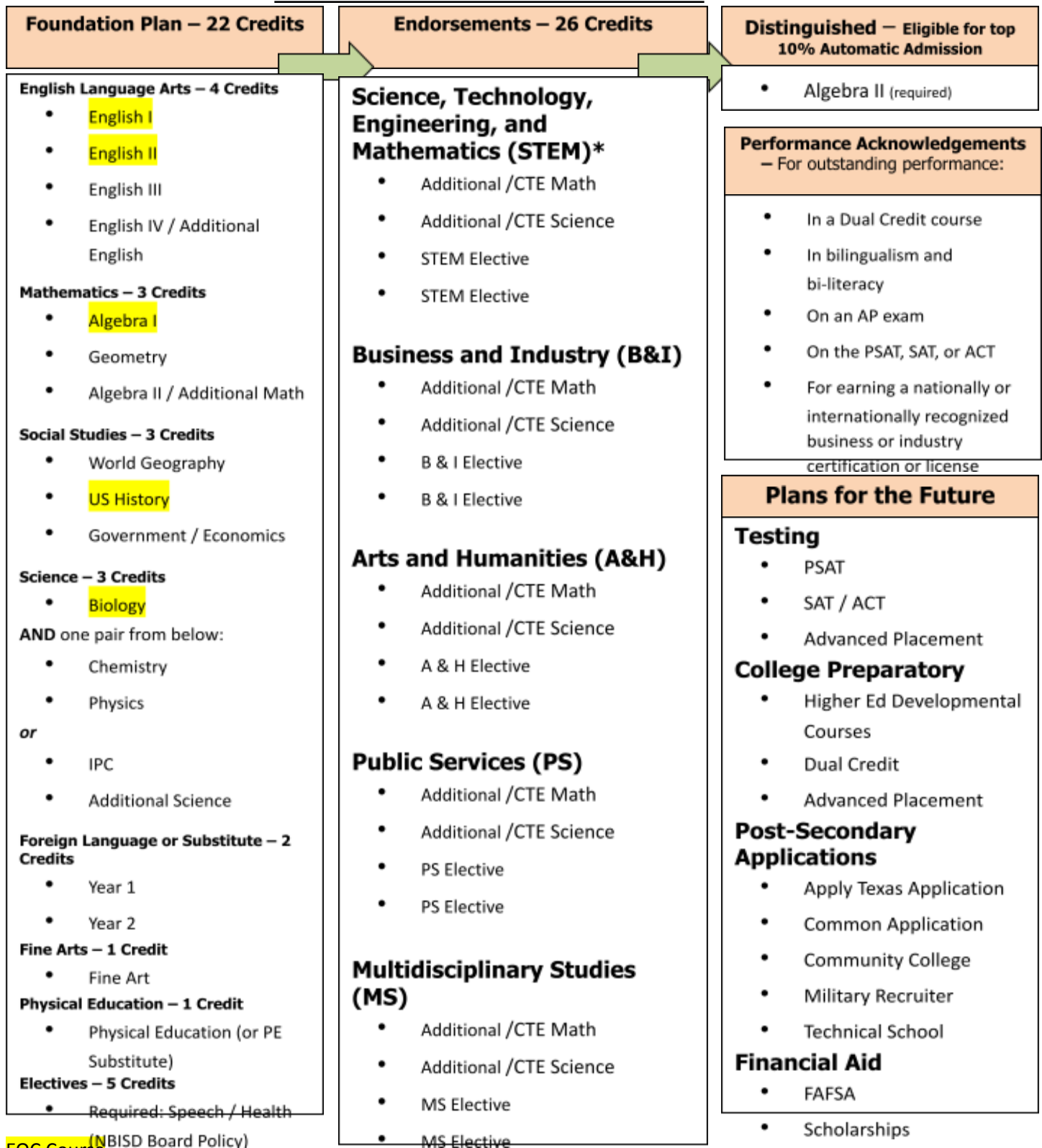
Testing

Students are required to pass five State of Texas Assessments of Academic Readiness (STAAR®) end-of-course exams to meet the new graduation requirements:

- Algebra I
- Biology
- English I (Reading/Writing)
- English II (Reading/Writing)
- US History

A student’s score on the STAAR EOC does not impact the final course grade, nor does it impact the grade point average.

PROGRAMS OF STUDY OVERVIEW



EOC Course (NBISD Board Policy)

*Algebra II required foundation for STEM and Distinguished

PROGRAMS OF STUDY OVERVIEW

Alternative Credits

Grades earned by alternative credit course work will not be averaged into a student's weighted GPA or class rank. These courses are counted for credit toward the graduation plan only. Courses not used for calculations include: correspondence courses, distance learning, online courses, exam for acceleration, credits received from home school coursework, credits received from unaccredited schools.

Foundation without Endorsement

There is a foundation without endorsement graduation plan that may be available to certain students after their sophomore year. To be considered for this plan, a meeting is required between the student, parent, counselor, and/or ARD committee.

Graduating Early

Students may elect to graduate in 3 years or 3.5 years for reasons such as beginning full-time college coursework or full-time employment. Students MUST declare in writing their intention to graduate early. This decision requires special course planning with counselors in conjunction with students and parents in order to meet all state requirements for graduation.

- The campus deadline for declaring the intent to graduate in 3 years is May of the 10th grade school year.
- The preferred campus deadline for declaring the intent to graduate in 3.5 years is December of the 11th grade school year, but no later than May of the 11th grade school year.

CLASS RANK

The purpose of class ranking is to determine a student's academic standing in their high school graduating class. Academic class rank is the academic position a student holds in relation to other students in his or her grade level.

A graduated point scale is used to determine student class ranking. Semester averages are converted to ranking points. The only courses used to determine class rank are those courses in English, Math, Science, Social Studies, Foreign Language, Advanced Placement, Dual Credit Courses, and Credit by Exams for courses with prior instruction. See the Course Listings section for specific course rank point values.

Weighted Rank GPA

- o For ranking purposes, only core classes, foreign language, and all Honors, AP, and Dual Credit courses, and Credit by Exams for courses with prior instruction are counted toward rank. NBISD uses an 8.0 weighted scale.
- o A weighted numeric rank will be provided to each student at the end of the school year. Juniors and Seniors will additionally receive a mid-year rank at the end of the first semester. Rank is also available upon request.
- o No rank points are awarded for any class in which credit is denied (due to attendance or a grade below 70).

4.0 GPA

- o Will include all courses.
- o Each semester grade
 - 90 – 100 = 4 points
 - 80 – 89 = 3 points
 - 70 – 79 = 2 points
 - Anything below 70 = 0 points.
- o The total number of points is divided by the total number of course semesters.
- o Failed courses receiving 0 points will be included in this GPA.

High School Courses Taken in Middle School

NBISD offers a number of high school credit courses in middle school. Students who successfully complete a high school level course in middle school can continue the sequence of courses in grades 9-12. However, the student may retake a high school course taken previously in middle school, but use only one of the two grades for credit and rank (whichever grade is most advantageous to the student). The other will remain on the transcript, but will not be counted for credit or weighted rank. All courses on the transcript will be calculated in the 4.0 GPA.

CLASS RANK

| Grade earned | Rank points earned | | |
|--------------|------------------------|---------------|---------------|
| | 6 point class | 7 point class | 8 point class |
| 100 | 6.0 | 7.0 | 8.0 |
| 99 | 5.9 | 6.9 | 7.9 |
| 98 | 5.8 | 6.8 | 7.8 |
| 97 | 5.7 | 6.7 | 7.7 |
| 96 | 5.6 | 6.6 | 7.6 |
| 95 | 5.5 | 6.5 | 7.5 |
| 94 | 5.4 | 6.4 | 7.4 |
| 93 | 5.3 | 6.3 | 7.3 |
| 92 | 5.2 | 6.2 | 7.2 |
| 91 | 5.1 | 6.1 | 7.1 |
| 90 | 5.0 | 6.0 | 7.0 |
| 89 | 4.9 | 5.9 | 6.9 |
| 88 | 4.8 | 5.8 | 6.8 |
| 87 | 4.7 | 5.7 | 6.7 |
| 86 | 4.6 | 5.6 | 6.6 |
| 85 | 4.5 | 5.5 | 6.5 |
| 84 | 4.4 | 5.4 | 6.4 |
| 83 | 4.3 | 5.3 | 6.3 |
| 82 | 4.2 | 5.2 | 6.2 |
| 81 | 4.1 | 5.1 | 6.1 |
| 80 | 4.0 | 5.0 | 6.0 |
| 79 | 3.9 | 4.9 | 5.9 |
| 78 | 3.8 | 4.8 | 5.8 |
| 77 | 3.7 | 4.7 | 5.7 |
| 76 | 3.6 | 4.6 | 5.6 |
| 75 | 3.5 | 4.5 | 5.5 |
| 74 | 3.4 | 4.4 | 5.4 |
| 73 | 3.3 | 4.3 | 5.3 |
| 72 | 3.2 | 4.2 | 5.2 |
| 71 | 3.1 | 4.1 | 5.1 |
| 70 | 3.0 | 4.0 | 5.0 |
| below 70 | no rank points awarded | | |

Courses receiving up to 8 points:

All Advanced Placement courses

All Dual Credit

All OnRamps Dual Enrollment

Transferred IB courses

CLASS RANK

Courses receiving up to 7 points:

All Honors core, foreign language, and fine arts classes

Courses receiving up to 6 points:

All academic level core and foreign language classes
Credit by Exams with prior instruction

Courses receiving up to 5 points:

All modified content core classes

Courses receiving up to 4 points:

All alternative content core classes

See the Course Listings section for specific course rank point values

ADVANCED ACADEMICS

High school students may earn college or university credits during their high school years through enrollment in **Advanced Placement, Dual Credit, Dual Enrollement** and/or **Local/State Articulations** through **Tech Prep** agreements with local colleges.

Advanced Placement: Students may earn college credits through qualifying scores on the College Board AP Examinations, which are offered in May of each school year. There is a fee for each exam.

Dual Credit: NBISD is in partnership with the Alamo Community College District to give students an opportunity to earn college credit while in high school by enrolling in dual credit courses. These courses may be listed in conjunction with AP courses or as separate Dual Credit courses. Course offerings are contingent upon teacher credentials and adequate student enrollment. Students may be required to purchase college textbook(s) selected by college faculty. The teacher will provide this information in the course syllabus the first day of school.

Dual Enrollment: NBISD partners with The University of Texas at Austin to provide Dual Enrollment courses via their OnRamps program to give students an opportunity to earn college credit while in high school. Dual enrollment provides a low-risk environment, as students will have the opportunity to accept or decline the college credit if he or she meets requirements. Course offerings are contingent upon teacher credentials and adequate student enrollment. Students will be required to pay a tuition fee for each OnRamps course enrolled, and parents will be contacted via email prior to the first day of instruction with information on how to submit the fee payment.

AP, Dual Credit, Dual Enrollment and Honors courses focus on college-preparatory and college-level skills and thinking. Often, additional time outside of class is required to adequately complete coursework. Successful students in these courses are often well-organized and self-motivated.

Some AP and Honors courses require the completion of summer reading and / or a summer assignment. This practice is considered a common and normal component of AP and Honors courses. Students who choose to enroll in AP or Honors courses are responsible for obtaining their summer reading list or assignment packet before they leave for summer vacation. Students who transfer from another school will be given an appropriate length of time to catch up on the summer reading or assignment.

It is important to make careful choices about the number of advanced courses selected. Students should consider a well-balanced course load in order to maximize success both in academics as well as extra-curricular activities. Other considerations may be family and community time commitments outside of school. Students concerned about the status of their college application and high school transcript will want to contact the colleges and universities they are most interested in to get a sense of that school's preferences regarding advanced academics in high school.

Enrolling in a Dual Credit courses

ADVANCED ACADEMICS

Students must meet the college entrance requirements for each course they wish to take. **Students MUST contact their counselor for additional information** in order to complete all required steps in the Dual Credit process. Student can access dual credit courses on the HS Counselor website. **It is highly recommended that a student conference with their current teacher about wanting to take a future Dual Credit course before registration.**

Enrolling in an AP or Honors course

New Braunfels High School offers open enrollment to Honors and AP courses. This means *“The AP Program encourages educators to make equitable access a guiding principle for their AP courses by giving all willing and academically prepared students the opportunity to succeed in rigorous, college-level experiences and the advantages they bring.”* (from the AP Equity and Excellence Report to the Nation). Please also read the additional information regarding the dropping of an AP or Honors course. **It is highly recommended that a student conference with their current teacher about wanting to take a future Advanced Placement course before registration.**

Enrolling in Local/State Articulated Tech Prep course (High School Main Campus)

NBISD students must indicate that they wish to participate in the technical preparation course of study on their 4 year plan and complete the required sequence of tech prep courses earning a minimum of 80 in each articulated course and take at least one of the courses during their Junior or Senior year. In order to receive the earned tech prep credit after high school, students must:

1. Meet the entrance qualifications for the participating college
2. Complete 6 hours of college credit at the participating college before receiving the escrowed college credit while in high school.

Please contact your counselor for further details.

Dropping a Dual Credit course

Students and parents **must** conference with the teacher and the counselor prior to dropping a Dual Credit course. Depending on the drop date, the state of Texas may count the dropped course toward a maximum number (six classes) of allowable dropped college courses throughout a student’s college career.

Schedule Changes

Students may request corrections to their schedules only for the following reasons:

The student:

- Is a senior not scheduled in a course needed for graduation.
- Has already earned credit for a course in which he/she is currently scheduled.
- Does not have the prerequisite(s) for a class listed on his/her schedule.
- Has previously failed this course under the same teacher.
- Has been dismissed from a program for which approval must be granted for placement.
- Does not have a full schedule or a data entry error (same class listed twice, free period, etc).
- Is requesting a level change (see below).
- Other as approved by building administrator or designee.

Course Level Changes:

ADVANCED ACADEMICS

To be eligible for a course level change, a student must have been academically misplaced in the current course.

Students must be able to show a sincere effort to succeed in order to be considered for a drop:

- No zeroes
- Good attendance
- Attend tutorials regularly
- Take advantage of re-learn and re-test opportunities
- School and home have been in communication

This can be documented on a drop request form available from the counseling office. If these efforts are met and the student is earning less than a grade of 75, that student will be **considered** for a change. To prevent a negative impact on other students, final approval will depend upon space and teacher availability in the receiving class. **Timing:** Course level changes *after the second week of the semester* will be considered at the end of each nine-week grading period.

Dropping an extra-curricular type class such as Band, ROTC, Athletics, Choir, or Cheerleading will require a parent signature as well as a coach/sponsor's signature.

Emergency Situations: Students who miss a significant amount of school for unavoidable emergency reasons may request consideration to drop a class with no academic repercussions through the Student Support Team (SST) or Admissions, Review, Dismissal (ARD) process.

Developmental College Courses

Developmental Courses will be offered for seniors scoring below core content College Readiness standards.

COURSE LEVEL DESIGNATIONS AND GRADING GUIDELINES

The Ninth Grade Center and Main Campus will use a transitional grading scale in order to accomplish the following goals:

- Gradually increase the level of student responsibility for learning in preparation for college and career expectations
- Reflect both the general age of the student as well as the rigor of the course
- Provide teachers some flexibility in grading to allow for individual teaching and assessment styles and methods

The transitional grading scale designates each course into one of four levels. Course levels will be posted in the Course Descriptions section.

| Course Level | Major Grades | Daily Grades | Homework Grades | Opportunity to re-test | Late work allowed | Optional Extra Credit |
|--------------|---------------------------------|---------------------------------|-----------------|------------------------|--------------------------|-----------------------|
| Level 1 | 40 – 50% Minimum 3 grades | 40 – 50% Minimum 9 grades | 0 – 20% | Yes | Yes 2 schools days | Yes |
| Level 2 | 50 – 60% Minimum 3 grades | 40 – 50% Minimum 9 grades | 0 – 10% | Yes | Yes 1 school day | Yes |
| Level 3 | 60 – 70% Minimum 3 grades | 30 – 40% Minimum 7 grades | 0 – 10% | Yes | Yes 1 school day | Yes |
| Level 4 | 70 – 80% Minimum 3 grades | 20 – 30% Minimum 7 grades | 0% | No | Yes 1 school day | No |

A student who fails a major grade may be given the opportunity to re-learn and re-test for a maximum grade of 70. In the event that the re-test grade is also failing, the higher of the two grades will be recorded

A student who turns in work past the due date may only receive a maximum grade of 70. This is not the same as turning in work after an absence.

Course subject teachers are not required to provide extra credit in any course. If extra credit is provided, ALL students enrolled in the course will have the opportunity to complete.

Section 2

Course Descriptions

CORE CLASSES:

English Language Arts, Mathematics, Science, & Social Studies

ELECTIVES:

Foreign Language, Fine Arts, PE & Athletics, Military Science
Career and Education Studies

LOCAL CREDITS

Student Course Selection

All students should choose their courses carefully in the spring. The 9th Grade Center and High School determine which courses to offer by the number of student requests in the spring. The master schedule and teacher assignments are also developed based on these student requests. The opportunities to change a class after the schedule has been set will be limited.

Course Locations

Some courses are only offered at the Ninth Grade Center or the High School Main Campus. Please look carefully when creating a four-year plan.

Some courses offered through the Ninth Grade Center may still physically meet at the High School Main Campus. Shuttle busses are provided to transport students between campuses.

ENGLISH LANGUAGE ARTS

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|-------------------|------------------------------------------------------------|---------|--------------------|----|--------------|-----------------|-----------------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| ENGLISH | | | | | | | | | | |
| 1033 | English I Honors EOC | 9 | X | | 03220100 | Eng 1 | 7 | 2 | 1 | |
| 1133 | English II Honors EOC | 10 | X | X | 03220200 | Eng 2 | 7 | 2 | 1 | |
| 1213 | English III Honors | 11 | | X | 03220300 | Eng 3 | 7 | 3 | 1 | |
| 1233 | English III AP Language and Composition | 11 | | X | A3220100 | APEngLan | 8 | 4 | 1 | |
| 1223 | English III Dual Credit Comp and Rhetoric | 11 | | X | 03220300 | Eng 3 D | 8 | 4 | 1 | |
| 1313 | English IV | 12 | | X | 03220400 | Eng 4 | 6 | 3 | 1 | |
| 1323 | English IV Dual Credit Comp and Rhetoric | 12 | | X | 03220400 | Eng 4 | 8 | 4 | 1 | |
| 1333 | English IV Dual Credit British Lit | 12 | | X | 03220400 | Eng 4 | 8 | 4 | 1 | X |
| 1343 | English IV AP Literature and Composition | 12 | | X | A3220200 | APEngLit | 8 | 4 | 1 | |
| 1325 | College Preparatory ELA | 12 | | X | CP110100 | CPELA | 0 | 2 | P | X |
| 1380 | Practical Writing Skills | 9 – 11 | X | X | 03221300 | Pract WR | 6 | 2 | .5-1 | |
| 1390 | Research and Technical Writing | 10 – 12 | | X | 03221100 | Tech WR | 6 | 2 | .5-1 | |
| 1063 | ESOL I | 9 – 12 | X | X | 03200600 | Eng1SOL | 6 | 1 | 1 | X |
| 1073 | ESOL II | 9 – 12 | X | X | 03200700 | Eng2SOL | 6 | 1 | 1 | X |
| 1090 | English Language Development and Acquisition 1 and 2 | 9-12 | X | X | 03200800 | ELDA1 | NA | 1 | 1 | X |
| 1091 | | | | | 03200810 | ELDA2 | NA | 1 | 1 | X |
| 1206 | Reading I | 9 – 12 | X | X | 03270700 | Read I | NA | 1 | .5-1 | X |
| 1207 | Reading II | 9 – 12 | | X | 03270800 | Read II | NA | 1 | .5-1 | X |
| 1208 | Reading III | 9 – 12 | | X | 03270900 | Read III | NA | 1 | .5-1 | X |
| 8013 | English II Modified | 10 | | X | 03220200 | Eng 2 | 5 | 1 | 1 | X |
| 8043 | English III Modified | 11 | | X | 03220300 | Eng 3 | 5 | 1 | 1 | X |
| 8083 | English IV Modified | 12 | | X | 03220400 | Eng 4 | 5 | 1 | 1 | X |
| 8443-8483 | Applied Language Arts I-IV | 9 – 12 | | X | ARD Decision | ARD Decision | 4 | NA | 1 - 4 | X |
| SPEECH | | | | | | | | | | |
| 6560 | Professional Communications | 9 – 12 | X | X | 13009900 | PROFCOMM | NA | 1 | .5 | |
| JOURNALISM | | | | | | | | | | |
| 1903 | Journalism I – Digital Yearbook | 9 | X | | 03230100 | Jrnlsm | Not applicabl e | 1 | 1 | |
| 1913 | Advanced Journalism I – Yearbook | 10 – 12 | | X | 03230110 | Ybk1 | | 3 | 1 | X |
| 1923 | Advanced Journalism II – Yearbook | 11 – 12 | | X | 03230120 | Ybk2 | | 3 | 1 | X |
| 1936 | Advanced Journalism III – Yearbook | 12 | | X | 03230130 | Ybk3 | | 3 | 1 | X |

STAAR EOC required for graduation Meets the Requirement for an "Additional English"

ENGLISH LANGUAGE ARTS

Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines.

| ENGLISH I Honors EOC | 1033 | Grade Placement: 9 | 1 Credit |
|-----------------------------|-------------|---------------------------|-----------------|
|-----------------------------|-------------|---------------------------|-----------------|

Prerequisite: English 8th grade

Honors English I courses lay the foundational strategies and skills that help prepare students for the challenge and rigor of Honors English II. The course is reading and writing intensive with literary term vocabulary as a cornerstone.

Course readings are fiction, nonfiction, poetry, and drama with close reading strategies being introduced and emphasized. Students are expected to write in all modes with a focus on the foundations of style analysis. In addition, students are introduced to the basic skills for constructing, analyzing, and synthesizing arguments as a preliminary step for the essay tasks of Honors English II. These skills include the component of visual literacy and are central to the state STAAR / End-of-Course test as well as AP courses. Honors English courses are designed to prepare students with the skills, strategies, services, and habits of mind that will help lead to their success in AP Language and Composition (Grade 11) and AP Literature and Composition (Grade 12). This course requires summer reading and a summer assignment. **STAAR EOC required for graduation. Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.**

| ENGLISH II Honors EOC | 1133 | Grade Placement: 10 | 1 Credit |
|------------------------------|-------------|----------------------------|-----------------|
|------------------------------|-------------|----------------------------|-----------------|

The Honors English II course is designed to offer students the strategies, skills, and services to prepare students for the challenge and rigor of the AP Language and Composition course in the 11th grade and the AP Literature and Composition course in the 12th grade. The course is reading intensive in works of fiction and non-fiction. Students will read selections from American as well as World Literature to include poetry. Course emphasis is on close reading skills as well as writing strategy. Students are expected to write in all modes with a focus on style analysis, rhetorical analysis, and argumentative compositions. Introductory research, synthesis, and visual literacy skills are an integral part of the Honors English II curriculum.

STAAR EOC required for graduation. Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.

| ENGLISH III Honors | 1213 | Grade Placement: 11 | 1 Credit |
|---------------------------|-------------|----------------------------|-----------------|
|---------------------------|-------------|----------------------------|-----------------|

The English Language Arts and Reading Texas Essential Knowledge and Skills (TEKS) are organized into the following strands: Reading, Writing, Research, Listening and Speaking, and Oral and Written Conventions. The standards are cumulative--students will continue to address earlier standards as needed while they attend to standards for their grade. Students will increase and refine their communication skills as well as plan, draft, and edit compositions for clarity, appropriate language, and error-free essays. All forms of writing are emphasized. Readings will focus on American literature; however, students will read from a variety of literature to study literary terms, historical references, and relevance to society. This college bound course requires students to extend their studies in visual texts and literature, both fiction and non-fiction. This course includes research, SAT prep, and state assessment prep, helps to ensure students are college-ready upon exiting high school.

| ENGLISH III Advanced Placement (AP) LANGUAGE & COMPOSITION | 1233 | Grade Placement: 11 | 1 Credit |
|---------------------------------------------------------------------------|-------------|----------------------------|-----------------|
|---------------------------------------------------------------------------|-------------|----------------------------|-----------------|

ENGLISH LANGUAGE ARTS

The AP Language and Composition course is equivalent to the introductory year of college composition. The course helps students become skilled readers of prose written in a variety of disciplines and rhetorical contexts. The primary purpose of the course is to help students become skilled writers who leave the course with the ability to write, analyze, and synthesize arguments. The overarching goal of the course is to enable students to write effectively and confidently in their high school and college course work across the curriculum. The course expectation is that students will become critical readers, writers, and thinkers from a local, national, and global standpoint. An integral part of the course is the development of research skills that enable students to evaluate, use and cite source materials. In addition, the course emphasizes visual literacy skills. Here, students learn to deconstruct photographs, political cartoons, graphs, charts, and film as texts. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html. *This class may require a summer reading/assignment.* **Additional English**

| | | | |
|---------------------------------------------------------|-------------|----------------------------|-----------------|
| ENGLISH III Dual Credit Composition and Rhetoric | 1223 | Grade Placement: 11 | 1 Credit |
|---------------------------------------------------------|-------------|----------------------------|-----------------|

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines.

This course melds the requirements of the English III high school curriculum with the college coursework for English Language and Composition I and II. The first semester of the class is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. There will be an emphasis on effective rhetorical choices including audience, purpose, arrangement, and style. Writing the academic essay will serve as a vehicle for learning, communicating, and critical analysis. The second semester is an intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. There will be an emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of texts; systematic evaluation, synthesis and documentation of sources. Second semester also includes a survey of American Literature. Students should be self-directed, academically mature, and prepared for rigorous reading and writing assignments. Students taking Dual Credit courses may be required to purchase college textbook(s) selected by college faculty. Teacher will provide information in course syllabus the first day of school.

Additional English

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|-------------------|-------------|----------------------------|-----------------|
| ENGLISH IV | 1313 | Grade Placement: 12 | 1 Credit |
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This course is designed to prepare seniors for all post-high school opportunities. Upon completion of this course, students will be prepared to enter any secondary education program, the military, and/or the work force with the skills necessary to succeed. This course focuses on British literature from the Anglo Saxon period to the present and concentrates heavily on reading, writing, and critical thinking skills with an emphasis on real life application.

Additional English

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|----------------------------------------------------------------------------|-------------|----------------------------|-----------------|
| ENGLISH IV Advanced Placement (AP) LITERATURE & COMPOSITION | 1343 | Grade Placement: 12 | 1 Credit |
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Literature and Composition is generally considered to be the university equivalent to an introductory literary analysis course. It is a rigorous course intended to prepare students for college level English. Students will be expected to have a sense of academic maturity and should be prepared for intensive literary style analysis to include reading, writing and discussion on a daily basis. While not a prerequisite, it is highly recommended that students have taken the Advanced Placement: Language and Composition course. For a more complete description, please visit the College Board website: apcentral.collegeboard.com/apc/public/courses/descriptions/index.html *This class may require a summer reading assignment.* **Additional English**

ENGLISH LANGUAGE ARTS

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|----------------------------------------------------------------------------|-------------|----------------------------|-----------------|
| English IV Dual Credit Composition and Rhetoric/Intro to Literature | 1323 | Grade Placement: 12 | 1 Credit |
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Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines.

This course melds the requirements of the English IV high school curriculum with the college coursework for English Language and Composition I and II. The first semester of the class is an intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. There will be an emphasis on effective rhetorical choices including audience, purpose, arrangement, and style. Writing the academic essay will serve as a vehicle for learning, communicating, and critical analysis. The second semester is an intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. There will be an emphasis on effective and ethical rhetorical inquiry, including primary and secondary research methods; critical reading of texts; systematic evaluation, synthesis and documentation of sources. The second semester also includes a survey of British Literature. Students should be self-directed, academically mature, and prepared for rigorous reading and writing assignments. Students taking Dual Credit courses may be required to purchase college textbook(s) selected by college faculty. Teacher will provide information in course syllabus the first day of school. **Additional English**

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|------------------------------------------------------------|-------------|----------------------------|-----------------|
| ENGLISH IV Dual Credit Survey of British Literature | 1333 | Grade Placement: 12 | 1 Credit |
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Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines.

Prerequisite: Successful completion of Dual Credit English III – 1223.

This course is a survey of the development of British literature from the Anglo-Saxon period thru the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. This course fulfills the Language, Philosophy, and Culture foundational component area and the Component Area Option of the core, and addresses the following required objectives: Critical Thinking, Communication, Social Responsibility, and Personal Responsibility. Students taking Dual Credit courses may be required to purchase college textbook(s) selected by college faculty. Teacher will provide information in course syllabus the first day of school.

Additional English

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| College Preparatory ELA | 1325 | Grade Placement: 12 | Pass Credit |
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Prerequisite: English III

This course is designed for seniors who do not meet college readiness standards as defined by HB5 by the spring semester of their junior year and will be taught in conjunction with English IV 1313. Students will improve integrated critical reading and writing skills through engagement with a variety of texts across content areas and genres. As a result, students will be able to develop and express ideas clearly and effectively to communicate with various audiences for various purposes and occasions. **Students earning a 75 or higher in the course are considered college ready at Alamo Colleges, UTSA, and Texas A&M San Antonio.**

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| PRACTICAL WRITING SKILLS | 1380 | Grade Placement: 9-11 | .5 - 1 Credit |
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This course emphasizes skill in the use of conventions and mechanics of written English, the appropriate and effective application of English grammar, the reading comprehension of informational text, and the effective use of vocabulary. Students are expected to understand the recursive nature of reading and writing. Evaluation of students' own writing as well as the writing of others ensures that students completing this course are able to analyze and evaluate their writing. This course will be used for English I and English II EOC remediation.

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| RESEARCH AND TECHNICAL WRITING SKILLS | 1390 | Grade Placement: 10-12 | .5 - 1 Credit |
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ENGLISH LANGUAGE ARTS

All students are expected to demonstrate an understanding of the recursive nature of the writing process, effectively applying the conventions of usage and the mechanics of written English. The students' evaluation of their own writing as well as the writing of others ensures that students completing this course are able to analyze and discuss published and unpublished pieces of writing, develop and apply criteria for effective writing, and set their own goals as writers. This course will be used for English I and English II EOC remediation.

| ESOL I | 1063 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: LPAC Recommendation, Oral and Written Examinations

Corequisite: English Language Development and Acquisition (ELDA I)The ESOL I course is based on the ESOL I Texas Essential Knowledge and Skills (TEKS) and embodies the interconnected nature of listening, speaking, reading, writing, and thinking through the seven integrated strands of developing and sustaining foundational language skills; comprehension; response; multiple genres; author's purpose and craft; composition; and inquiry and research. The strands focus on academic oracy (proficiency in oral expression and comprehension), authentic reading, and reflective writing.. They are integrated and progressive with students continuing to develop knowledge and skills with increased complexity and nuance in order to think critically and adapt to the ever-evolving nature of language and literacy. ESOL I may be substituted for English I as provided by Chapter 74, Subchapter B, of this title (relating to Graduation Requirements). The ESOL I TEKS are aligned to English I TEKS, however, this course recognizes the critical processes and features of second language acquisition and provides appropriate instruction to enable students to meet these standards.

| ESOL II | 1063 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: LPAC Recommendation, Oral and Written Examinations

Corequisite: English Language Development and Acquisition (ELDA I or II)

The ESOL II course is based on the ESOL II Texas Essential Knowledge and Skills (TEKS) and embodies the interconnected nature of listening, speaking, reading, writing, and thinking through the seven integrated strands of developing and sustaining foundational language skills; comprehension; response; multiple genres; author's purpose and craft; composition; and inquiry and research. The strands focus on academic oracy (proficiency in oral expression and comprehension), authentic reading, and reflective writing.. They are integrated and progressive with students continuing to develop knowledge and skills with increased complexity and nuance in order to think critically and adapt to the ever-evolving nature of language and literacy. ESOL II may be substituted for English II as provided by Chapter 74, Subchapter B, of this title (relating to Graduation Requirements). The ESOL II TEKS are aligned to English II TEKS, however, this course recognizes the critical processes and features of second language acquisition and provides appropriate instruction to enable students to meet these standards.

| ENGLISH LANGUAGE DEVELOPMENT AND ACQUISITION | 1090 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: LPAC Recommendation, Oral and Written Examinations

Corequisite: English I for Speakers of Other Languages (ESOL I) and English II for Speakers of Other Languages (ESOL II). Students may take this course with a different corequisite for a **maximum of two credits**.English Language Development and Acquisition (ELDA) is designed to provide instructional opportunities for secondary recent immigrant students with little or no English proficiency. These students have scored at the negligible/very limited academic language level of the state-approved English oral language proficiency tests. This course enables students to become increasingly more proficient in English in all four language domains. It addresses cognitive, linguistic, and affective needs. The English Language Development and Acquisition (ELDA) course will validate a student's native language and culture as a valuable resource and as a foundation to attain the English language. It will develop social language, survival vocabulary, and the basic building blocks of literacy for newly arrived and preliterate students.

ENGLISH LANGUAGE ARTS

Through comprehensible input, students have access to curriculum that accelerates second language acquisition. Students are challenged to apply higher-order thinking skills in all four language domains.

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| READING I | 1206 | Grade Placement: 9-12 | .5-1 Credit |
| READING II | 1207 | | |

Prerequisite: State assessment data

Placement in this course is based on performance on the eighth grade state assessment. It will offer instruction on word recognition, word study, fluency, and techniques for reading to learn from a text. Students will have opportunities to read critically, evaluate sources, and draw and support conclusions. They will respond to a variety of texts through varying forms including the use of technology. Test-taking strategies will be included. Instruction will be based on data analysis and be individualized for each individual student.

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| READING III | 1208 | Grade Placement: 10-12 | .5-1 Credit |
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Prerequisite: Special circumstances (see counselor)

Placement in this course is based on performance on the eighth grade state assessment. It will offer instruction on word recognition, word study, fluency, and techniques for reading to learn from a text. Students will have opportunities to read critically, evaluate sources, and draw and support conclusions. They will respond to a variety of texts through varying forms including the use of technology. Test-taking strategies will be included. Instruction will be based on data analysis and be individualized for each individual student.

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| ENGLISH II Modified | 8013 | Grade Placement: 10 | 1 Credit |
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Requirement: ARD approval

This course focuses on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing. Students will continue to read extensively in multiple genres of literature. Basic English II includes the continuing development of study skills, strategies, and the use of critical thinking skills.

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| ENGLISH III Modified | 8043 | Grade Placement: 11 | 1 Credit |
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Requirement: ARD approval

Students plan, draft, and complete written compositions with an emphasis on business forms on a regular basis. A survey of literature provides the source for critical thinking and literary essays. Students will present and critique oral communications and multimedia products.

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| ENGLISH IV Modified | 8083 | Grade Placement: 12 | 1 Credit |
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Requirement: ARD approval

This course focuses on integrated language arts study in language/writing, literature/reading, speaking/listening, and viewing/representing, and involves the reading of a wide variety of literature. Students present and critique oral communications that include visuals and various media. Students plan, draft, and complete written compositions in a variety of forms; including, business, personal, literary and persuasive texts.

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| APPLIED LANGUAGE ARTS I – IV | 8443 – 8483 | Grade Placement: 9-12 | 1–4 Credits |
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Requirement: ARD approval

This course focuses on functional oral and written communication skills and functional reading and writing skills in daily living in the home, community, and on-the-job.

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| PROFESSIONAL COMMUNICATIONS | 6560 | Grade Placement: 9-12 | .5 Credit |
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ENGLISH LANGUAGE ARTS

Prerequisite: none

This course meets the .5 credit speech requirement for graduation. Students will examine the communication process, interpersonal communication, group communication, and public speaking. Students will identify, analyze, develop and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

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| JOURNALISM I – Digital Yearbook | 1903 | Grade Placement 9-12 | 1 Credit |
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Prerequisite: none.

This course provides a survey of the field of journalism. It begins with the history of journalism in the U.S., examines the role and the responsibility of media, explores newspaper structure and function, and examines methods of news gathering and reporting. Fundamental skills of journalism will be stressed: writing news, features and editorials, developing interviewing skills, and learning page layout. This course also includes a brief introduction to yearbook production, public relations, advertising fundamentals and photojournalism. Students will be assisting in aspects of creating the freshmen digital yearbook.

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| ADVANCED JOURNALISM I – Yearbook | 1913 | Grade Placement 10-12 | |
| ADVANCED JOURNALISM II – Yearbook | 1923 | Grade Placement 11-12 | 1 Credit |
| ADVANCED JOURNALISM III - Yearbook | 1936 | Grade Placement 12 | |

Prerequisite: Teacher Approval

Students must have teacher approval for admittance into Yearbook. This course gives students the opportunity to plan, design and construct The Unicorn yearbook. Skills germane to yearbook production include planning, using graphic art, journalistic writing, photography, and photo cropping, layout design, advertising, marketing, and group dynamics. Students must be willing to work after school and during the summer.

MATHEMATICS

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------------------------|---------|--------------------|----|--------------|--------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 3113 | Algebra I Honors EOC | 9 | X | | 03100500 | Alg 1 | 7 | 1 | 1 | |
| 3184 | Geometry Honors | 9 - 12 | X | X | 03100700 | Geom | 7 | 2 | 1 | X |
| 3136 | Algebraic Reasoning | 9 - 12 | X | X | 03102540 | AlgRea | 6 | 1 | 1 | X |
| 3234 | Algebra II Honors | 10 - 12 | | X | 03100600 | Alg 2 | 7 | 3 | 1 | X |
| 3152 | College Algebra | 11 - 12 | | X | 03102500 | InStuMth | 6 | 3 | 1 | X |
| 3151 | College Algebra Prep (1 st Semester) | 11 - 12 | | X | 03102500 | InStuMth | 6 | 3 | .5 | X |
| 3160 | College Algebra Dual Credit (2 nd Semester) | 11 - 12 | | X | 03102500 | InStuMth D | 8 | 4 | .5 | X |
| 3161 | College Algebra Dual Credit (1 st Semester) | 11 - 12 | | X | 03102500 | InStuMth D | 8 | 4 | 1 | X |
| 3363 | PreCalculus Dual Credit (2 nd Semester) | 11 - 12 | | X | 03101100 | Precalc | 8 | 4 | 1 | X |
| 3155 | College Preparatory Math | 12 | | X | CP111200 | CPMAT | 6 | 2 | 1 | X |
| 3343 | PreCalculus | 11 - 12 | | X | 03101100 | Precalc | 6 | 3 | 1 | X |
| 3353 | PreCalculus Honors | 11 - 12 | | X | 03101100 | Precalc | 7 | 3 | 1 | X |
| 3383 | Calculus AB AP | 11 - 12 | | X | A3100101 | APCalcAB | 8 | 4 | 1 | X |
| 3393 | Calculus BC AP | 11 - 12 | | X | A3100102 | APCalcBC | 8 | 4 | 1 | X |
| 3403 | Statistics AP | 11 - 12 | | X | A3100200 | APStats | 8 | 4 | 1 | X |
| 3405 | OnRamps Statistics | 11 - 12 | | X | IHE11100 | IHEMTH | 8 | 4 | 1 | X |
| 5103 | Statistics and Business Decision Making | 11 - 12 | | X | 13016900 | StatsBDM | 6 | 3 | 1 | X |
| 5123 | Accounting II | 11-12 | | X | 13016700 | Account2 | 6 | 3 | 1 | X |
| 5613 | Robotics II | 10-12 | | X | 13037050 | Robotic2 | 6 | 3 | 1 | X |
| 8153 | Geometry Modified | 10 | | X | 03100705 | Geom | 5 | 1 | 1 | X |
| 8173 | Algebra II Modified | 11 - 12 | | X | 03100605 | Alg 2 | 5 | 1 | 1 | X |
| 8203-8649 | Applied and Adaptive Math I - IV | 9 - 12 | | X | ARD Decision | ARD Decision | 4 | NA | 1 - 4 | X |

STAAR EOC required for graduation **Meets the Requirement for an "Additional Mathematics"**

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines

Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.

MATHEMATICS

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| ALGEBRA I Honors EOC | 3113 | Grade Placement: 9 | 1 Credit |
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Algebra I will expand students' understanding of number, operation, and quantitative reasoning; patterns, relationships, and algebraic thinking; geometry; measurement; and probability and statistics. Students reason with expressions, equations, inequalities, and functions to model and solve problems in linear settings and to investigate nonlinear settings (exponential and quadratic) in order to further their understanding of linear and nonlinear settings. Special emphasis is placed on problem solving and application of skills and concepts. Students will also be instructed in the use of the graphing calculator. **STAAR EOC required for graduation. Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.**

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| GEOMETRY Honors | 3184 | Grade Placement: 9-12 | 1 Credit |
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Recommended Prerequisite: Algebra I

Students analyze geometric relationships to make and verify conjectures. Students read critically and develop reasoning skills as well as algebra skills developed in Algebra I. Students learn geometry terms, coordinate geometry, transformations, logic and reasoning, parallel lines, polygons, similarity and congruence, right triangles and the trigonometric ratios, circles, perimeter, area and volume.

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| ALGEBRAIC REASONING | 3136 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: Algebra I

Students use a variety of approaches to solve both routine and non-routine problems. Students use graphical, numerical, and analytical techniques to collect and analyze data patterns, probability models, and functional relationships so they can make decisions about real-world situations. Students will also focus on Math skills to prepare them for the Texas Success Initiative exam that denotes College Readiness. Students will take this exam at the end of the course. Preparation for Algebra II is an integral element of Algebraic Reasoning. **Additional Mathematics**

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| ALGEBRA II Honors | 3234 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Algebra I

Students master the same analytic topics as those in Algebra II but at a faster pace and in greater depth. Students extend their problem solving techniques and higher order thinking skills. In addition, students will develop an understanding of higher degree functions and complex numbers, sequences and series, mathematical history and probability through extensive use of technology, and traditional methods. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours.

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| COLLEGE ALGEBRA | 3152 | Grade Placement: 11 – 12 | 1 Credit |
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Prerequisite: Algebra I, Geometry, Algebra II

This course includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. **Additional Mathematics**

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| COLLEGE ALGEBRA PREP 1ST SEMESTER | 3151 | Grade Placement: 11-12 | .5 Credit |
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| COLLEGE ALGEBRA DUAL CREDIT 2ND SEMESTER | 3160 | Grade Placement: 11-12 | .5 Credit |
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Prerequisite: Algebra I, Geometry, Algebra II

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines.

MATHEMATICS

This course includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. As a dual credit course, students are expected to be highly motivated to work during and after class hours. **Additional Mathematics**

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| COLLEGE ALGEBRA DUAL CREDIT 1ST SEMESTER | 3160 | Grade Placement: 11 – 12 | 1 Credit |
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| PRECALCULUS DUAL CREDIT 2ND SEMESTER | 3363 | Grade Placement 11 – 12 | 1 Credit |
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Prerequisite: Algebra I, Geometry, Algebra II

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines.

The 1st semester course includes the study of quadratics; polynomial, rational, logarithmic, and exponential functions; systems of equations; progressions; sequences and series; and matrices and determinants. The 2nd semester course applies algebra and trigonometry to the study of polynomial, rational, exponential, logarithmic, and trigonometric functions and their graphs. Also included are conic sections; circular and trigonometric functions; inverse circular functions, identities, conditional equations, graphs, solution of triangles, polar coordinates, complex numbers, and vectors; and mathematical induction. As a dual credit course, students are expected to be highly motivated to work during and after class hours. **Additional Mathematics**

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| COLLEGE PREPARATORY MATH | 3155 | Grade Placement: 12 | 1 Credit |
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Prerequisite: Algebra I, Geometry, Algebra II/Satisfactory Performance on Algebra I STAAR EOC

This course is for seniors who do not meet college readiness standards as defined by HB5 by the spring semester of their junior year. In this college-preparatory course students will be prepared for entry-level college mathematics and will include the study of real numbers, basic geometry, polynomials, factoring, linear equations, inequalities, quadratic equations, rational expressions, factoring techniques, radicals, algebraic fractions, complex numbers, graphing linear equations and inequalities, quadratic equations, systems of equations, graphing quadratic equations and an introduction to functions. Emphasis is placed on algebraic techniques, in order to successfully complete an entry-level college mathematics course. Calculator use is allowed in this course when indicated, including the departmental semester examination. **Additional Mathematics**

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| PRECALCULUS | 3343 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Algebra I, Geometry, Algebra II

Students continue their exploration of topics covered in Algebra II as well as trigonometry, parametric equations, and vectors in two-dimensional space. Students use graphing calculator technology extensively. All students planning to attend college and/or major in any branch of science, engineering, medicine, business or other technical fields should take this course before graduation. **Additional Mathematics**

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| PRECALCULUS Honors | 3353 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Algebra II and Geometry

Students master the same analytic topics as those in Pre-Calculus. This course is recommended for those students who plan to take AP Calculus and who plan to pursue a career in math or science. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. **Additional Mathematics**

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| CALCULUS AB Advanced Placement (AP) | 3383 | Grade Placement: 11-12 | 1 Credit |
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Recommended Prerequisite: Pre-Calculus

Students explore differential and integral calculus. They study the relationship between functions, graphs and limits, derivatives and their application as well as integrals and their application leading to an understanding of the Fundamental Theorem and basic techniques of anti-differentiation. This course is equivalent to the first semester of

MATHEMATICS

college calculus. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html. *This course may require a summer assignment.* **Additional Mathematics**

| CALCULUS BC Advanced Placement (AP) | 3393 | Grade Placement: 11-12 | 1 Credit |
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Recommended Prerequisite: Pre-Calculus (Highly recommend that student conference with Pre-Cal teacher/counselor on placement in this advanced math class)

Calculus BC AP is offered as a one-year alternative to AP Calculus AB for well-prepared, motivated students, or as the course after Calculus AB AP course. Calculus BC is a more extensive and demanding study of Calculus than Calculus AB. Students study all topics covered in AB (limits, differentiation, integration), in addition to advanced integration techniques, sequences and series, and parametric, vector, and polar equations. The course will emphasize different ways to approach calculus: graphically, numerically, algebraically, and verbally. Proficiency using graphing calculators is expected. Students taking BC calculus are expected to take the AP exam. Most colleges and universities will grant two semester's credit for a score of 3 or better on the AP Calculus BC test. About 40% of the BC test involves BC topics only. A separate AB sub score will also be provided. For a more complete description of this or any Advanced Placement course, please visit the College Board website at

apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

This course may require a summer assignment. **Additional Mathematics**

| STATISTICS Advanced Placement (AP) | 3403 | Grade Placement: 11-12 | 1 Credit |
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Recommended Prerequisite: Algebra II and Geometry

The course introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students explore four broad themes: exploring data by observing patterns and departures from patterns, planning a study by deciding what and how to measure real-life data, anticipating patterns by producing models using probability and simulation, and statistical inference through confirming their models. AP Statistics is an excellent option for any student who plans to go to college. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at

apcentral.collegeboard.com/apc/public/courses/descriptions/index.html. **Additional Mathematics**

| OnRamps Statistics | 3405 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Algebra I Recommended: Geometry and Algebra II

This course is designed to help you learn the basics of data analysis, including the descriptive and inferential statistical procedures that are commonly used in basic statistical research. You will learn techniques for graphing and describing data; explore common function patterns including linear, logarithmic, exponential and logistic functions; be introduced to correlation and linear regression; learn the basic principles of hypothesis testing and the inferences that can be drawn from them; and develop skills necessary for evaluating the conditional probability of events. Students will be enrolled in both the high school course and distance college course and will have the opportunity to accept or decline the college credit if he/she meets the required grade. This course satisfies the core mathematics requirement at The University of Texas at Austin (Texas core code 020) and is guaranteed to transfer and apply to any undergraduate degree at all other public colleges and universities in Texas. **Tuition fee not to exceed \$150 will be collected at the beginning of the school year.** **Additional Mathematics.**

| STATISTICS AND BUSINESS DECISION MAKING | 5103 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Algebra II

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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 are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. **This course satisfies a high school mathematics graduation requirement.**

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| ROBOTICS II | 5613 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Robotics I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. Students are encouraged to participate in extended learning experiences such as CTE organizations and other leadership or extracurricular organizations. Consult counselor on if this course can be considered an additional mathematics course with your endorsement.

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| ACCOUNTING II | 5123 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision-making. Consult counselor on if this course can be considered an additional mathematics course with your endorsement.

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| GEOMETRY Modified | 8153 | Grade Placement: 10-12 | 1 Credit |
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Requirement: ARD approval

Basic Geometry, based on the TEKS of the general education Geometry course, is modified to meet the individual learning requirements of students. This course places an emphasis on real world applications. The student will explore the properties and relationships having to do with size, shape, directions, and orientation of dimensional geometric structures and patterns. The student will demonstrate a basic understanding of geometric relationships and spatial reasoning. The student extends measurement concepts to find area, perimeter, and volume in problem situations. Activity-based instruction will focus on the development of geometric concepts and skills using manipulatives, construction, explorations, patterns and concrete models, cooperative group projects, and technology-assisted instruction.

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| ALGEBRA II Modified | 8173 | Grade Placement: 11-12 | 1 Credit |
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Requirement: ARD approval

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| APPLIED MATH I – IV | 8203 - | Grade Placement: 9 - 12 | 1-4 Credits |
| ADAPTIVE MATH I-IV | 8649 | | |

Requirement: ARD approval

SCIENCE

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------------------------------|---------|--------------------|----|--------------|--------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 3623 | Biology I Honors EOC | 9 | X | | 03010200 | Bio | 7 | 2 | 1 | |
| 3622 3624 | Biology I | 10 – 12 | | X | 03010200 | Bio | 6 | 1 | 1 | X |
| 3633 | Biology AP | 11 – 12 | | X | A3010200 | AP Bio | 8 | 4 | 1 | X |
| 3506 | Integrated Physics and Chemistry | 10 – 12 | X | X | 03060201 | IPC | 6 | 1 | 1 | |
| 3723 | Chemistry I Honors | 10 - 11 | | X | 03040000 | Chem | 7 | 2 | 1 | X |
| 3743 | Chemistry AP | 11 – 12 | | X | A3040000 | APChem | 8 | 4 | 1 | X |
| 3663 | Environmental Systems | 11 – 12 | | X | 03020000 | EnvirSys | 6 | 3 | 1 | X |
| 3643 | Environmental Science AP | 11 – 12 | | X | A3020000 | APEnvir | 8 | 4 | 1 | X |
| 3644 | Environmental Science Dual Credit (1 st Semester) | 11 – 12 | | X | 30200000 | EnvirSys | 8 | 4 | .5 | X |
| 3643 | Environmental Science AP (2 nd Semester) | 11-12 | | X | A3020000 | AP-Envir | 8 | 4 | .5 | X |
| 3673 | Anatomy and Physiology | 10 – 12 | | X | 13020600 | AnatPhys | 6 | 3 | 1 | X |
| 6112 | Pathophysiology | 11 – 12 | | X | 13020800 | Patho | 6 | 3 | 1 | X |
| 6115 | Medical Microbiology | 10 – 12 | | X | 13020700 | Micro | 6 | 3 | 1 | X |
| 3553 | Physics I Honors | 10 - 12 | | X | 03050000 | Physics | 7 | 3 | 1 | X |
| 3555 | OnRamps Physics 1 | 11 – 12 | | X | IHE11200 | IHESCI | 8 | 4 | 1 | X |
| 3653 | Astronomy | 11 – 12 | | X | 03060100 | Astrmy | 6 | 2 | 1 | X |
| 3703 | Aquatic Science | 11 – 12 | | X | 03030000 | AquaSci | 6 | 2 | 1 | X |
| 6530 | Advanced Animal Science | 11 - 12 | | X | 13000700 | AdvanSci | 6 | 2 | 1 | X |
| 6165 | Forensic Science | 11 – 12 | | X | 13029500 | ForenSci | 6 | 2 | 1 | X |
| 6650 | Advanced Plant and Soil Science | 11 – 12 | | X | 13002100 | AdvPSSci | 6 | 1 | 1 | X |
| 5615 | Engineering Design and Problem Solving | 11 -12 | | X | 13037300 | ENG DPRS | 6 | 4 | 1 | X |
| 8301 – 8333 | Applied and Adaptive Sciences I – IV | 9 – 12 | | X | ARD Decision | ARD Decision | 4 | NA | 1 | X |

STAAR EOC required for graduation Meets the Requirement for an “Additional Science”

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines

Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.

SCIENCE

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| BIOLOGY I Honors EOC | 3623 | Grade Placement: 9 | 1 Credit |
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Prerequisite: none

In Biology I, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. **STAAR EOC required for graduation.** Students who have completed STAAR EOC assessments while in middle school must take either the ACT or SAT once in high school to fulfill federal testing requirements.

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| BIOLOGY Advanced Placement (AP) | 3633 | Grade Placement: 11-12 | 1 Credit |
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Recommended Prerequisite: Biology and Chemistry I

Biology AP is a course designed to challenge students with a strong aptitude and achievement level in science. It is specifically designed and taught as a college level course. The student may take the official AP exam upon completion of the course or, if offered as a dual credit, may receive college credit. The course consists of basic biological principles as well as the specialized areas of cytology, biochemistry, developmental biology, genetics, and ecology with strong emphasis on genetic engineering, gene manipulation, and recombinant DNA. Relationships and application of concepts within and among the various sciences are explored. There are twelve labs designed and required by The College Board, which represent select studies of specified topics in Biology. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html. **Additional Science**

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| INTEGRATED PHYSICS & CHEMISTRY (IPC) | 3506 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: none

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry.

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| CHEMISTRY I Honors | 3723 | Grade Placement: 10-11 | 1 Credit |
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Prerequisite: 1 unit HS science, Algebra I, and completion or concurrent enrollment in 2nd year HS math

This course supports the College Board curriculum and standards. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. In Chemistry, students conduct field and laboratory investigations use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: characteristics of matter; energy transformations during physical and chemical changes; atomic structure; periodic table of elements; behavior of gases; bonding; nuclear fusion and nuclear fission; oxidation-reduction reactions; chemical equations; solutes; properties of solutions; acids and bases; and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives. Concurrent enrollment in Algebra II is strongly recommended.

Additional Science

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| CHEMISTRY Advanced Placement (AP) | 3743 | Grade Placement: 11-12 | 1 Credit |
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Recommended Prerequisite: completion of Algebra II or higher, Chemistry I.

SCIENCE

This course is designed as a college course in first year chemistry, with a lab intensive emphasis. The fundamental principles of inorganic chemistry are explored in advanced detail, including: problem solving, atomic theory, Lewis bonding and molecular orbital, states of matter, solutions, stoichiometry, predicting complex chemical reactions, and basic redox. Small amounts of organic and nuclear chemistry are covered as well. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any AP course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html. **Additional Science**

| ENVIRONMENTAL SYSTEMS | 3663 | Grade Placement: 11-12 | 1 Credit |
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| Recommended Prerequisite: One unit of high school life science and one unit of high school life science | | | |
| Students will complete class work and conduct laboratory and fieldwork using scientific methods, critical thinking, decision-making and problem solving techniques to study processes and topics that include: interactions of biotic and abiotic factors in the ecosystems; conservation; natural resources and cycles; energy sources and energy flow in ecosystems; the major terrestrial, aquatic, and marine ecosystems and their typical plant and animal life forms (including those common locally and regionally); water, air, soil pollution; pest control; human responsibilities and population dynamics. The course is interdisciplinary in which students relate and apply principles and skills from the physical, earth and biological sciences along with certain concepts from social studies to understand environmental problems. Additional Science | | | |

| ENVIRONMENTAL SCIENCE Advanced Placement (AP) | 3643 | Grade Placement: 11-12 | 1 Credit |
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| Recommended Prerequisite: Algebra I and two years high school lab science (one life and one physical science) | | | |
| This course follows the College Board curriculum and standard thought at a college level. Students will complete class work and conduct laboratory and fieldwork using scientific methods, critical thinking, decision-making and problem solving techniques to study processes and topics that include: interactions of biotic and abiotic factors in the ecosystems; conservation; natural resources and cycles; energy sources and energy flow in ecosystems; the major terrestrial, aquatic, and marine ecosystems and their typical plant and animal life forms (including those common locally and regionally); water, air, soil pollution; pest control; human responsibilities and population dynamics. The course is interdisciplinary in which students relate and apply principles and skills from the physical, earth and biological sciences along with certain concepts from social studies to understand environmental problems. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html . Additional Science | | | |

| ENVIRONMENTAL SCIENCE Dual Credit 1st Semester | 3643 | Grade Placement: 11-12 | .5 Credit |
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| ENVIRONMENTAL SCIENCE Advanced Placement (AP) 2nd Semester | 3644 | Grade Placement: 11-12 | .5 Credit |
| Recommended Prerequisite: Algebra I and two years high school lab science (one life and one physical science) | | | |
| Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines. Students will earn 4 college hours during 1st semester. This course follows the College Board curriculum and standard thought at a college level. Students will complete class work and conduct laboratory and fieldwork using scientific methods, critical thinking, decision-making and problem solving techniques to study processes and topics that include: interactions of biotic and abiotic factors in the ecosystems; conservation; natural resources and cycles; energy sources and energy flow in ecosystems; the major terrestrial, aquatic, and marine ecosystems and their typical plant and animal life forms (including those common locally and regionally); water, air, soil pollution; pest control; human responsibilities and population dynamics. The course is interdisciplinary in which students relate and apply principles and skills from the physical, earth and biological sciences along with certain concepts from social studies to understand environmental problems. Students are expected to be highly motivated to work during and after | | | |

SCIENCE

class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html **Additional Science**

ANATOMY & PHYSIOLOGY

3683

Grade Placement: 10-12

1 Credit

Prerequisite: Biology and second science. Recommended prerequisite: course from the Health Science Career Cluster

Anatomy and Physiology is designed to build a knowledge base for those students who wish to pursue a medically related career. Successful students will have a strong aptitude and performance record in science. It is taught on a college level and, if offered as a dual credit course, students will receive college credit. 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. **Additional Science**

PATHOPHYSIOLOGY

6112

Grade Placement: 11-12

1 Credit

Prerequisites: Biology and Chemistry. Recommended prerequisite: course from the Health Science Career Cluster Pathophysiology is the study of the disease process, the causes of diseases, and how the human body is affected. This course is designed to enhance knowledge and skills during the study of human systems. Emphasis is placed on prevention and treatment of diseases. Students will differentiate between normal and abnormal conditions of human systems. The course shall include at least 40 percent laboratory investigation and fieldwork, using appropriate scientific inquiry. **Additional Science**

MEDICAL MICROBIOLOGY

6115

Grade Placement 10-12

1 CREDIT

Prerequisites: Biology and Chemistry. Recommended prerequisite: course from the Health Science Career Cluster Medical Microbiology is designed to introduce students to the relationship of microorganisms to wellness and disease. Students develop knowledge and skills of disease prevention by learning the chain of infection. Concepts of asepsis and Universal Precautions will be emphasized in the course. Pathogenic and nonpathogenic organisms will be identified to assist in the understanding of specific diseases, causative agents, and appropriate treatments. The course shall include at least 40 percent laboratory investigation and fieldwork, using appropriate scientific inquiry. **Additional Science**

PHYSICS I Honors

3553

Grade Placement 10-12

1 Credit

Recommended Prerequisite: Algebra I Students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem-solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues and develop critical-thinking skills.

Additional Science

ONRAMPS PHYSICS 1

3555

Grade Placement: 11-12

1 Credit

Prerequisite Recommended: Algebra I and Geometry

Mechanics, heat and sound introduces big ideas in physics, such as Newtonian mechanics, which describes objects changing their state of motion because of forces causing them to accelerate. Taken together, the topics reinforce the general idea that the behavior of many objects in the world can be described precisely with simple

SCIENCE

mathematics. This is an algebra-based (non-calculus) course in mechanics that fulfills a general physics requirement. Proficiency in algebra and geometry is assumed. Students will practice problem-solving and analyzing physical situations involving motion, force, energy, rotations, heat, oscillations, waves and sound. They will explore concepts in small groups, develop ideas, and explain them. The course lays the groundwork for college majors including engineering, physics, chemistry, or mathematics. Students will experience high-quality curriculum designed by the faculty of UT Austin. Students can earn three hours of UT credit with feedback and assessment provided by the UT course staff. **Tuition fee not to exceed \$150 will be collected at the beginning of the school year.** **Additional Science**

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| AQUATIC SCIENCE | 3703 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Biology. Recommended Prerequisite: Chemistry or concurrent enrollment in Chemistry
In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; role of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed. **Additional Science**

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| ASTRONOMY | 3653 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: One unit of high school science
Astronomy explores the basic aspects of space science. Astronomy in civilization is considered, including ancient and modern contributions. Students become familiar with visible objects in the sky and learn our planet's place in space. Further studies include the role of the Moon and Sun and the reasons for the seasons. In addition, characteristics of the planets around the Sun, the life cycles of stars, and the variety and properties of galaxies are explored. Lastly, scientific theories of cosmology and the benefits of space exploration are addressed. **Additional Science**

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| ADVANCED ANIMAL SCIENCE | 6530 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Biology and Chemistry or IPC, Algebra I and Geometry, and either Small Animal Management, Equine Science or Livestock Production. To receive science credit students must meet the 40% laboratory and fieldwork.

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| ENGINEERING DESIGN AND PROBLEM SOLVING | 5615 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Algebra I, Geometry, two STEM Career Cluster credits
This course follows the Engineer Your World engineering curriculum written for students who want to engage in authentic engineering practices in a project-based learning (PBL) environment. Learning is scaffolded over a series of engaging and socially relevant explorations and design challenges. Students will apply critical thinking skills to justify a solution from multiple design options. The curriculum focuses on creating a 1) narrative of engineering, 2) building engineering design skills, 3) developing engineering habits of mind, and 4) introducing engineering fields and professions. Students will have the opportunity to participate in dual enrollment for this course. Students can dual enroll at UT Austin in ES 301 (Engineering Design and Problem Solving) or at UT San Antonio in EFT 1003 (Engineering Design and Problem Solving). (Course tuition fee will apply if a student wishes to pursue this option.) Students enrolled in either ES 301 or EGR 1003 will experience the difference between high school and college-level performance expectations for the same course. Dual enrollment provides a low-risk environment, as they will have the opportunity to accept or decline the college credit if he or she meets requirements.

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Additional Science

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| FORENSIC SCIENCE | 6165 | Grade Placement: 11-12 | 1 Credit |
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Prerequisites: Biology, Chemistry. Recommended Prerequisite: any Law, Public Safety, Correction, & Security career cluster courses

To receive credit in science, students must meet the 40% laboratory and fieldwork requirement

Forensic Science is a course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior.

Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. **Additional Science**

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| ADVANCED PLANT AND SOIL SCIENCE | 6650 | Grade Placement: 11-12 | 1 Credit |
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Recommended Prerequisites: Biology, IPC and Chemistry or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course. Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **Additional Science**

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| APPLIED and ADAPTIVE SCIENCE I – IV | 8303 – 8333 | Grade Placement: 9-12 | 1-4 Credits |
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Requirement: ARD approval

SOCIAL STUDIES

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
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| | | | NGC | HS | | | | | | |
| 2023 | World Geography Honors | 9 | X | | 03320100 | W Geo | 7 | 2 | 1 | |
| 2025 | Human Geography AP | 9 | X | | A3360100 | APHumGeoE | 8 | 3 | 1 | |
| 2123 | World History Honors | 10 - 12 | | X | 03340400 | Whist | 7 | 2 | 1 | X |
| 2143 | World History AP | 10 - 12 | | X | A3370100 | APWhist | 8 | 3 | 1 | X |
| 2153 | World History Dual Credit | 10 - 12 | | X | 03340400 | Whist | 8 | 3 | 1 | X |
| 2395 | European History AP | 11 - 12 | | X | A3340200 | APEuHist | 8 | 4 | 1 | |
| 2223 | US History Honors EOC | 10 - 11 | | X | 03340100 | USHist | 7 | 3 | 1 | X |
| 2233 | US History AP | 10 - 11 | | X | A3340100 | APUSHist | 8 | 4 | 1 | X |
| 2243 | US History Dual Credit | 10 - 11 | | X | 03340100 | US Hist | 8 | 4 | 1 | X |
| 2320 | US Government | 11 - 12 | | X | 03330100 | Govt | 6 | 3 | .5 | X |
| 2360 | US Government & Politics AP | 11 - 12 | | X | A3330100 | APUSGovt | 8 | 4 | .5 | X |
| 2350 | US Government & Politics Dual Credit | 11 - 12 | | X | 03330100 | Govt | 8 | 4 | .5 | X |
| 2330 | Economics | 11 - 12 | | X | 03310300 | Eco-FE | 6 | 3 | .5 | X |
| 2335 | Microeconomics AP | 11 - 12 | | X | A3310100 | APMicEco | 8 | 4 | .5 | X |
| 2400 | Sociology | 10 - 12 | | X | 03370100 | Soc | 6 | 3 | .5 | |
| 2440 | Psychology | 10 - 12 | | X | 03350100 | Psych | 6 | 3 | .5 | |
| 2450 | Psychology AP (Semester) | 12 | | X | A3350100 | APPsych | 8 | 4 | .5 | |
| 2410 | Psychology AP (Full Year Course) | 10 - 11 | | X | 03380001 | SSADV1 | 8 | 4 | .5 | |
| | | | | X | A3350100 | APPsych | 8 | 4 | .5 | |
| 2420 | Special Topics in Social Studies – Influences of the Old Testament Bible and other Religions on American Civilizations | 11 - 12 | | X | 03380002 | sptss | 6 | 3 | .5 | |
| 2430 | Special Topics in Social Studies – Influences of the New Testament Bible and other Religions on American Civilizations | 11 - 12 | | X | 03380022 | sptss2 | 6 | 3 | .5 | |
| 2000 | Personal Financial Literacy | 10-12 | | X | 03380082 | PFL | NA | 1 | .5 | X |
| 8353 – 8383 | Applied and Adaptive Social Studies I – IV | 9 – 12 | | X | ARD Decision | ARD Decision | 4 | NA | 1 – 4 | X |

STAAR EOC required for graduation

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines

SOCIAL STUDIES

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| WORLD GEOGRAPHY Honors | 2023 | Grade Placement: 9 | 1 Credit |
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Prerequisite: none

Students examine people, places, and environments at local, regional, national, and international scales from the spatial and ecological perspectives of geography. This course is designed to increase the students' understanding of geography by providing opportunities to identify, describe and compare the Earth's physical regions and analyze the relationship between the physical geography and cultural and settlement patterns, economic systems, and political divisions. The course will focus on developing skills in map making, analyzing patterns, discussing global issues, problem-solving, and decision-making to answer geographic questions through a combination of directed learning with individual and group projects. Students will develop note-taking, drawing conclusions, research and class discussion, asking and answering questions, and writing identifications of important terms and people.

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| HUMAN GEOGRAPHY Advanced Placement (AP) | 2025 | Grade Placement: 9 | 1 Credit |
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Prerequisite: none

The purpose of this rigorous Advanced Placement course in Human Geography is to introduce the students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will also be addressing all TEKS for the state's World Geography standards. While there is no official prerequisite, students are expected to be highly motivated and self-disciplined. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| WORLD HISTORY Honors | 2123 | Grade Placement: 10 - 12 | 1 Credit |
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Prerequisite: World Geography

World History is an overview of the history of humankind from the beginnings of civilization to the contemporary world. In this course, students will analyze important events and issues in western civilizations as well as civilizations in other parts of the world. Students will evaluate the causes and effects of important movements such as imperialism and political revolutions. Students will study the impact of geography on historical events, identify historical origins of modern economic systems, trace and analyze the development of important legal/political concepts, including the growth of democratic-republican governments, and analyze the connections between culture and major developments in science and technology. This course will also require the students to examine the history and impact of major religious and philosophical traditions.

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| WORLD HISTORY Advanced Placement (AP) | 2143 | Grade Placement: 10– 12 | 1 Credit |
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Prerequisite: World Geography Honors or teacher recommendation

This rigorous, college-level course develops greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Emphasis is on relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Periodization forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form

SOCIAL STUDIES

the core of world history as a field of study. All World History TEKS will be covered with an emphasis on Modern World History. Daily reading is required to achieve success in this course. *This course may require summer reading and / or a summer assignment.* For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| EUROPEAN HISTORY Advanced Placement (AP) | 2395 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: one social studies credit

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. This provides context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. Students will focus on principal themes in European history, analyze historical evidence and historical interpretation, and express historical understanding through writing. This course is writing intensive. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html

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| WORLD HISTORY DUAL CREDIT | 2153 | Grade Placement 10-12 | 1 Credit |
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Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines. A survey of the social, political, economic, cultural, religious, and intellectual history of the world from the emergence of human cultures through the present. The fall semester examines the emergence of early societies, the rise of civilizations, the development of political and legal systems, religion and philosophy, economic systems and trans-regional networks of exchange. The spring semester emphasizes maritime exploration and transoceanic empires, nation/state formation and industrialization, imperialism, global conflicts and resolutions, and global economic integration. The course emphasizes the development, interaction, and impact of global exchange. This is a dual credit course (HIST 2321 and HIST 2322) through San Antonio College and is writing intensive.

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| U.S. HISTORY Honors EOC | 2223 | Grade Placement: 10-11 | 1 Credit |
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Prerequisite: World Geography

This course provides the second half of U.S. history that began in 8th grade. Students study the history of the U.S. since Reconstruction (1877) to the present. Students also analyze the impact of geography, constitutional issues, the arts, and technological innovations on the history of the time period. Students use critical-thinking skills to explain and apply different methods that historians use to interpret the past, including points of view and historical context. Emphasis is placed on developing higher-level reading, writing and analysis skills. **STAAR EOC required for graduation.**

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| U.S. HISTORY Advanced Placement (AP) | 2233 | Grade Placement: 10-11 | 1 Credit |
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Prerequisite: World Geography

Advanced Placement US History provides a broad survey of US History from the Pre-Columbian era to the present. This advanced course is based upon topic outline provided by the College Board and focuses upon the cultural, political, economic and social issues related to US History. As this is meant to be a college level course, students must be highly motivated to read, write, and study about US History both during and after school hours. Daily reading is required to achieve success in this course. Students are required to complete a summer assignment. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html. *This course may require summer reading and / or a summer assignment.*

SOCIAL STUDIES

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| U.S. HISTORY Dual Credit | 2243 | Grade Placement: 10-11 | 1 Credit |
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Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines. An introduction to the history of North America from the time of European contact through the present. The fall semester is a survey of American history through the Civil War, emphasizing the European background, the colonial contribution, the American Revolution, the republican government, the growth of democracy, and the background and course of the Civil War. The spring semester will emphasize industrialization, immigration, the world wars, the Great Depression, and the Cold War era. Themes that will be addressed include American culture, religion, civil and human rights, technological change, economic change, the expansion of the federal government, and the study of U.S. foreign policy. This is a dual credit course (Hist 1301 and 1302) through San Antonio College and is writing intensive.

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| U.S. GOVERNMENT | 2320 | Grade Placement: 11-12 | .5 Credit |
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Prerequisite: US History

The focus of the course is on the U.S. Constitution, its underlying principles and ideas, and the form of government it created. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty and individual rights and compare the U.S. system of government with other political systems. This course will challenge students to appreciate patriotic values and how they interrelate with a free enterprise system and a democratic society. Emphasis will be placed on applying these concepts through journal writing, simulations, debates, group projects, and problem solving. This course fulfills the U.S. Government graduation requirement.

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| U.S. GOVERNMENT AND POLITICS Advanced Placement (AP) | 2360 | Grade Placement: 11-12 | .5 Credit |
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| U.S. GOVERNMENT AND POLITICS Dual Credit | 2350 | Grade Placement: 11-12 | .5 Credit |
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Prerequisite: US History / US History AP

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines. This is a rigorous, college level course. Instruction will focus on the content and skills necessary for success on the AP exam. This course is an introduction to the history and organization of the institutions and domestic policies of the US government. Emphasis is placed on developing an understanding of the principles underpinning American politics, how the major political institutions operate, what issues and policies have developed through history and who plays a role in the development and implementation of political policy. Students will be required to read numerous primary source documents in addition to the founding documents of the Declaration of Independence and the Constitution. For a more complete description of this course please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| ECONOMICS | 2330 | Grade Placement: 11-12 | .5 Credit |
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Prerequisite: US History

The focus is on the basic principles concerning production, consumption, and distribution of goods and services in the United States and a comparison with those in other countries around the world. Students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are discussed, as are basic concepts of consumer economics. The impact of a variety of factors including geography, the federal government, economic ideas from important philosophers and historic documents, societal values, and scientific discoveries and technological innovations on the national economy and economic policy is an integral part of this course. Students apply critical thinking skills to create economic models and to evaluate economic-activity patterns. The course components meet the requirements for personal finance addressed in state law.

SOCIAL STUDIES

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| MICROECONOMICS Advanced Placement (AP) | 2335 | Grade Placement: 11-12 | .5 Credit |
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Prerequisite: US History

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| SOCIOLOGY | 2400 | Grade Placement: 10-12 | .5 Credit |
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Prerequisite: none

This course is an overview of the discipline of sociology. Students study dynamics and models of individual and group relationships, focusing on human behavior in the group. Students study topics such as the history and systems of sociology, cultural and social norms and deviancy, social institutions, mass communication, social stratification, majority/minority relations, human development, collective behavior and social psychology. This is a course in which reading and writing for students is expected.

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| PSYCHOLOGY | 2440 | Grade Placement: 10-12 | .5 Credit |
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Prerequisite: none

Students consider the development of mental processes and behavior. The class is based on a historical framework and relies on empirical evidence. Areas of study include: the brain, development, learning, motivation, personality, emotion, consciousness, treatment, and sensation / perception.

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| PSYCHOLOGY Advanced Placement (AP) | 2450 | Grade Placement: 12 | .5 Credit |
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Prerequisite: none

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major subfields within psychology. Areas of study include research methods, the human brain, human development, learning and motivation, personality, and abnormal psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students choosing this course should be very mature and serious scholars. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| PSYCHOLOGY Advanced Placement (AP) – Sophomores and Juniors ONLY | 2410 2450 | Grade Placement: 10-11 | .5 Credit .5 Credit |
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Prerequisite: none

SOCIAL STUDIES

Starting with the class of 2022, AP Psychology will be a year long class for 1 credit. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major subfields within psychology. Areas of study include research methods, the human brain, human development, learning and motivation, personality, and abnormal psychology. Students also learn about the ethics and methods psychologists use in their science and practice. Students choosing this course should be very mature and serious scholars. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

Special Topics in Social Studies – Influences of the Old Testament Bible and Other Religions on American Civilization

2420

Grade Placement: 11–12

.5 Credit

Prerequisite: none

Students will examine Old Testament Bible stories and teachings that have influenced the development of the United States. In the course, contributions of major world religions to the American national identity will be explored within the significant themes and stories of the Bible. Students will reflect on their knowledge of American civilization as they read and study from the course text and other writings. Focus will be placed on analytical writing. Students learn the language, literary forms, plot lines, characters, and contents of the Bible so they have a better understanding of its influences on literature, art, and culture. The course will be taught in an objective, academic manner, neither promoting nor disparaging religion and will not be taught from a particular sectarian point of view. Instructional materials and lessons that are of a devotional nature will not be used. **This course cannot substitute for required social studies credits.** Students will receive state elective social studies credit for this course.

Special Topics in Social Studies – Influences of the New Testament Bible and Other Religions on American Civilization

2430

Grade Placement: 11–12

.5 Credit

Prerequisite: none

Students will examine New Testament Bible letters and teachings that have influenced the development of the United States. In the course, contributions of major world religions to the American national identity will be explored within the significant themes of the Bible. Students will reflect on their knowledge of American civilization as they read and study from the course text and other writings. Focus will be placed on analytical writing. Students will analyze literary forms and contents of the Bible so they have a better understanding of its influences on literature, art, and culture. The course will be taught in an objective, academic manner, neither promoting nor disparaging religion and will not be taught from a particular sectarian point of view. Instructional materials and lessons that are of a devotional nature will not be used. **This course cannot substitute for required social studies credits.** Students will receive state elective social studies credit for this course.

Personal Financial Literacy

2000

Grade Placement: 10–12

.5 Credit

Prerequisite: none

This interactive and researched-based course requires students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring

SOCIAL STUDIES

and protecting and college and post-secondary education and training. This course also includes instruction in methods of paying for college and other post-secondary education.

APPLIED and ADAPTIVE SOCIAL STUDIES I – IV 8353 – 8383 Grade Placement: 9-12 1-4 Credits

Requirement: ARD approval

FOREIGN LANGUAGE

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|---------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 1713 | Spanish I | 9 - 12 | X | X | 03440100 | SPAN 1 | 6 | 1 | 1 | |
| 1783 | Spanish I Honors | 9 - 12 | X | X | 03440100 | SPAN 1 | 7 | 2 | 1 | |
| 1723 | Spanish II | 9 - 12 | X | X | 03440200 | SPAN 2 | 6 | 1 | 1 | X |
| 1733 | Spanish II Honors | 9 - 12 | X | X | 03440200 | SPAN 2 | 7 | 2 | 1 | X |
| 1773 | Spanish III | 9 - 12 | X | X | 03440300 | SPAN 3 | 6 | 2 | 1 | X |
| 1743 | Spanish III Honors | 9 - 12 | X | X | 03440300 | SPAN 3 | 7 | 3 | 1 | X |
| 1792 | Spanish IV Honors | 9 - 12 | X | X | 03440400 | SPAN 4 | 7 | 3 | 1 | X |
| 1753 | AP Spanish Language & Culture | 9 - 12 | X | X | A3440100 | APSPALAN | 8 | 4 | 1 | X |
| 1763 | AP Spanish Literature & Culture | 10 - 12 | | X | A3440220 | APSPALIT | 8 | 4 | 1 | X |
| 1613 | German I | 9 | X | | 03420100 | German1 | 6 | 1 | 1 | |
| 1623 | German II | 10-12 | | X | 03420200 | German2 | 6 | 1 | 1 | X |
| 1633 | German II Honors | 10 - 12 | | X | 03420200 | German2 | 7 | 2 | 1 | X |
| 1643 | German III Honors | 11 - 12 | | X | 03420300 | German3 | 7 | 3 | 1 | X |
| 1683 | German IV | 11 - 12 | | X | 03420400 | German4 | 6 | 2 | 1 | X |
| 1653 | German IV AP Language | 11 - 12 | | X | A3420100 | APGrLan | 8 | 4 | 1 | X |
| 1513 | French I | 9 | X | | 03410100 | Fren 1 | 6 | 1 | 1 | |
| 1523 | French II | 10 - 12 | | X | 03410200 | Fren 2 | 6 | 1 | 1 | X |
| 1543 | French II Honors | 10 - 12 | | X | 03410200 | Fren 2 | 7 | 2 | 1 | X |
| 1533 | French III Honors | 11 - 12 | | X | 03410300 | Fren 3 | 7 | 3 | 1 | X |
| 1553 | French IV AP Language | 11 - 12 | | X | A3410100 | APFrLan | 8 | 4 | 1 | X |

Dual Credit: See counselor for Alamo Colleges application and acceptance deadlines

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| SPANISH I | 1713 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: none

The major essential elements of reading, writing, speaking, and listening are taught. Cultural aspects of Spanish-speaking countries are integrated into the teaching of these linguistic skills. Students are expected to complete assignments and practice the language outside of class time.

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| SPANISH I Honors | 1783 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: Introduction to Spanish is recommended, not required

This course lays the foundational strategies and skills that help prepare students for the challenge and rigor of Spanish II Honors. The course is designed for the committed student who desires to integrate the Spanish language into his or her personal and professional goals. The instruction will differ from Spanish I in depth of learning. The major elements of reading, writing, listening, and speaking are taught, including an integration of the cultural aspects of Spanish-speaking countries. Students are expected to be highly motivated to work during and after class hours.

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| SPANISH II | 1723 | Grade Placement: 9-12 | 1 Credit |
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Prerequisite: Spanish I

The major essential elements begun in Spanish I are continued. This course is designed to increase aural-oral proficiency. A more comprehensive view of Hispanic life is included in the conversations and reading selections as exemplified in the history, social institutions, traditions, and culture of Spanish-speaking people. Early presentations are based on material previously learned. The presentation of basic grammar is continued in Spanish II. A greater emphasis is placed on writing the language and the ability to read and understand.

FOREIGN LANGUAGE

SPANISH II Honors

1733

Grade Placement: 9-12

1 Credit

Prerequisite: Spanish I

Spanish II Honors is specifically designed for the committed language student who desires to integrate the Spanish language in his professional and personal goals. Spanish II Honors will differ from regular Spanish II in both the pace and depth of learning. First, the students will develop the basic communication skills thoroughly, specifically, and accurately. They will perform many of the same real-life situations that the regular classes will; however, the honors students will progress through the curriculum more quickly. To do so, the students will be responsible for doing much of the necessary drill and practice outside of school so the class time can be used for more creative and interactive listening, speaking, reading, and writing activities. The cultural focus will be on the customs of countries where Spanish is spoken. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours.

SPANISH III

1773

Grade Placement: 9-12

1 Credit

Prerequisite: Spanish II

Spanish III is specifically designed for the committed language student who has successfully completed Spanish I and II. Students in Spanish III must have mastered the fundamentals of the language and are ready to apply their ability in a wide variety of subject matter. Continued study of basic grammar and the variations are studied in depth. Students will be expected to read literature of the culture and gain oral/aural proficiency.

SPANISH III Honors

1743

Grade Placement: 9-12

1 Credit

Prerequisite: Spanish II

Spanish III Honors is specifically designed for the committed language student who desires to integrate the Spanish language in his professional and personal goals. Spanish III Honors is for students who have mastered the fundamentals of the language and are now ready to apply their ability in a wide variety of subject matter. That is, students enrolled in this course will apply the skills of comprehension in both listening and reading activities. Students will also utilize their knowledge of the language in conversation and writing activities on selected topics. Because the cultures of the countries in which the language is spoken contribute to its history and development, their study will also be a major focal point. The presentation of basic grammar is completed and refined in Spanish III Honors. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours.

SPANISH IV Honors

1792

Grade Placement: 9-12

1 Credit

Prerequisite: Spanish 3 or Spanish 3 Honors

Spanish 4 continues to develop students' Intermediate level proficiency with the goal of increasing their ability to use the language they have learned in Spanish 1, 2 and 3 with greater confidence and fluency. Emphasis is on using and understanding spoken Spanish in the practical situations encountered in the local community, including work contexts, and while traveling in the Spanish-speaking world. Students increase their listening and reading skills and cultural understanding by using authentic newspaper and magazine articles, websites, short stories, radio programs, video clips and songs. Study of geography, history and cultures of the Spanish-speaking world helps students understand cultural aspects and make connections with their other course work. Assessment includes spoken and written performance tasks in rehearsed and unrehearsed contexts. Skills that are developed in Spanish IV Honors will prepare students for successful participation in the College Board AP Spanish Language course.

FOREIGN LANGUAGE

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| AP SPANISH IV LANGUAGE & Culture (Advanced Placement) | 1753 | Grade Placement 10-12 | 1 Credit |
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Prerequisite: Spanish III Honors or Spanish IV Honors

The AP course is conducted primarily in Spanish (90% of the time) and is designed to meet the requirements of freshmen and sophomore college course work. Successful completion of Spanish 3 Honors and/or Spanish 4 Honors + teacher recommendation (or with an 80 or above) is required.

The first semester focuses on intense grammar review plus listening, speaking, reading, and culture. Students will develop writing and conversational skills and prepare for advanced college placement exams. This course is for the committed language student who desires to integrate the Spanish language in professional and personal goals. Because the course concentrates on college-level skills, students are expected to be highly motivated to work during and after class hours. Performance on Interpretive, Interpersonal, & Presentational Skills will be of utmost importance and a main focus for all students. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| AP SPANISH LITERATURE & Culture (Advanced Placement) | 1763 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: AP Spanish Language & Culture

This course prepares the student for the Advanced Placement Literature Examination. This course will be taught primarily in Spanish (90-100%). The students will be taught to understand a lecture in Spanish and to participate actively in discussions on literary topics and themes in Spanish, to do a close reading of Hispanic literary texts in all genres, and to analyze critically the form and content of literary works, orally and in writing, using appropriate terminology. College credit and/or advanced standing may be achieved by demonstrating competence on the Advanced Placement Exam in Spanish. Credit received depends on the exam score and college policy. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| GERMAN I | 1613 | Grade Placement: 9 | 1 Credit |
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Prerequisite: none

The major essential elements of listening, speaking, reading, and writing are taught. Greater emphasis is placed on oral proficiency (listening and speaking), with less emphasis placed on reading and writing. Cultural aspects of German-speaking countries are integrated into the teaching of these linguistic skills.

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| GERMAN II | 1623 | Grade Placement: 10-12 | 1 Credit |
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The essential elements begin in German I are continued. This course is design to increase aural-oral proficiency. A more comprehensive view of the German life is included in the conversation and reading selections as exemplified in the history, social institutions, traditions and culture. The presentation of basic grammar is continued and a greater emphasis is placed on writing the language and the ability to read and understand.

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| GERMAN II Honors | 1633 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: German I

FOREIGN LANGUAGE

The major essential elements begun in German I are continued for further development. The course is also designed to increase aural-oral proficiency. A more comprehensive view of the German-speaker's life is included in the conversations and reading selections as exemplified in the history, social institutions, traditions and culture of the German-speaking people. Early presentations are based on material previously learned. The presentation of basic grammar is continued in German II. While the main emphasis is still placed on oral proficiency, more emphasis is placed on writing the language and the ability to read and understand new material. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours.

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| GERMAN III Honors | 1643 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: German II

German III is specifically designed for the committed language student who desires to integrate the German language in his professional and personal goals. German III is for students who have mastered the fundamentals of the language and are now ready to apply their ability in a wide variety of subject matter. That is, students enrolled in this course will continue to improve their oral proficiency while also applying the skills of comprehension in both listening and reading activities. Students will also utilize their knowledge of the language in conversation on selected topics as well as in writing activities. Culture of the countries in which the language is spoken contributes to its history and development, so its study will also be continued. The presentation of basic grammar is completed and refined in German. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours.

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| GERMAN IV | 1683 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: German III Honors

German IV is specifically designed to meet the needs of the language student who wishes to fine tune his or her skills in the German language, and greatly increase their knowledge of culture and literature. This course concentrates heavily on German literature ranging from "Sturm und Drang," to post WWII authors. The students will continue to practice and improve their oral proficiency as the course is primarily conducted in the target language. Advanced grammar is completed and refined at this level. This course concentrates on college level skills and students should be prepared to work not only in the classroom, but also after class hours.

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| GERMAN IV AP Language | 1653 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: German III Honors

This course is conducted primarily in German and is designed to meet the requirements of freshmen and sophomore college course work. The first semester focuses on intense grammar review plus listening, speaking, and culture. Students will develop writing and conversational skills and prepare for advanced college placement exams. This course is for the committed language student who desires to integrate the German language in professional and personal goals. This course concentrates on college-level skills. Students are expected to be highly motivated to work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

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| FRENCH I | 1513 | Grade Placement: 9 | 1 Credit |
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Prerequisite: none

In this foundation class, students will develop sufficient proficiency to function in real-world, novice situations: greeting people; ordering food; counting; telling time; sending, accepting, and declining invitations; describing themselves and others; asking for and giving biographical information; and talking about daily activities in the past, present, and future. Students learn these skills through a variety of educational experiences including oral

FOREIGN LANGUAGE

role-playing using French language, listening to native speakers, watching French language movies, writing about self and others, completing projects on the French culture.

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| FRENCH II | 1523 | Grade Placement: 10-12 | 1 Credit |
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The essential elements begin in French I are continued. This course is design to increase aural-oral proficiency. A more comprehensive view of the French life is included in the conversation and reading selections as exemplified in the history, social institutions, traditions and culture. The presentation of basic grammar is continued and a greater emphasis is placed on writing the language and the ability to read and understand.

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| FRENCH II Honors | 1543 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: French I

As a continuation of French I, students will sharpen their communication skills as they move toward fluency in the French language. They will participate in a series of learning opportunities that allows for deeper interaction with the Francophone world. They will expand their abilities to narrate and describe past activities, learn how to give and take directions to locations, be able to make travel and hotel arrangements, negotiate the metro, order in a restaurant, and talk about leisure activities. Through a series of projects, they will learn about different Francophone countries and their cultures.

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| FRENCH III Honors | 1533 | Grade Placement: 11 – 12 | 1 Credit |
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Prerequisite: French II

This class is designed for students who want to move into the depth of study required for Advanced Placement. The students will learn to interact in Francophone situations at the social, educational, and cultural levels. Students will engage in a variety of writing, speaking, listening, and reading opportunities. The students will complete two projects per six-weeks to enhance their fluency, including locating and communicating with a Francophone pen pal. Students who complete this course will be well-prepared for French Language Advanced Placement course.

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| FRENCH IV AP LANGUAGE | 1553 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: French III or teacher approval

This class provides the depth of learning for those students dedicated to fluency. Upon completion of this course, the students are encouraged to take the Advanced Placement examination to attain up to four semester credits of college level French language. Students will participate in Socratic seminars, role plays, and debates that prepare them to think and communicate in French. They will use contemporary French media to enhance their understanding of French idioms, opinions, and ideas. They will have the opportunity to converse with native speakers using everyday language. For a more complete description of this or any Advanced Placement course, please visit the College Board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html.

INDEPENDENT STUDY COURSES

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------------|-------|--------------------|---|----------|------------|-------------|--------------|---------|--------|
| | | | | | | | | | | |
| 9400 | Interdisciplinary Studies/Mentor Seminar 1 | 9 | X | | N1290309 | GTISM1 | 6 | 1 | 1 | |
| 9406 | Interdisciplinary Studies/Mentor Seminar 4 | 12 | | X | N1290318 | GTISM4 | 8 | 4 | 1 | |

INTERDISCIPLINARY STUDIES/MENTOR SEMINAR

1

9400

Grade Placement: 9

1 Credit

This course is open to 9th Grade G/T and General Education students. This is a course of inquiry and discovery. The focus will be on developing leadership and communication skills and examining the social-emotional aspects and self-management strategies of gifted leaders.

This course may include at least one of the following: a leadership book study, professional-level presentation, professional-level judges/panel, researching and reporting on experts on leadership best-practices, leadership in your area of interest, models, professional artifacts or culminating products, and defining the student's own philosophy of leadership.

INTERDISCIPLINARY STUDIES/MENTOR SEMINAR

4

9406

Grade Placement: 12

1 Credit

This course is open to 12th Grade G/T and General Education students. This is a course of inquiry and discovery. All students in this course will develop a product proposal, compile a portfolio, conduct in-depth research, be matched with a mentor from the business or professional community, and prepare for a public presentation of their product or performance at the end of the school year to be evaluated by an audience that includes experts in the student's area of interest.

FINE ARTS

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------|----|----------------------|-------------------|-------------|--------------|---------|---------|
| | | | NGC | HS | | | | | | |
| 7013 | Art I* | 9 – 12 | X | X | 03500100 | Art 1 | NA | 1 | 1 | |
| 7073 | Art II* | 10 – 12 | | X | 03500500 | Art 2 Draw | NA | 1 | 1 | X |
| 7023 | Art II Honors: 2D Design* | 10 – 12 | | X | 03500700 | Art 2 Print | 7 | 2 | 1 | X |
| 7053 | Art II Honors: 3D Design* (Sculpture) | 10 – 12 | | X | 03501000 | Art2Sclp | 7 | 2 | 1 | X |
| 7033 | AP Studio Art: 2D Design* | 10 – 12 | | X | A3500400 | AP2DDP | 8 | 4 | 1 | X |
| 7043 | AP Studio Art: 3D Design* (Sculpture) | 10 – 12 | | X | A3500500 | AP3DDP | 8 | 4 | 1 | X |
| 7063 | AP Studio Art: Drawing* | 10 – 12 | | X | A3500300 | APStArtD | 8 | 4 | 1 | X |
| 6501 | Floral Design | 10 – 12 | | X | 13001800 | PEFIDsn | | 1 | 1 | |
| 7113 | Theatre Arts I | 9 – 12 | X | X | 03250100 | Th1 | NA | 1 | 1 | |
| 7123 | Theatre Arts II | 10 – 12 | | X | 03250200 | TH2 | | 1 | 1 | X |
| 7133 | Theatre Arts III | 11 – 12 | | X | 03250300 | TH3 | | 3 | 1 | X |
| 7143 | Theatre Arts IV | 12 | | X | 03250400 | TH4 | | 3 | 1 | X |
| 7175 | Musical Theatre I | 9 -12 | X | X | 03251900 | MUSTH1 | | 1 | 1 | |
| 7153 | Technical Theatre I | 10 – 12 | | X | 03250500 | TH1Tech | | 3 | 1 | X |
| 7163 | Technical Theatre II | 11 – 12 | | X | 03250600 | TH2Tech | | 3 | 1 | X |
| 7513 7514 | Symphonic Band** If in 9 th or 10 th grade – student will receive .5 credit in 1 st semester for PE substitution and 1 credit in Fine Arts | 9 | X | | PES00012 03150100 | SubMB Mus1Band | | NA | 1 | .5 1 |
| 7516 7515 | | 10 | | X | PES00012 03150200 | SubMB Mus2Band | .5 1 | | | X |
| 7519 | | 11 | | X | 03150300 | Mus3Band | 1 | | | X |
| 7593 | | 12 | | X | 03150400 | Mus4Band | 1 | | | X |
| 7516 7525 | Concert Band** If in 9 th or 10 th grade – student will receive .5 credit in 1 st semester for PE substitution and 1 credit in Fine Arts | 10 | | X | PES00012 03150200 | SubMB Mus2Band | NA | 1 | .5 1 | X |
| 7529 | | 11 | | X | 03150300 | Mus3Band | | | 1 | |
| 7596 | | 12 | | X | 03150400 | Mus4Band | | | 1 | |
| 7516 7535 | Honor Band** If in 10 th grade – student will receive .5 credit in 1 st semester for PE substitution and 1 credit in Fine Arts | 10 | | X | PES00012 03150200 | SubMB Mus2Band | NA | 3 | .5 1 | X |
| 7539 | | 11 | | X | 03150300 | Mus3Band | | | 1 | |
| 7599 | | 12 | | X | 03150400 | Mus4Band | | | 1 | |
| 7516 7555 | Wind Ensemble** If in 10 th grade – student will receive .5 credit in 1 st semester for PE substitution and 1 credit in Fine Arts | 10 | | X | PES00012 03150200 | SubMB Mus2Band | NA | 3 | .5 1 | X |
| 7559 | | 11 | | X | 03150300 | Mus3Band | | | 1 | |
| 7560 | | 12 | | X | 03150400 | Mus4Band | | | 1 | |
| 7513 7514 | Percussion** If in 9 th or 10 th grade – student will receive .5 credit in 1 st | 9 | X | | PES00012 03150100 | SubMB Mus1Band | NA | 1 | .5 1 | X |
| 7516 | | 10 | | X | PES00012 | SubMB | | | .5 | X |

FINE ARTS

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|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|----------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------------------|---------|---|---|
| 7546 | semester for PE substitution and 1 credit in Fine Arts | | | | 03150200 | Mus2Band | | | 1 | | |
| 7549 | | 11 | | X | 03150300 | Mus3Band | | | 1 | | |
| 7586 | | 12 | | X | 03150400 | Mus4Band | | | 1 | | |
| 7513 7569 | Colorguard** | 9 | X | | PES00012 03151700 | SubMB Mus1InEn | | 3 | .5 1 | | |
| 7516 7572 | If in 9 th or 10 th grade – student will receive .5 credit in 1 st semester for PE substitution and 1 credit in Fine Arts | 10 | | X | PES00012 03151800 | SubMB Mus2InEn | | | .5 1 | | |
| 7573 | | 11 | | X | 03151900 | Mus3InEn | | | 1 | | |
| 7574 | | 12 | | X | 03152000 | Mus4InEn | | | 1 | | |
| 7575 | Jazz Band I | 10 – 12 | | X | 03151300 | Mus1jzbn | | | 2 | 1 | X |
| 7576 | Jazz Band II | 10-12 | | X | 03151400 | Mus2jzbn | | 3 | 1 | X | |
| 7578 | Jazz Band III | 12 | | X | 03151500 | Mus3jzbn | | 3 | 1 | X | |
| 7603 | Freshman Choir*** | 9 | X | | 03150900 | Mus1Chor | NA | 1 | 1 | | |
| 7613 7614 7615 | Beginning Choir*** | 10 11 12 | | X | 03151000 03151100 03151200 | Mus2Chor Mus3Chor Mus4Chor | | 1 | 1 | | |
| 7624 7625 7626 | | Concert Choir*** | 10 11 12 | | X X X | 03151000 03151100 03151200 | Mus2Chor Mus3Chor Mus4Chor | | 1 | 1 | |
| 7633 7634 7635 | | | Chorale*** | 10 11 12 | | X | 03151000 03151100 03151200 | Mus2Chor Mus3Chor Mus4Chor | | 3 | 1 |
| 7648 7649 7650 | Vocal Ensemble | | | 10 11 12 | | X | 03152200 03152300 03152400 | Mus2Voe n Mus3Voe n Mus4Voe n | | 3 | 1 |
| 7706 | | Applied Music I | | 10 – 12 | | X | 03152500 | Mus1Apl | NA | 1 | 1 |
| 7707 | | Applied Music II | 11 – 12 | | X | 03152600 | Mus2Apl | NA | 1 | 1 | X |
| 7708 | Applied Music III | 12 | | X | 03152601 | Mus3Apl | NA | 1 | 1 | X | |
| 7203 | Dance I | 10 – 12 | | X | 03830100 | Dance 1 | NA | 1 | 1 | | |
| 7220 | Dance II | 10 – 12 | | X | 03830200 | Dance 2 | | 1 | 1 | X | |
| 7224 | Dance III | 10 – 12 | | X | 03830300 | Dance 3 | | 1 | 1 | X | |
| 7230 | Dance IV | 10 – 12 | | X | 03830400 | Dance 4 | | 1 | 1 | X | |
| 7206 | Sapphires Pep Squad | 9 | X | | PES00014 03830100 | SubDT Dance 1 | | 1 | 1 | | |
| 7242 7243 7244 | Mystics Pom Squad | 10 11 12 | | X X X | 03830200 03830300 03830400 | Dance 2 Dance 3 Dance 4 | | 2 | 1 | X | |
| 7251 7252 7253 | | Monoceras Dance Team | 10 11 12 | | X X X | 03830200 03830300 03830400 | | Dance 2 Dance 3 Dance 4 | 3 | 1 | X |

*Supply fee required:

\$10 – Art I and II

\$15 – Art II Honors 2D

\$20 – Art II Honors 3D

\$25 – AP Studio Art: 2D Design

\$25 – AP Studio Art: Drawing

\$30 – AP Studio Art: 3D Design

**Fair-share fee required:

For expenses such as uniform cleaning and band supplies.

There may be additional costs for personal uniform pieces and contest participation.

***Fair-share fee required:

For expenses such as uniform cleaning and choral supplies

FINE ARTS

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|--------------|-------------|------------------------------|-----------------|
| ART I | 7013 | Grade Placement: 9-12 | 1 Credit |
|--------------|-------------|------------------------------|-----------------|

Prerequisite: none

Art I allows the student the opportunity to learn how to work with a large variety of materials. The first semester of Art I will introduce the student to drawing and color study using the elements and principles of design. Drawing will consist of sequential learning steps with emphasis on developing shading skills. Color studies will include but not be restricted to using waterbase paint. The second semester will include the study of painting, printmaking, sculpture, ceramics and fibers (optional). Printmaking will involve relief or silkscreen printing, sculpture will include additive construction; ceramics will consist of hand building methods of pinch, coil, and slab. Fibers might consist of basic weaving or other techniques. Periods of art and their influence will be covered. Computer manipulated works are incorporated into the curriculum. Each student will pay \$10.00 for their art supplies.

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| ART II | 7073 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Art I, recommendation of teacher and/or portfolio review

This class is designed for the student that enjoys art, but is not a career art student. The Art II curriculum enriches and enhances techniques learned in Art I. Students will expand their abilities in drawing, painting, printmaking, ceramics, and sculpture, while building their creative skills. Each student will pay \$10.00 for their art supplies. (The transcript will reflect Art II Drawing.)

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|---------------------------------|-------------|---------------------------------|-----------------|
| ART II Honors: 2D Design | 7023 | Grade Placement: 10 – 12 | 1 Credit |
|---------------------------------|-------------|---------------------------------|-----------------|

Prerequisite: Art I, recommendation of teacher and/or portfolio review

Honors 2D Art is designed for the serious and dedicated art student. The curriculum will spiral and expand the drawing and painting curriculum learned in Art I. First semester students will develop skills in drawing and color theory application beyond the average Art I student as they review requirements of the AP examination. Second semester extends learning through higher expectations in painting. Computer manipulated works are incorporated into the curriculum. The supply cost is \$15.00. This course prepares students for two different AP classes: AP Studio Art 2D Design and AP Studio Art Drawing. (The transcript will reflect Art II Printmaking.)

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|---------------------------------------------|-------------|---------------------------------|-----------------|
| ART II Honors: 3D Design (Sculpture) | 7053 | Grade Placement: 10 – 12 | 1 Credit |
|---------------------------------------------|-------------|---------------------------------|-----------------|

Prerequisite: Art I, recommendation of teacher and/or portfolio review

Honors 3D Design is designed for the serious and dedicated art student. The curriculum will expand the sculpture curriculum touched on in Art I. Students will study various aspects and techniques of sculpture and will work with a variety of sculptural media, including clay, wire, fabric, metal, paper, and recycled objects. This course will review requirements of the AP examination. Students will work toward creating and assembling their AP 3D Portfolio. The supply cost is \$20.00.

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|------------------------------------------------------|-------------|---------------------------------|-----------------|
| STUDIO ART AP: 2D Design (Advanced Placement) | 7033 | Grade Placement: 10 - 12 | 1 Credit |
|------------------------------------------------------|-------------|---------------------------------|-----------------|

Prerequisite: Art II Honors: 2D Design, or portfolio review by instructor

AP 2D Design is an advanced studio course for the serious and dedicated student. It is designed for talented art students who wish to pursue college level studies while in high school. Emphasis will be on advanced drawing and painting styles, 2-D designs, printmaking and color study. Computer manipulated works are incorporated into the curriculum. Students will compile portfolios that fulfill current College Board requirements. This course prepares the student to take the AP exam. Students are expected to be highly motivated and work during and after class hours. The supply cost is \$25.00 plus the cost of the AP exam. For a more complete description of this or any Advanced Placement course, please visit the College board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html

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STUDIO ART AP: 3D Design (Sculpture) (Advanced Placement)

7043

Grade Placement: 10 - 12

1 Credit

Prerequisite: Art II Honors: 3D Design, or portfolio review by instructor

AP Three Dimensional Design is designed for the serious and dedicated art student. Students will study various aspects and techniques of sculpture and will work with a variety of sculptural media including clay, wire, fabric, metals, paper and recycled objects. This course prepares the student to take the AP exam. Students are expected to be highly motivated and work during and after class hours. The supply cost is \$30.00 plus the cost of the AP exam. For a more complete description of this or any Advanced Placement course, please visit the College board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html

STUDIO ART AP: Drawing (Advanced Placement)

7063

Grade Placement: 10-12

1 Credit

Prerequisite: Art II Honors: 2D Design or portfolio review by instructor

This is an advanced studio art course for the serious and dedicated student. This course deals with various techniques and media involved in painting and drawing. Curriculum provides advanced challenges in the visual arts through which students can develop and display their skill, understanding, insight and personal artistic voice through a body of works. Students will compile portfolios that fulfill current College Board requirements. The supply cost is \$25.00 plus the cost of the AP exam. Students are expected to be highly motivated and work during and after class hours. For a more complete description of this or any Advanced Placement course, please visit the College board website at apcentral.collegeboard.com/apc/public/courses/descriptions/index.html

FLORAL DESIGN

6501

Grade Placement: 10-12

1 Credit

Prerequisite: NA

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. **This course satisfies the fine arts graduation requirement.**

THEATRE ARTS I

7113

Grade Placement: 9-12

1 Credit

Prerequisite: none

Students may fulfill fine arts and elective requirements for graduation by successfully completing this course. Students will develop concepts about self and human relationships using the elements of drama and conventions of theatre. Students will interpret and create dramatization. Students will apply design, directing and theatre production concepts and skills. Students will relate theatre to history, society and culture. Students will respond to and evaluate theatre and theatrical performances. Students will evaluate theatrical conventions of various cultural and historical periods.

THEATRE ARTS II

7123

Grade Placement: 10-12

1 Credit

Prerequisite: Theatre Arts I

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Students increase their understanding of heritage and traditions through historical and cultural studies in theatre. Student response and evaluation promote thinking and further discriminating judgment, developing students who are appreciative and evaluative consumers of live theatre, film, television, and other technologies.

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| THEATRE ARTS III | 7133 | Grade Placement: 11-12 | 1 Credit |
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Prerequisite: Theatre Arts II

Students increase their understanding of heritage and traditions through historical and cultural studies in theatre. Student response and evaluation promote thinking and further discriminating judgment, developing students who are appreciative and evaluative consumers of live theatre, film, television, and other technologies.

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| THEATRE ARTS IV | 7143 | Grade Placement: 12 | 1 Credit |
|------------------------|-------------|----------------------------|-----------------|

Prerequisite: Theatre Arts III

Through perceptual studies, students increase their understanding of self and others and develop clear ideas about the world. Through a variety of theatrical experiences, students communicate in a dramatic form, make artistic choices, solve problems, build positive self-concepts, and relate interpersonally.

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| MUSICAL THEATRE 1 | 7175 | Grade Placement: 9 – 12 | 1 Credit |
|--------------------------|-------------|--------------------------------|-----------------|

Musical Theatre class is an exploration of Musical Theatre. Students will study the work of the actor/singer/dancer and use their gained knowledge to develop as performers. Students will prepare and present as soloists as well as members of small groups and larger ensembles. Students will prepare material for class presentation and critique. There will also be a focus on the audition process as well as musical theatre history and repertoire. The class will culminate with a showcase performance.

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|----------------------------|-------------|-------------------------------|-----------------|
| TECHNICAL THEATRE I | 7153 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Theatre Arts I

Students will design, construct, and operate appropriate technical elements of theatre, safely and effectively, collaboratively and individually. Students will receive behind-the-stage instruction in the areas of stage management, scenery, set construction and design, make-up, costumes, lighting and sound.

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| TECHNICAL THEATRE II | 7163 | Grade Placement 11-12 | 1 Credit |
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Prerequisite: Technical Theatre I

Students will design, construct, and operate appropriate technical elements of theatre, safely and effectively, collaboratively and individually. Students will receive behind-the-stage instruction in the areas of stage management, scenery, set construction and design, make-up, costumes, lighting and sound.

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|--------------------------------------------------------------------------------------------|------------------|--------------------------------|---------------------------------|
| MARCHING BAND: SYMPHONIC BAND CONCERT BAND HONOR BAND WIND ENSEMBLE | SEE CHART | Grade Placement: 9 - 12 | See Chart on page 41 |
|--------------------------------------------------------------------------------------------|------------------|--------------------------------|---------------------------------|

Prerequisite: Participation in the Middle School Band Program through the 8th grade, placement by audition. Participation in the Unicorn Marching Band is required.

The Mighty Unicorn Band is made up of six concert bands (4 at High School, 2 at 9th Grade), percussion class and. These groups meet separately during the school day and meet as a marching band outside of the school day in the fall semester. Participation in both marching and concert band is required for all students. The band performs at football games and pep rallies, concerts, civic functions, concert competition, including UIL contests. Students develop individual playing skills and fundamentals, performance techniques, marching skills, and teamwork and

FINE ARTS

leadership skills. Students may earn elective credit or fine arts credit for band. It fulfills the state's PE requirement through participation in marching band during two fall semesters. There is a minimum "fair-share" fee for this course (such as uniform cleaning and band supplies). There may be additional costs for personal uniform pieces and contest participation.

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| PERCUSSION | SEE CHART | Grade Placement: 9 - 12 | See Chart on page 41 |
|-------------------|------------------|--------------------------------|-----------------------------|

Prerequisite: Participation in the Middle School Band Program through the 8th grade, placement by audition. Participation in the Unicorn Marching Band is required.

This class meets every day in the fall and serves as the drumline and front ensemble for the marching band. Percussionists will be placed on instruments for marching season based on audition and experience. Students will receive instruction in performance techniques and will work in various groups preparing for performances as a drumline or in small ensembles. There will be a variety of performances opportunities. In the spring semester, percussionists will be moved into their assigned concert bands. Percussionists will receive one credit in percussion and one credit in band for the year. There is a minimum "fair-share" fee for this course (such as uniform cleaning and band supplies). There may be additional costs for personal uniform pieces and contest participation.

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| COLORGUARD | SEE CHART | Grade Placement: 9 - 12 | See Chart on page 41 |
|-------------------|------------------|--------------------------------|-----------------------------|

Prerequisite: Audition

The Colorguard is an extension of the Unicorn Marching Band. Any student wishing to join is welcome to audition. The Colorguard performs at football games, basketball games, contests, pep-rallies, and other performance venues. There is a minimum "fair share" fee for this course (such as uniform cleaning and supplies). There may be additional costs for personal uniform pieces and contest participation.

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|--------------------|-------------|-------------------------------|-----------------|
| JAZZ BAND 1 | 7575 | | |
| JAZZ BAND 2 | 7576 | Grade Placement: 10-12 | 1 Credit |
| JAZZ BAND 3 | 7578 | | |

Prerequisite: Participation in the Middle School Band Program through 8th grade.

Enrolled in a NBHS Concert Band as well as participate in the Unicorn Marching Band. Students must play an instrument that is traditionally found in the standard jazz band instrumentation. Any non-band student that plays guitar, keyboard or is a vocalist may be eligible to audition.

This course will allow music students to explore an additional form of music performance through the idiom of Jazz study. Students will learn the performance fundamentals of Jazz as well as its theory concepts and improvisation skills. Students will perform concerts, civic functions, and Festival and Region competitions. Students may earn elective credit or fine arts credit.

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| FRESHMAN CHOIR | 7603 | Grade Placement: 9 | 1 Credit |
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Freshman choir is comprised of ninth grade singers divided into Treble Choir (Freshman women) and Tenor Bass Choir (Freshman men). Emphasis is placed on developing vocal techniques, sightreading and repertoire.

Freshman Choir members are highly encouraged to participate in Region Auditions and Solo and Ensemble Competition. Freshman Choir prepares and participates in UIL Concert and Sightreading Competition.

Attendance at choir concerts is required. Students may fulfill fine arts and elective requirements for graduation through successful completion of this course. There is a fair-share fee for this course.

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|------------------------|------------------|-------------------------------|-----------------|
| BEGINNING CHOIR | SEE CHART | Grade Placement: 10-12 | 1 Credit |
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Beginning Choir is open to all voices in 10-12 grade who are brand new to choir. Emphasis is placed on developing basic vocal techniques, sightreading and repertoire. Attendance at choir concerts is required. Students may fulfill

FINE ARTS

fine arts and elective requirements for graduation through successful completion of this course. There is a fair-share fee for this course.

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| CONCERT CHOIR | SEE CHART | Grade Placement 10 – 12 | 1 Credit |
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Concert Choir is an intermediate female choral ensemble. Emphasis is placed on developing vocal techniques, sightreading and repertoire. Concert Choir members are highly encouraged to participate in Region Auditions and Solo and Ensemble Competition. Concert Choir prepares and participates in UIL Concert and Sightreading Competition. Attendance at choir concerts is required. Students may fulfill fine arts and elective requirements for graduation through successful completion of this course. There is a fair-share fee for this course.

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|----------------------|------------------|-------------------------------|-----------------|
| CHORALE CHOIR | SEE CHART | Grade Placement: 10-12 | 1 Credit |
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Chorale is an advanced mixed choral ensemble. The ensemble is divided into Chorale Women (comprised of advanced female singers) and Chorale Men (comprised of intermediate/advanced male singers). Emphasis is placed advanced choral and vocal techniques, sightreading and advanced repertoire. Chorale members are highly encouraged to participate in Region Auditions and Solo and Ensemble Competition. Chorale prepares and participates in UIL Concert and Sightreading Competition and has several other community and school commitments throughout the year. Attendance at choir concerts is required. Students may fulfill fine arts and elective requirements for graduation through successful completion of this course. There is a fair-share fee for this course.

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| VOCAL ENSEMBLE | SEE CHART | Grade Placement: 10-12 | 1 Credit |
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Vocal Ensemble is a highly selective secondary vocal ensemble that advanced students may take in addition to Chorale. Emphasis is placed on advanced vocal techniques in a variety of styles including vocal jazz, barbershop, contemporary a cappella, and pop. Vocal Ensemble will perform regularly for school and community engagements. Attendance at choir concerts and Vocal Ensemble performances is required. Students may fulfill fine arts and elective requirements for graduation through successful completion of this course. There is a fair-share fee for this course.

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|------------------------|-------------|-------------------------------|-----------------|
| APPLIED MUSIC I | 7706 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Participation in the Middle School Band Program through 8th grade. Enrolled in a NBHS Concert Band as well as participate in the Unicorn Marching Band.

This course allows band students to advance their development of proficiency in instrumental performance. The course will address the specific needs of each student and provide individualized as well as chamber group instruction through challenging literature for study and performance. Students may satisfy fine arts and elective requirements.

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| APPLIED MUSIC II | 7707 | Grade Placement: 11-12 | 1 Credit |
|-------------------------|-------------|-------------------------------|-----------------|

Prerequisite: Participation in the Middle School Band Program through 8th grade. Enrolled in a NBHS Concert Band as well as participate in the Unicorn Marching Band.

This course allows band students to advance their development of proficiency in instrumental performance. The course will address the specific needs of each student and provide individualized as well as chamber group instruction through challenging literature for study and performance. Students may satisfy fine arts and elective requirements.

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|--------------------------|-------------|----------------------------|-----------------|
| APPLIED MUSIC III | 7708 | Grade Placement: 12 | 1 Credit |
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FINE ARTS

Prerequisite: Participation in the Middle School Band Program through 8th grade. Enrolled in a NBHS Concert Band as well as participate in the Unicorn Marching Band.

This course allows band students to advance their development of proficiency in instrumental performance. The course will address the specific needs of each student and provide individualized as well as chamber group instruction through challenging literature for study and performance. Students may satisfy fine arts and elective requirements.

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|----------------|-------------|-------------------------------|-----------------|
| DANCE I | 7203 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: none

Students will be introduced to the fundamental skills of dancing. The course will include stretching and conditioning dance exercises, performance of dance routines both individual and as a group to various types of music.

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| DANCE II | 7220 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Full year of Dance I

Students will learn advanced dance skills. This course will include stretching and conditioning dance exercises, performance of dance routines, both individual and as a group to various types of music. Students will also make up their own choreography to perform at a show.

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| DANCE III | 7224 | Grade Placement: 10-12 | 1 Credit |
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Prerequisite: Completed and received credit for Dance II.

This course focuses on developing and assessing the artistic growth of the intermediate dancer. Credit for this course does not automatically qualify the student for Level IV.

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| DANCE IV | 7230 | Grade Placement: 10-12 | 1 Credit |
|-----------------|-------------|-------------------------------|-----------------|

Prerequisite: Completed and received credit for Dance III.

This course focuses on developing and assessing the artistic growth of the advanced dancer, as well as exploring career pathways.

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| SAPPHIRES PEP SQUAD | 7206 | Grade Placement: 9 | 1 Credit |
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Prerequisite: None

Students will learn hand motions to school cheers as well as hand routines to school songs. Members will attend all varsity football games as well as other selected sporting events in order to promote school spirit. Students and their parents should attend a preliminary meeting with the director prior to enrollment in the class. Parent meeting for Sapphires is early in the second semester, with additional times by appointment with the Dance Director. Tryouts are held in March and selection is based on dance ability, academic performance and discipline. **Students receive a 1.0 PE substitution credit.** Students should select PE on their choice card. Students who qualify for the Sapphires Pep Squad will be moved into that class.

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| MYSTICS POM SQUAD | SEE CHART | Grade Placement 10-12 | 1 Credit |
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Prerequisite: Tryouts

Students should visit with director prior to registering for this class. This course is designed for members of the Mystic Pom Squad. Tryouts are held in March and selection is based on dance ability, academic performance and discipline. You must be on Mystics or Sapphires for one year to be eligible to try out for Monoceras Dance Team. Students will receive 1 credit of Fine Arts upon successful completion of class. Students may substitute a PE

FINE ARTS

credit if deemed necessary for graduation requirements. **All students trying out for Mystics need to sign up for a physical education course until try-outs are completed. The sponsor will notify counselors for schedule changes.**

| MONOCERAS DANCE TEAM | SEE CHART | Grade Placement 10-12 | 1 Credit |
|-----------------------------|------------------|------------------------------|-----------------|
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Prerequisite: Tryouts and previous year of Sapphires , Mystics, Cheerleader, or Monoceras

Students should visit with director prior to registering for this class. This course is designed for members of the Monoceras Dance Team. Tryouts are held in March and selection is based on dance ability, academic performance and discipline. Students will receive 1 credit of Fine Arts upon successful completion of class.

Students may substitute a PE credit if deemed necessary for graduation requirements. **All students trying out for Monoceras need to sign up for a physical education course until try-outs are completed. The sponsor will notify counselors for schedule changes.**

PHYSICAL EDUCATION

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------|-------|--------------------|----|--------------|--------------|----------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 4020/4021 | PE – Individual Sports | 9 | X | | PES00055 | PEITS | Not applicable | 1 | 1 | |
| 4010 | PE – Foundations of Personal Fitness | 10 | | X | PES00052 | PEFound | | 1 | 1 | |
| 4030 | PE – Aerobics & Conditioning | 11 | | X | PES00054 | PEAA | | 1 | 1 | |
| 4040 | PE – Adventures/Outdoor Education | 12 | | X | PES00053 | PEAOA | | 1 | 1 | |
| 7263 | Cheerleading | 9 | X | | PES00013 | SubChldg | NA | NA | 1 | X |
| 7273 | Cheerleading | 10-12 | | X | 84200chr | Cheer Loc | NA | NA | Local | X |
| 8993 | Applied Leisure Education | 9-12 | X | X | ARD Decision | ARD Decision | NA | NA | 1 | X |

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|-----------------------------------------------|------------------|---------------------------|-----------------|
| PHYSICAL EDUCATION (Individual Sports) | 4020/4021 | Grade Placement: 9 | 1 Credit |
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Prerequisite: none

Students in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of individual sport activities that are enjoyable is a major objective of this course.

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| PHYSICAL EDUCATION (Foundations of Personal Fitness) | 4010 | Grade Placement: 10 | 1 Credit |
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Prerequisite: none

The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness.

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| PHYSICAL EDUCATION (Aerobics & Conditioning) | 4030 | Grade Placement: 11 | 1 Credit |
|---------------------------------------------------------|-------------|----------------------------|-----------------|

Prerequisite: none

Students enrolled in conditioning and track will gain the capability to recognize fitness, establish workout schedule, monitor health habits, and improve cardio respiratory endurance, muscular strength, muscular endurance, flexibility, and body composition through track and weight training.

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|----------------------------------------------------------|-------------|----------------------------|-----------------|
| PHYSICAL EDUCATION (Adventures/Outdoor Education) | 4040 | Grade Placement: 12 | 1 Credit |
|----------------------------------------------------------|-------------|----------------------------|-----------------|

Prerequisite: none

Students enrolled in adventure outdoor education are expected to develop competency in outdoor education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime.

| | | | |
|---------------------|-------------|---------------------------------|---------------------|
| CHEERLEADING | 7263 | Grade Placement: 9 | 1 Credit |
| | 7273 | Grade Placement: 10 - 12 | Local Credit |

Prerequisite: Tryouts.

PHYSICAL EDUCATION

This course is designed for members of the cheerleading squads. Tryouts are held in March and selection is based on athletic ability, academic performance, and discipline. **All students trying out for cheerleading need to sign up for a physical education course until try-outs are completed. The sponsor will notify counselors for schedule changes.** Students may receive up to 1.0 PE substitute credit for Cheer. All other cheer credits are local credits only.

APPLIED LEISURE EDUCATION

8993

Grade Placement: 9 - 12

1 – 4 Credits

Prerequisite: **ARD approval**

This course is designed to help students focus on how to use their free time appropriately in school and community settings. Instruction included in the areas of arts and crafts and indoor/outdoor lifelong physical well-being activities.

HEALTH AND SPORTS MEDICINE

| | NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|--|------------------|------------------------------|---------|--------------------|---|----------|------------|-------------|--------------|---------|--------|
| | | | | | | | | | | | |
| | 4000 | Health Education | 9-12 | X | X | 03810100 | HlthEd | N A | 1 | .5 | |
| | 6123 | Principles of Health Science | 9 | X | | 13020200 | PrinHlSc | N A | 1 | 1 | |
| | 6134 | Health Science Theory | 10-12 | | X | 13020400 | HlthSci | N A | 2 | 1 | X |
| | 4369 | Sports Medicine I | 10 – 12 | | X | N1150040 | SportMd1 | N A | 1 | .5-1 | |

HEALTH EDUCATION

4000

Grade Placement: 9-12

.5 Credit

Prerequisite: none

This course meets the Health and CPR training requirements for graduation.

The Health Education course consists of many areas. It covers the physical, mental, and social aspects of one's health. This course will help students acquire the health information and skills necessary to become healthy adults and learn about behaviors in which they should and should not participate.

PRINCIPLES OF HEALTH SCIENCE

6123

Grade Placement: 9

1 Credit

Prerequisite: none

Investigate medical careers! This course is designed to provide an opportunity for understanding the concepts and skills necessary for entering the health care field. Essential elements included in this course are current events in health care, medical terminology, anatomy and physiology, human growth and development, CPR, first aid, basic concepts of illness and wellness, medical communications skills, and interpersonal relationships. **This course will satisfy the Health requirement along with CPR if not previously completed.**

HEALTH SCIENCE THEORY

6134

Grade Placement: 10-12

1 Credit

Prerequisites: Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. **This course will satisfy the Health requirement along with CPR if not previously completed.**

SPORTS MEDICINE I

4369

Grade Placement: 10-12

.5-1 Credit

Prerequisite: Sophomore level and application/signature of staff athletic trainer

Sports Medicine is a two-semester course that awards one elective credit toward graduation. The class provides students an opportunity to study and apply the concepts of sports medicine(SM) including but not limited to: SM related careers, organizational and administrative considerations, prevention, recognition, and immediate care of athletic injuries, taping/wrapping techniques, first aid, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. This course covers some college level material and is viewed very favorably for acceptance in athletic training education programs or other health careers. In addition to mentally demanding in-class assignments, students are required to complete 25 hours of out-of-class shadowing. Special consideration is given to current members of the athletic trainer student aides or students following a public service endorsement. Class size is limited to 15 students.

ATHLETICS

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|------------------------------------|-------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 4113 | Girls Volleyball I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4121 | Girls Volleyball II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4122 | Girls Volleyball III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4123 | Girls Volleyball IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4116 | Girls Basketball I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4131 | Girls Basketball II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4132 | Girls Basketball III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4133 | Girls Basketball IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4303 | Girls Softball I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4304 | Girls Softball II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4305 | Girls Softball III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4306 | Girls Softball IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4331 | Girls Soccer I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4332 | Girls Soccer II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4333 | Girls Soccer III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4334 | Girls Soccer IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4203 | Boys Football I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4211 | Boys Football II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4212 | Boys Football III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4213 | Boys Football IV | 12 | | X | PES00003 | SubAth4 | NA | NA | .5 | X |
| 4223 | Boys Basketball I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4231 | Boys Basketball II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4232 | Boys Basketball III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4233 | Boys Basketball IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4241 | Boys Baseball I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4242 | Boys Baseball II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4243 | Boys Baseball III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4244 | Boys Baseball IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4341 | Boys Soccer I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4342 | Boys Soccer II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4343 | Boys Soccer III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4344 | Boys Soccer IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4376 | Boys Wrestling I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4377 | Boys Wrestling II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4378 | Boys Wrestling III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4379 | Boys Wrestling IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4371 | Track (Boys and Girls) I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4372 | Track (Girls and Boys) II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4373 | Track (Girls and Boys) III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4374 | Track (Girls and Boys) IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4251 | Cross Country (Girls and Boys) I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4252 | Cross Country (Girls and Boys) II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4253 | Cross Country (Girls and Boys) III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4254 | Cross Country (Girls and Boys) IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |

ATHLETICS

| | | | | | | | | | | |
|------|-----------------------------------------------------|----|---|---|----------|---------|----|----|---|---|
| 4263 | Tennis (Girls and Boys) I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4271 | Tennis (Girls and Boys) II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4272 | Tennis (Girls and Boys) III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4273 | Tennis (Girls and Boys) IV | 12 | | X | PES00003 | SubAth4 | NA | NA | | X |
| 4291 | Golf (Boys and Girls) I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4292 | Golf (Girls and Boys) II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4293 | Golf (Girls and Boys) III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4294 | Golf (Girls and Boys) IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4311 | Swimming (Girls and Boys) I | 9 | X | | PES00000 | SubAth1 | NA | NA | 1 | X |
| 4312 | Swimming (Girls and Boys) II | 10 | | X | PES00001 | SubAth2 | NA | NA | 1 | X |
| 4313 | Swimming (Girls and Boys) III | 11 | | X | PES00002 | SubAth3 | NA | NA | 1 | X |
| 4314 | Swimming (Girls and Boys) IV | 12 | | X | PES00003 | SubAth4 | NA | NA | 1 | X |
| 4011 | Off campus PE | 9 | X | | PES00008 | SubPro1 | NA | NA | 1 | X |
| 4012 | <i>(NBISD Board of Trustees approval required.)</i> | 10 | | X | PES00009 | SubPro2 | | | | |
| 4013 | | 11 | | X | PES00010 | SubPro3 | | | | |
| 4014 | | 12 | | X | PES00011 | SubPro4 | | | | |

There are tryouts and/or meetings prior to each season.

Team members train to perform in UIL competition. Sports are open to all students, but the coach's approval is required.

Students wishing to participate/compete in only one sport will be placed in an athletics class for general training and conditioning during the off season.

GIRLS VOLLEYBALL

Grade Placement: 9 - 12

1 Credit

Prerequisite: Tryouts

Competition season is August – October.

GIRLS BASKETBALL

Grade Placement: 9 - 12

1 Credit

Prerequisite: Tryouts

Competition season is November – February.

GIRLS SOFTBALL

Grade Placement: 9 - 12

1 Credit

Prerequisite: Tryouts

Competition season is March – May.

GIRLS SOCCER

Grade Placement: 9 - 12

1 Credit

Prerequisite: Tryouts

Competition season is January – March.

GIRLS TRACK

Grade Placement: 9 - 12

1 Credit

Prerequisite: none

Competition season is February – April.

BOYS FOOTBALL

Grade Placement: 9 – 12

1 Credit

ATHLETICS

Prerequisite: Tryouts

Competition season is August – November.

BOYS BASKETBALL

Grade Placement: 9 – 12

1 Credit

Prerequisite: Tryouts

Competition season is November – February.

BOYS BASEBALL

Grade Placement: 9 – 12

1 Credit

Prerequisite: Tryouts

Competition season is March – May.

BOYS TRACK

Grade Placement: 9 – 12

1 Credit

Prerequisite: none

Competition season is February – April.

BOYS SOCCER

Grade Placement: 9 – 12

1 Credit

Prerequisite: Tryouts

Competition season is January – March.

BOYS WRESTLING

Grade Placement: 9 – 12

1 Credit

Prerequisite: Tryouts

Competition season is November – February.

CROSS COUNTRY (Boys and Girls)

Grade Placement: 9 – 12

1 Credit

Prerequisite: none

Competition season is August – November.

TENNIS (Boys and Girls)

Grade Placement: 9 – 12

1 Credit

Prerequisite: Tryouts

Competition season is year-round.

GOLF (Boys and Girls)

Grade Placement: 9 – 12

1 Credit

Prerequisite: Participation in New Braunfels Junior Championships (check with Coach for dates)

Competition season is year-round. This sport is not for beginners.

SWIMMING (Boys and Girls)

Grade Placement: 9 – 12

1 Credit

Prerequisite: Tryouts

Competition season is year-round. Generally, swimmers must be able to swim all four competitive strokes and swim a 50 yard freestyle in less than 35 seconds.

OFF CAMPUS P.E.

Grade Placement: 9 - 12

1 Credit

Prerequisite: none

The NBISD Board of Trustees must approve each option.

MILITARY SCIENCE

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 4813 | Military Science I (MCJROTC) | 9 – 12 | X | X | PES00004 | SUBJ1 | NA | 2 | 1 | X |
| 4843 | Military Science 2 (MCJROTC) | 10 – 12 | | X | 03160200 | Rotc 2 | NA | 2 | 1 | X |
| 4873 | Military Science 3 (MCJROTC) | 11 – 12 | | X | 03160300 | Rotc 3 | NA | 2 | 1 | X |
| 4883 | Military Science 4 (MCJROTC) | 12 | | X | 03160400 | Rotc 4 | NA | 2 | 1 | X |

MILITARY SCIENCE

The Military Science (MCJROTC) program of instruction, developed to implement Public Law 88-647, is designed expressly for young men and women in public and private institutions of secondary education. The focus of the program is upon the accomplishment of five (5) specific objectives:

- To develop informed and responsible citizens.
- To strengthen the character of the youths enrolled in the program.
- To promote an understanding of the basic elements and requirements for national security.
- To help form habits of self-discipline.
- To develop respect for and an understanding of the need for constituted authority in a democratic society.

It is intended that the student should master at least 70% of the material and demonstrate that competence by written, objective and performance testing geared to the learning objectives.

These courses fulfill the P.E. requirement for graduation.

MILITARY SCIENCE I (MCJROTC)

4813

Grade Placement: 9 – 12

1 Credit

Prerequisite: A MCJROTC Military Science I cadet must be: 1) physically fit; 2) a citizen or national of the United States or an alien admitted for permanent residence; 3) enrolled in and attending a regular course of instruction at New Braunfels High School.

First-year cadets study the requirements of being a good leader and follower. They study military organization, history, customs and courtesies, MCJROTC unit structure, and rank hierarchy. Cadets will spend no less than one day each week improving their physical fitness and learning basic military drill movements. They will also study the importance of community service and will have many opportunities to conduct practical application at public events. Instructors emphasize imposed discipline and willing obedience.

MILITARY SCIENCE II (MCJROTC)

4843

Grade Placement: 10 – 12

1 Credit

Prerequisite: A MCJROTC Military Science II cadet must have satisfactorily completed both semesters of Military Science I (or their equivalents in an Army, Navy, Marine Corps, Air Force or Coast Guard JROTC program) and meet the same prerequisites as indicated for a MCJROTC Military Science I cadet.

Second-year cadets study a more advanced level of leadership and the key elements of becoming an effective leader. The topics studied in their first year are re-emphasized and used as their foundation for continued leadership study. Each week will consist of one day dedicated to: academic study, physical fitness, military drill, and staff / unit work. Rifle safety and basic marksmanship is introduced to second-year cadets and will be taught one day each week as well. Community and school service opportunities will be available throughout the year, and will serve as practical application of leadership instruction taught in the classroom.

MILITARY SCIENCE

MILITARY SCIENCE III (MCJROTC)

4873

Grade Placement: 11 – 12

1 Credit

Prerequisite: A MCJROTC Military Science III Cadet must have satisfactorily completed both semesters of Military Science I and II (or their equivalents in an Army, Air Force, Navy, Marine Corps or Coast Guard JROTC program) and meet the same prerequisites as indicated for Military Science I and II cadets.

Third-year cadets continue to build on their experiences thus far in the program and become active teachers and leaders within their units. Third-year cadets will normally fill Staff Non-Commissioned Officer (SNCO) billets within the cadet battalion. They will assist the cadet battalion's officers, and in doing so, gain experience to prepare for their duties as fourth-year cadets filling officer billets within the battalion. Third-year cadets will focus their time on training the second-year cadets through practical application of leadership during formations, inspections, and basic drill. Weekly study will include a day of academics, physical fitness, individual / unit drill, marksmanship, and staff-work. Third-year cadets will begin to study the details of planning, coordinating and conducting special events and will then have the opportunity to see their plans come to life in real-world practical application.

MILITARY SCIENCE IV (MCJROTC)

4883

Grade Placement: 12

1 Credit

Prerequisite: A MCJROTC Military Science IV cadet must have satisfactorily completed both semesters of Military Science I, II, and III (or their equivalent in an Army, Air Force, Navy, Marine Corps or Coast Guard JROTC program) and meet the same prerequisites as indicated for Military Science I, II, and III cadets.

Fourth-year cadets will lead the day-to-day activities of the JROTC program under the guidance and supervision of the two adult Marine Instructors. Fourth-year cadets will fill the Officer and Senior Staff Non-Commissioned Officer billets within the cadet battalion and will focus their time on training the cadets in the unit, conducting administrative work associated with large units and organizations, and caring for the cadets junior to them. They will serve as the primary leaders of special events that were organized and planned by the battalion. Fourth-year cadets will also have time to work on their individual administrative requirements of preparing college and scholarship applications, job applications, cover letters, résumés or entrance exams for post high school education or employment. The adult instructors will give guidance and assistance as needed during this process.

LOCAL CREDIT COURSES

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|---------------------|--------------|-------|-----------------------|----|----------|------------|----------------|-----------------|---------|--------|
| | | | NGC | HS | | | | | | |
| Xxxx | Student Aide | 12 | | X | | | | | Local | X |
| Xxxx | Off Period | 12 | | X | | | | | Local | X |

STUDENT AIDE

XXXX

Grade Placement: 12

Prerequisite: Counselor approval and application.

Open to seniors to assist the office, counselors, or teachers.

OFF PERIOD

XXXX

Grade Placement: 12

Prerequisite: Counselor approval and application.

Open to seniors who have completed all other graduation requirements.

Local credit courses do not count as part of a student's graduation plan.

Section 3

Course Descriptions

Career and Technical Education (CTE):

Alamo Academies

Agriculture, Food, and Natural Resources

Arts, A/V Technology, and Communications

Business Management and Administration

Education and Training

Finance

Health Science

Human Services

Information Technology

Law, Public Safety, Corrections, and Security

Marketing

Science, Technology, Engineering, and Mathematics

Transportation, Distribution, and Logistics

CTE prepares students to excel in the planning and development of future career opportunities. NBISD will develop quality instructional partnerships with business and industry to prepare students for post-secondary education and a globally competitive workforce.

Student Course Selection

All students should choose their courses carefully in the spring. The Ninth Grade Center and High School determine which courses to offer by the number of student requests in the spring.

The master schedule and teacher assignments are also developed based on these student requests. The opportunities to change a class after the schedule has been set will be limited.

Course Locations

Some courses are only offered at the Ninth Grade Center or the High School Main Campus. Please look carefully when creating a four-year plan.

CTE: AGRICULTURE, FOOD, AND NATURAL RESOURCES

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|------------------------------------------------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6500 | Principles of Ag, Food and Natural Resources And Professional Communications | 9 | X | | 13000200 | PrinAFNR | NA | 1 | 1 | |
| 6560 | | | | | 13009900 | ProfComm | | | | |
| 6574 | Equine Science | 10 – 12 | | X | 13000500 | EquinSci | NA | 1 | .5 | |
| 6693 | Livestock Production | 10 – 12 | | X | 13000300 | LiveProd | NA | 1 | 1 | |
| 6520 | Small Animal Management | 10 – 12 | | X | 13000400 | SmAniMgt | NA | 1 | .5 | |
| 6521 | Veterinary Medical Applications | 11-12 | | X | 13000600 | VetMeDap | NA | 2 | 1 | X |
| 6530 | Advanced Animal Science | 11-12 | | X | 13000700 | AdvanSci | 6 | 2 | 1 | X |
| 6600 | Wildlife, Fisheries and Ecology Management | 10 – 12 | | X | 13001500 | WFEcgt | NA | 1 | 1 | |
| 6610 | Agriculture Mechanics and Metal Technologies | 10 – 12 | | X | 13002200 | AgMechMT | NA | 1 | 1 | X |
| 6620 | Agricultural Power Systems | 10 – 12 | | X | 13002400 | AgPowSys | NA | 1 | 2 | X |
| 6630 | Agricultural Structures Design and Fabrication | 11-12 | | X | 13002300 | AgFDFab | NA | 1 | 1 | X |
| 6501 | Floral Design | 10-12 | | X | 13001800 | PEFIDsn | NA | 1 | 1 | |
| 6633 | Horticulture Science | 10 – 12 | | X | 13002000 | HortiSci | NA | 1 | 1 | |
| 6650 | Advanced Plant and Soil Science | 11-12 | | X | 13002100 | AdvPSSci | 6 | 1 | 1 | X |
| 6663 | Practicum in Agriculture, Food and Natural Resources I | 11 – 12 | | X | 13002500 | PracAFNR | NA | 4 | 2 | X |

CTE: AGRICULTURE, FOOD, AND NATURAL RESOURCES

| | | | |
|------------------------------------------------------------------------------|--------------------|---------------------------|--------------------|
| ARICULTURE FOOD AND NATURAL RESOURCES and PROFESSIONAL COMMUNICATIONS | 6500 / 6560 | Grade Placement: 9 | 1.5 Credits |
|------------------------------------------------------------------------------|--------------------|---------------------------|--------------------|

Prerequisite: None

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization industry standards, details, practices, and expectations. Students will learn the history of FFA, Parliamentary Procedure, History of Agriculture, breeds of livestock, Plant and Soil Science and basic mechanics. Opportunities will be made available to introduce students to FFA. Membership and raising a project are not required, but recommended. Professional Communications blends written, oral, and graphic communication in a career-based environment. Careers in the global economy require individuals to be creative and have a strong and solid academic foundation, and a proficiency in professional oral and written communication. Within this context, students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research. **This course will provide and additional .5 credit to satisfy the Speech requirement for graduation.**

| | | | |
|-----------------------|-------------|-------------------------------|-----------------|
| EQUINE SCIENCE | 6574 | Grade Placement: 10-12 | 1 Credit |
|-----------------------|-------------|-------------------------------|-----------------|

The care and management of horses has developed into Equine Science, a multi-million dollar industry. The course will help the novice and the student who is already active in the horse industry to learn selection, nutrition, reproductive health, judging, and management of horses, donkeys or mules. Judging trips and tours are an integral and common part of the course.

| | | | |
|-----------------------------|-------------|-------------------------------|-----------------|
| LIVESTOCK PRODUCTION | 6693 | Grade Placement: 10-12 | 1 Credit |
|-----------------------------|-------------|-------------------------------|-----------------|

Students will learn about careers in the field of animal science. The primary animal species that will be studied in this course are beef, cattle, dairy cattle, swine, goats, and poultry.

| | | | |
|--------------------------------|-------------|-------------------------------|------------------|
| SMALL ANIMAL MANAGEMENT | 6520 | Grade Placement: 10-12 | .5 Credit |
|--------------------------------|-------------|-------------------------------|------------------|

This course will prepare students for careers in the field of animal science. Students need to acquire knowledge and skills related to animal systems and the workplace and develop knowledge and skills regarding career opportunities, and industry expectations. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats.

| | | | |
|----------------------------------------|-------------|-------------------------------|-----------------|
| VETERINARY MEDICAL APPLICATIONS | 6521 | Grade Placement: 11-12 | 1 Credit |
|----------------------------------------|-------------|-------------------------------|-----------------|

Prerequisite: Equine Science, Small Animal Management, or Livestock Production

Students shall be awarded one credit for successful completion of this course. Veterinary Medical Applications covers topics relating to veterinary practices, including practices for large and small animal species. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to animal systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

| | | | |
|--------------------------------|-------------|-------------------------------|-----------------|
| ADVANCED ANIMAL SCIENCE | 6530 | Grade Placement: 11-12 | 1 Credit |
|--------------------------------|-------------|-------------------------------|-----------------|

CTE: AGRICULTURE, FOOD, AND NATURAL RESOURCES

Prerequisite: Biology and Chemistry or IPC, Algebra I and Geometry, and either Small Animal Management, Equine Science or Livestock Production. To receive science credit students must meet the 40% laboratory and fieldwork.

This course will prepare students for careers in the field of animal science, students need to attain knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, and agricultural industry standards. This course examines the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. **Additional Science**

WILDLIFE, FISHERIES AND ECOLOGY MANAGEMENT

6600

Grade Placement: 10-12

1 Credit

A technical course designed to examine the importance of wildlife and outdoor recreation with emphasis on using wildlife and natural resources. Hunter safety certification is also taught in this class as well as wildlife identification for judging.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

6610

Grade Placement: 10 –12

1 Credit

Recommended Prerequisite: Principles of Agriculture Food and Natural Resources

This is a hands-on learning course that allows students to develop skills in metal-working, welding, tool use, and carpentry. Students will also be exposed to electricity, plumbing, and masonry. Once student skills are sharpened they will have the opportunity to plan and construct metal and wood projects. Students may gain certifications in carpentry, painting and welding.

AGRICULTURAL POWER SYSTEMS

6620

Grade Placement: 10-12

2 Credits

Recommended Prerequisite: Principles of Agriculture Food and Natural Resources

Agricultural Power Systems is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings.

AGRICULTURAL STRUCTURAL DESIGN AND FABRICATION

6630

Grade Placement: 11-12

1 Credit

Recommended Prerequisite: Agricultural Mechanics and Metal Technologies

In Agricultural Structures Design and Fabrication, students will explore career opportunities, entry requirements, and industry expectations. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural structures design and fabrication. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

FLORAL DESIGN

6501

Grade Placement: 10-12

1 Credit

Prerequisite: NA

CTE: AGRICULTURE, FOOD, AND NATURAL RESOURCES

Floral Design is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. To prepare for careers in floral design, students must attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. **This course satisfies the fine arts graduation requirement.**

HORTICULTURE SCIENCE

6633

Grade Placement: 10-12

1 Credit

This exploratory course is designed as an introduction to horticultural sciences with emphasis on technical skills and career opportunities, and certifications. Students will gain hands on experience working with plants.

ADVANCED PLANT AND SOIL SCIENCE

6650

Grade Placement: 11-12

1 Credit

Recommended Prerequisites: Biology, Integrated Physics and Chemistry, Chemistry, or Physics and a minimum of one credit from the courses in the Agriculture, Food, and Natural Resources Career Cluster.

Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement. Students shall be awarded one credit for successful completion of this course. Advanced Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. To prepare for careers in plant and soil science, students must attain academic skills and knowledge, acquire technical knowledge and skills related to plant and soil science and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. **Additional Science**

PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES I

6663

Grade Placement: 11-12

2 Credits

Recommended Prerequisite: A minimum of 1 credit in the Ag, Food, and Natural Resources career cluster

This course is designed to provide technical instruction, on-the-job training, and work experience for high school students preparing to enter employment in various occupations. Students in the Practicum course spend one hour in class each scheduled day of block schedule to receive instruction in the occupations for which they are training and two or more consecutive hours each school day at training stations in order to learn the occupations. Training stations include the areas of: leadership development, mechanized agriculture, food and fiber production, value added and food processing, horticulture, agribusiness marketing and management, environmental and natural resources, agriculture/agribusiness, etc. Local businesses in the community are cooperating with the local school district in training students by providing work experience necessary to become valuable employees.

CTE: ARTS, AV TECHNOLOGY, AND COMMUNICATION

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|-------------------------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 5190 | Principles of Arts, AV Technology, and Communications | 9 | X | | 13008200 | PrinAAVTC | NA | 1 | 1 | |
| 5143 | Digital Media | 10 -12 | | X | 13027800 | DiMedia | NA | 1 | 1 | |
| 5191 | Audio/Video Production I | 10 – 12 | | X | 13008500 | AVProd1 | NA | 2 | 1 | X |
| 5194 | Audio/Video Production II and lab | 11 – 12 | | X | 13008610 | AVPLAB2 | NA | 3 | 2 | X |
| 5195 | Practicum in Audio/Video Productions | 12 | | X | 13008700 | PracAVP1 | NA | 4 | 2 | X |
| 5203 | Animation I | 10 – 12 | | X | 13008300 | Animat1 | NA | 2 | 1 | X |
| 5206 | Animation II | 11 – 12 | | X | 13008400 | Animat2 | NA | 3 | 1 | X |
| 5207 | Practicum in Animation | 11-12 | | X | 13008450 | PracAni1 | NA | 4 | 2 | X |
| 5233 | Graphic Design and Illustration I | 10 – 12 | | X | 13008800 | GraphDI1 | NA | 2 | 1 | X |
| 5234 | Graphic Design and Illustration II | 10 – 12 | | X | 13008900 | GraphDI2 | NA | 3 | 1 | X |
| 5235 | Practicum in Graphic Design and Illustration | 12 | | X | 13009000 | PracGrDI | NA | 4 | 2 | X |
| 5540 | Commercial Photography I | 10 – 12 | | X | 13009100 | CPhoto1 | NA | 2 | 1 | X |
| 5550 | Commercial Photography II | 10 – 12 | | X | 13009200 | CPhoto2 | NA | 3 | 1 | X |
| 5551 | Practicum in Commercial Photography | 11 – 12 | | X | 13009250 | PracCPh1 | NA | 4 | 2 | X |

PRINCIPLES OF ARTS, AV TECHNOLOGY, AND COMMUNICATIONS

5190

Grade Placement: 9

1 Credit

Prerequisite: none

This course is an exploratory course that allows students to learn about the careers within the arts, audio/video technology, and communication industry. Students will be allowed to work on projects in all of the areas of the specific industry.

DIGITAL MEDIA

5143

Grade Placement 10-12

1 Credit

Prerequisite: none

In Digital Media, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students will implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students will enhance reading, writing, computing, communication, and critical thinking and apply them to the IT environment. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

AUDIO/VIDEO PRODUCTION I

5191

Grade Placement: 10-12

1 Credit

CTE: ARTS, AV TECHNOLOGY, AND COMMUNICATION

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

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video products. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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|------------------------------------------|-------------|-------------------------------|------------------|
| AUDIO/VIDEO PRODUCTION II and LAB | 5194 | Grade Placement: 11-12 | 2 Credits |
|------------------------------------------|-------------|-------------------------------|------------------|

Prerequisite: Audio/Video Production I

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Building upon the concepts taught in Audio/Video Production, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production products. This course may be implemented in an audio format or a format with both audio and video. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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|---------------------------------------------|-------------|----------------------------|------------------|
| PRACTICUM IN AUDIO/VIDEO PRODUCTIONS | 5195 | Grade Placement: 12 | 2 Credits |
|---------------------------------------------|-------------|----------------------------|------------------|

Prerequisite: Audio/Video Production II

Careers in audio and video technology and film production span all aspects of the audio/video communications industry. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications career cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production audio and video activities in a studio environment. This course may be implemented in an advanced audio, video, or animation format. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities.

| | | | |
|--------------------|-------------|-------------------------------|-----------------|
| ANIMATION I | 5203 | Grade Placement: 10-12 | 1 Credit |
|--------------------|-------------|-------------------------------|-----------------|

Recommended prerequisite: Art I or Principles of Art, Audio/Video Technology, and Communications.

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the history and techniques of the animation industry. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

| | | | |
|---------------------|-------------|------------------------------|------------------|
| ANIMATION II | 5206 | Grade Placement 11-12 | 1 Credits |
|---------------------|-------------|------------------------------|------------------|

Prerequisite: Animation I

Careers in animation span all aspects of motion graphics. Within this context, in addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to create two- and three-dimensional animations. The instruction also assists students seeking careers in the animation industry. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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|-------------------------------|-------------|------------------------------|------------------|
| PRACTICUM IN ANIMATION | 5207 | Grade Placement 11-12 | 2 Credits |
|-------------------------------|-------------|------------------------------|------------------|

Prerequisite: Animation II

CTE: ARTS, AV TECHNOLOGY, AND COMMUNICATION

A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Careers in animation span all aspects of the arts, audio/video technology, and communications industry. Building upon the concepts taught in Animation II, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment. Instruction may be delivered through lab-based classroom experiences or career preparation opportunities. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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|------------------------------------------|-------------|-------------------------------|-----------------|
| GRAPHIC DESIGN AND ILLUSTRATION I | 5233 | Grade Placement: 10-12 | 1 Credit |
|------------------------------------------|-------------|-------------------------------|-----------------|

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

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

| | | | |
|-------------------------------------------|-------------|-------------------------------|------------------|
| GRAPHIC DESIGN AND ILLUSTRATION II | 5234 | Grade Placement: 10-12 | 1 Credits |
|-------------------------------------------|-------------|-------------------------------|------------------|

Prerequisite: Graphic Design and Illustration I

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced understanding of the industry with a focus on mastery of content knowledge and skills. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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|-----------------------------------------------------|-------------|----------------------------|------------------|
| PRACTICUM IN GRAPHIC DESIGN AND ILLUSTRATION | 5235 | Grade Placement: 12 | 2 Credits |
|-----------------------------------------------------|-------------|----------------------------|------------------|

Prerequisite: Graphic Design and Illustration II

This course will focus on higher level design skills used in the graphic design industry, with emphasis on design principles and composition. This is a project driven course in which students will compile a digital portfolio to document work experiences, licenses, certifications and work samples.

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|---------------------------------|-------------|-------------------------------|-----------------|
| COMMERCIAL PHOTOGRAPHY I | 5540 | Grade Placement: 10-12 | 1 Credit |
|---------------------------------|-------------|-------------------------------|-----------------|

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

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

CTE: ARTS, AV TECHNOLOGY, AND COMMUNICATION

are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

COMMERCIAL PHOTOGRAPHY II

5550

Grade Placement: 10-12

1 Credits

Recommended Prerequisite: Commercial Photography I

Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

PRACTICUM IN COMMERCIAL PHOTOGRAPHY

5551

Grade Placement: 11-12

2 Credits

Prerequisite: Commercial Photography I

A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Careers in commercial photography span all aspects of the industry from setting up a shot to delivering products in a competitive market. In addition to developing advanced technical knowledge and skills needed for success in the Arts, Audio/Video Technology, and Communications Career Cluster, students will be expected to develop an advanced technical understanding of the commercial photography industry with a focus on producing, promoting, and presenting professional quality photographs. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

**CTE: BUSINESS MANAGEMENT AND ADMINISTRATION,
FINANCE, & MARKETING**

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Point s | Course Level | Credits | Prereq |
|----------------------------|---------------------------------------------------|---------|-----------------------|----|----------|------------|--------------------|-----------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 5080 | Principles of Business, Marketing, and Finance | 9 | X | | 13011200 | PrinBMF | NA | 1 | 1 | |
| BUSINESS MANAGEMENT | | | | | | | | | | |
| 6023 | Business Information Management I | 10 – 12 | | X | 13011400 | BusIM1 | NA | 2 | 1 | |
| 6033 | Business Information Management II | 10 – 12 | | X | 13011500 | BusIM2 | NA | 2 | 1 | X |
| 6045 | Global Business | 10 – 12 | | X | 13011800 | GLOBBUS | NA | 2 | .5 | |
| 6050 | Human Resources Management | 11 – 12 | | X | 13011900 | HRMGT | NA | 2 | .5 | |
| 6083 | Practicum in Business Management | 12 | | X | 13012200 | PracBM | NA | 4 | 2 | X |
| FINANCE | | | | | | | | | | |
| 5113 | Accounting I | 10 – 12 | | X | 13016600 | Account1 | NA | 2 | 1 | X |
| 5123 | Accounting II | 11 – 12 | | X | 13016700 | Account2 | 6 | 3 | 1 | X |
| 5103 | Statistics and Business Decision Making | 11 – 12 | | X | 13016900 | StatsBDM | 6 | 3 | 1 | X |
| MARKETING | | | | | | | | | | |
| 5093 | Entrepreneurship | 10 – 12 | | X | 13034400 | Entrep | NA | 2 | 1 | X |
| 6205 | Advertising | 10 – 12 | | X | 13034200 | Advertis | NA | 2 | .5 | X |
| 6220 | Social Media Marketing | 10 – 12 | | X | 13034650 | SMedMktg | NA | 2 | .5 | X |
| 6242 | Advanced Marketing | 11 – 12 | | X | 13034700 | MktgDyn | NA | 4 | 2 | X |
| 6243 | Practicum in Marketing | 11 – 12 | | X | 13034800 | PRACMKT1 | NA | 4 | 2 | X |

**CTE: BUSINESS MANAGEMENT AND ADMINISTRATION,
FINANCE, & MARKETING**

PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE **5080** **Grade Placement: 9** **1 Credit**

Prerequisite: none

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, focusing on creating word processing documents, developing spreadsheets, formulating databases, and making electronic presentations using appropriate software. This course allows students to reinforce, apply and transfer academic knowledge and skills to a variety of relevant problems and settings in business, marketing and finance.

BUSINESS INFORMATION MANAGEMENT I **6023** **Grade Placement: 10-12** **1 Credit**

Recommended prerequisite: Principles of Business, Marketing, and Finance

In Business Information Management I, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

BUSINESS INFORMATION MANAGEMENT II **6033** **Grade Placement: 10-12** **1 Credit**

Prerequisite: Business Information Management I recommended

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emergency technologies, create complex word processing documents, develop sophisticated spreadsheets using charts and graphs, and make an electronic presentation using appropriate multimedia software.

GLOBAL BUSINESS **6045** **Grade Placement: 10-12** **.5 Credit**

Global Business is designed for students to analyze global trade theories, international monetary systems, trade policies, politics, and laws relating to global business as well as cultural issues, logistics, and international human resource management.

HUMAN RESOURCES MANAGEMENT **6050** **Grade Placement: 11-12** **.5 Credit**

Human Resources Management is designed to familiarize students with the concepts related to human resources management, including legal requirements, recruitment and employee selection methods, and employee development and evaluation. Students will also become familiar with compensation and benefits programs as well as workplace safety, employee-management relations, and global impacts on human resources.

**CTE: BUSINESS MANAGEMENT AND ADMINISTRATION,
FINANCE, & MARKETING**

**PRACTICUM IN BUSINESS
MANAGEMENT**

6083

Grade Placement: 12

2 Credits

Recommended Prerequisite: Business Management or Business Information Management II

Practicum in Business Management is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences occur in a paid or unpaid arrangement and a variety of locations appropriate to the nature and level of experience. Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and to make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

ACCOUNTING I

5113

Grade Placement: 10-12

1 Credit

Recommended Prerequisite: Principles of Business, Marketing and Finance

Students investigate the field of accounting, how it is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students reflect on this knowledge as they engage in the process of recording, classifying, summarizing, analyzing and communicating accounting information. Students formulate and interpret financial information for use in management decision-making.

ACCOUNTING II

5123

Grade Placement: 11-12

1 Credit

Prerequisite: Accounting I

Students continue the investigation of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal, and ethical factors. Students reflect on this knowledge as they engage in various managerial and cost accounting activities. Students formulate and interpret financial information for use in management decision-making. **ADDITIONAL MATHEMATICS**

**STATISTICS & BUSINESS DECISION
MAKING**

5103

Grade Placement: 11-12

1 Credit

Prerequisite: Algebra II

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 are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. **ADDITIONAL MATHEMATICS**

ENTREPRENEURSHIP

5093

Grade Placement: 10-12

1 Credit

CTE: BUSINESS MANAGEMENT AND ADMINISTRATION, FINANCE, & MARKETING

Recommended prerequisite: Principles of Business, Marketing, and Finance

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

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| ADVERTISING | 6205 | Grade Placement: 10-12 | .5 Credit |
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Recommended prerequisite: Principles of Business, Marketing, and Finance.

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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| SOCIAL MEDIA MARKETING | 6220 | Grade Placement: 10-12 | .5 Credit |
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Recommended prerequisite: Principles of Business, Marketing, and Finance.

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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| ADVANCED MARKETING | 6242 | Grade Placement: 11-12 | 2 Credits |
|---------------------------|-------------|-------------------------------|------------------|

Prerequisite: one credit from the courses in the Marketing Career Cluster. Recommended prerequisite: Practicum in Marketing

In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems related to marketing. This course covers technology, communication, and customer-service skills. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

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| PRACTICUM IN MARKETING | 6243 | Grade Placement: 11-12 | 2 Credits |
|-------------------------------|-------------|-------------------------------|------------------|

Recommended Prerequisite: Principles of Business, Marketing, and Finance

A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Practicum in Marketing is a series of dynamic activities that focus on the customer to generate a profitable exchange. Students will gain knowledge and skills that help them to be proficient in one or more of the marketing functional areas associated with distribution, financing, marketing information management, pricing, product planning, promotion, purchasing, risk management, and selling skills. Students will integrate skills from academic subjects,

**CTE: BUSINESS MANAGEMENT AND ADMINISTRATION,
FINANCE, & MARKETING**

information technology, interpersonal communication, and management training to make responsible decisions. The practicum course is a paid or unpaid experience for students participating in a coherent sequence of career and technical courses in marketing. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

CTE: EDUCATION AND TRAINING

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6126 | Principles of Education and Training | 9 | X | | 13014200 | PrinEdTr | NA | 1 | 1 | |
| 6125 | Principles of Human Service | 9 | X | | 13024200 | PrinHuSr | NS | 1 | 1 | |
| 6128 | Human Growth and Development | 10 – 12 | | X | 13014300 | HuGrDev | NA | 2 | 1 | X |
| 6450 | Child Guidance | 10-12 | | X | 1348000 | ChildGul | NA | 2 | 1 | X |
| 6463 | Instructional Practices | 11 – 12 | | X | 13014400 | InPrac | NA | 3 | 2 | X |
| 6483 | Practicum in Education and Training | 12 | | X | 13014500 | PracEdTr1 | NA | 4 | 2 | X |

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| PRINCIPLES OF EDUCATION AND TRAINING | 6126 | Grade Placement: 9 | 1 Credit |
| PRINCIPLES OF HUMAN SERVICE | 6125 | | 1 Credit |

Prerequisite: none

Designed to introduce students to foundational components of careers in public service, these two courses are combined into a one-year course. Students will participate in both courses, one each semester, with the potential of earning a full 1.0 credit each semester. This enables students to earn a total of 2.0 credits for successful completion of the entire year.

Principles of Education and Training will introduce learners to the various careers available within the education and training career cluster. Students will gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster and use self-knowledge and educational and career information to analyze those careers.

Principles of Human Services will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

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| HUMAN GROWTH AND DEVELOPMENT | 6128 | Grade Placement: 10-12 | 1 Credit |
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Recommended prerequisite: Principles of Education and Training is recommended

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

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| CHILD GUIDANCE | 6450 | Grade Placement: 10-12 | 1 Credit |
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Recommended prerequisite: Principles of Human Service

CTE: EDUCATION AND TRAINING

This technical laboratory course addresses the knowledge and skills related to child growth and guidance equipping students to develop positive relationships with children and effective caregiver skills. Students use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children, including those with special needs.

| INSTRUCTIONAL PRACTICES | 6463 | Grade Placement: 11-12 | 2 Credit |
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Recommended prerequisites: Principles of Education and Training and Human Growth and Development
Instructional Practices is a field-based (practicum) internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood, middle childhood, and adolescence education and exemplary educators or trainers in direct instructional roles with elementary-, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

| PRACTICUM IN EDUCATION AND TRAINING | 6483 | Grade Placement: 12 | 2 Credits |
|--------------------------------------------|-------------|----------------------------|------------------|
|--------------------------------------------|-------------|----------------------------|------------------|

Prerequisite: Principles of Education and Training or Human Growth and Development, Instructional Practices in Education and Training

This is an advanced field-based internship that provides students with background knowledge of child and adolescent development, as well as principles of effective teaching and training practices. Students undertake course work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators working in school settings.

CTE: HEALTH SCIENCE

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|---------------------|---------------------------------------------------------------------------------|---------|-----------------------|----|----------|------------|----------------|-----------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6123 | Principles of Health Science | 9 | X | | 13020200 | PrinHISc | NA | 1 | 1 | |
| 6134 | Health Science Theory | 10-12 | | X | 13020400 | HlthSci | NA | 2 | 1 | X |
| 6110 | Medical Terminology | 10 – 12 | | X | 13020300 | Medterm | NA | 2 | 1 | |
| 6111 | Medical Terminology Dual Credit (2 nd Semester of 6110 course) | 10 – 12 | | X | 13020300 | Medterm | 8 | 4 | .5 | X |
| 6112 | Pathophysiology | 10 – 12 | | X | 13020800 | Patho | 6 | 3 | 1 | X |
| 6115 | Medical Microbiology | 10 – 12 | | X | 13020700 | Micro | 6 | 3 | 1 | X |
| 3673 | Anatomy and Physiology | 10 – 12 | | X | 13020600 | AnatPhys | 6 | 3 | 1 | X |
| 6143 | Practicum: Health Science Career Shadowing | 11 – 12 | | X | 13020500 | PracHIS1 | NA | 4 | 2 | X |
| 6193 | Practicum in Health Science Clinical | 11 – 12 | | X | 13020510 | PracHLS2 | NA | 4 | 2 | X |
| 6116 | Pharmacology | 12 | | X | 13020950 | Pharmac | NA | 4 | 1 | X |

PRINCIPLES OF HEALTH SCIENCE

6123

Grade Placement: 9

1 Credit

Prerequisite: none

Investigate medical careers! This course is designed to provide an opportunity for understanding the concepts and skills necessary for entering the health care field. Essential elements included in this course are current events in health care, medical terminology, anatomy and physiology, human growth and development, CPR, first aid, basic concepts of illness and wellness, medical communications skills, and interpersonal relationships. **This course will also complete the Health requirement if needed for graduation.**

HEALTH SCIENCE THEORY

6134

Grade Placement: 10-12

1 Credits

Prerequisites: Biology

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations. **This course will also complete the Health requirement if needed for graduation.**

CTE: HEALTH SCIENCE

| | | | |
|----------------------------|-------------|-------------------------------|-----------------|
| MEDICAL TERMINOLOGY | 6110 | Grade Placement: 10-12 | 1 Credit |
|----------------------------|-------------|-------------------------------|-----------------|

Prerequisite: none

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

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|--------------------------------------------|-------------|-------------------------------|------------------|
| MEDICAL TERMINOLOGY DUAL ENROLLMENT | 6111 | Grade Placement: 10-12 | .5 Credit |
|--------------------------------------------|-------------|-------------------------------|------------------|

Prerequisite: none

Second Semester Dual Enrollment of course 6110: See counselor for Alamo Colleges application and acceptance deadlines.

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

| | | | |
|---------------------------------|-------------|-------------------------------|-----------------|
| ANATOMY & PHYSIOLOGY | 3673 | Grade Placement: 10-12 | 1 Credit |
|---------------------------------|-------------|-------------------------------|-----------------|

Prerequisite: Biology and second Science Credit

The Anatomy and Physiology course 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 Anatomy and Physiology will study a variety of topics, including the structure and function of the human body and the interaction of body systems for maintaining homeostasis. Students are encouraged to participate in extended learning experiences such as HOSA student organization. **Additional Science**

| | | | |
|------------------------|-------------|-------------------------------|-----------------|
| PATHOPHYSIOLOGY | 6112 | Grade Placement: 10-12 | 1 Credit |
|------------------------|-------------|-------------------------------|-----------------|

Prerequisites: Biology and Chemistry. Recommended prerequisite: course from the Health Science Career Cluster
The Pathophysiology course is designed for student 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. Students are encouraged to participate in extended learning experiences such as HOSA student organization.

Additional Science

| | | | |
|-----------------------------|-------------|-------------------------------|-----------------|
| MEDICAL MICROBIOLOGY | 6115 | Grade Placement: 10-12 | 1 Credit |
|-----------------------------|-------------|-------------------------------|-----------------|

Prerequisite: Biology and Chemistry

The Medical Microbiology course is designed to explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students are encouraged to participate in extended learning experiences such as HOSA student organization. **Additional Science**

| | | | |
|-----------------------------------------------------------|-------------|-------------------------------|------------------|
| PRACTICUM IN HEALTH SCIENCE (Career Shadowing) | 6143 | Grade Placement: 11-12 | 2 Credits |
|-----------------------------------------------------------|-------------|-------------------------------|------------------|

Prerequisite: Health Science Theory, Biology

CTE: HEALTH SCIENCE

Many medical specialties require shadowing hours (that may be obtained in this course) in order to apply for post graduate programs, such as Medical, Veterinary, Pharmacy, Physical Therapy schools and more. Students will have practical experiences for continued knowledge and skill development as well as unique community service hours. They will observe and interact with health care professionals at Christus Santa Rosa Hospital and throughout our community on a weekly basis. Students may elect to go to a veterinarian office, rehabilitation center, dental or doctor clinics, lab, x-ray, and intensive care units. Certification opportunities in CPR, First Aid, and OSHA Medical Safety are available during the year. This course provides unique learning experiences for the motivated student.

This course is double blocked.

| | | | |
|---------------------------------------------|-------------|-------------------------------|-----------------|
| PRACTICUM IN HEALTH SCIENCE CLINICAL | 6193 | Grade Placement: 11-12 | 2 Credit |
|---------------------------------------------|-------------|-------------------------------|-----------------|

Prerequisite: Health Science Theory, Biology

This course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers in clinical settings. Successful completion of this course will assist the student in preparing for industry certifications in areas such as Certified Medical Assistant and Phlebotomy. This course is double blocked for a full year. Fees may be associated with this course for items such as scrubs.

| | | | |
|---------------------|-------------|----------------------------|------------------|
| PHARMACOLOGY | 6116 | Grade Placement: 12 | 1 Credits |
|---------------------|-------------|----------------------------|------------------|

Prerequisites: Biology and Chemistry. Recommended prerequisite: a course from the Health Science Career Cluster. The Pharmacology course is designed to study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers. Students may take the Pharmacy Technician certification exam when eligible.

CTE: HUMAN SERVICES

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|-----------------------------------------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6126 | Principles of Education and Training and Principles of Human Services | 9 | X | | 13014200 | PrinEdTr | NA | 1 | 1 | |
| 6125 | | 9 | X | | 13024200 | PrinHuSr | NA | 1 | 1 | |
| 6470 | Lifetime Nutrition and Wellness | 10 – 12 | | X | 13024500 | LNurtWel | NA | 2 | .5 | |
| 6410 | Family and Community Services | 10-12 | | X | 13024900 | FamCoSrv | NA | 2 | 1 | X |
| 6440 | Child Development | 10 – 12 | | X | 13024700 | ChildDev | NA | 2 | 1 | |
| 6128 | Human Growth and Development | 10 – 12 | | X | 13014300 | HuGrDev | NA | 2 | 1 | X |
| 6130 | Counseling and Mental Health | 11 – 12 | | X | 13024600 | CounsMH | NA | 2 | 1 | X |
| 6471 | Practicum in Human Services | 11 – 12 | | X | 13025000 | PracHuS1 | NA | 4 | 2 | X |

PRINCIPLES OF EDUCATION AND TRAINING

6126

Grade Placement: 9

1 Credit

PRINCIPLES OF HUMAN SERVICES

6125

1 Credit

Prerequisite: none

Designed to introduce students to foundational components of careers in public service, these two courses are combined into a one-year course. Students will participate in both courses, one each semester, with the potential of earning a full 1.0 credit each semester. This enables students to earn a total of 2.0 credits for successful completion of the entire year.

Principles of Education and Training will introduce learners to the various careers available within the education and training career cluster. Students will gain an understanding of the basic knowledge and skills essential to careers within the education and training career cluster and use self-knowledge and educational and career information to analyze those careers.

Principles of Human Services will enable students to investigate careers in the human services career cluster, including counseling and mental health, early childhood development, family and community, and personal care services. Each student is expected to complete the knowledge and skills essential for success in high-skill, high-wage, or high-demand human services careers. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CTE: HUMAN SERVICES

| | | | |
|----------------------------------------|-------------|-------------------------------|------------------|
| LIFETIME NUTRITION AND WELLNESS | 6470 | Grade Placement: 10-12 | .5 Credit |
|----------------------------------------|-------------|-------------------------------|------------------|

Recommended prerequisite: Principles of Human Services or Principles of Health Science.

Lifetime Nutrition and Wellness is a laboratory course that allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

| | | | |
|--------------------------------------|-------------|-------------------------------|-----------------|
| FAMILY AND COMMUNITY SERVICES | 6410 | Grade Placement: 10-12 | 1 Credit |
|--------------------------------------|-------------|-------------------------------|-----------------|

Recommended prerequisite: Principles of Human Services, Principles of Health Science, or Principles of Education and Training.

Family and Community Services is a laboratory-based course designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

| | | | |
|--------------------------|-------------|---------------------------------|-----------------|
| CHILD DEVELOPMENT | 6440 | Grade Placement: 10 - 12 | 1 Credit |
|--------------------------|-------------|---------------------------------|-----------------|

Prerequisite: Principles of Human Services

This technical laboratory course addresses knowledge and skills related to child growth and development for prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

| | | | |
|-------------------------------------|-------------|---------------------------------|-----------------|
| HUMAN GROWTH AND DEVELOPMENT | 6128 | Grade Placement: 10 - 12 | 1 Credit |
|-------------------------------------|-------------|---------------------------------|-----------------|

Prerequisite: Principles of Human Services or Principles of Education and Training recommended

Human Growth and Development is an examination of human development across the lifespan with emphasis upon research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

| | | | |
|-------------------------------------|-------------|---------------------------------|-----------------|
| COUNSELING AND MENTAL HEALTH | 6130 | Grade Placement: 10 - 12 | 1 Credit |
|-------------------------------------|-------------|---------------------------------|-----------------|

Prerequisite: Principles of Human Services recommended

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

| | | | |
|------------------------------------|-------------|---------------------------------|------------------|
| PRACTICUM IN HUMAN SERVICES | 6471 | Grade Placement: 11 - 12 | 2 Credits |
|------------------------------------|-------------|---------------------------------|------------------|

Prerequisite: At least one course other course from the Human Services cluster.

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of CTE courses in the Human Services cluster.

CTE: INFORMATION TECHNOLOGY

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|--------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6035 | Principles of Information Technology | 9 | X | | 13027200 | PrinIT | NA | 1 | 1 | |
| 5176 | Computer Science I | 10 – 12 | | X | 03580200 | TACS1 | NA | 2 | 1 | X |
| 5162 | Web Design | 10 – 12 | | X | 03580820 | TAWEBDN | NA | 2 | 1 | |
| 5202 | Networking | 10 – 12 | | X | 13027400 | Netwrk | NA | 2 | 1 | |
| 5174 | AP Computer Science A | 10-12 | | X | A3580110 | APTACSAM | 8 | 4 | 1 | X |
| 5175 | Math Credit LOTE Credit | | | | A3580120 | APTACSAL | 8 | 4 | 1 | X |
| 5169 | AP Computer Science Principles | 10 – 12 | | X | A3580300 | APCSPrin | 8 | 4 | 1 | X |
| 5611 | Practicum in Information Technology | 12 | | X | 13028000 | PracIT1 | NA | 4 | 2 | X |

PRINCIPLES OF INFORMATION TECHNOLOGY

6035

Grade Placement: 9

1 Credit

Prerequisite: none

Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment.

COMPUTER SCIENCE I

5176

Grade Placement: 10-12

1 Credit

Prerequisites: Algebra I

Computer Science I will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. By using computer science knowledge and skills that support the work of individuals and groups in solving problems, students will select the technology appropriate for the task, synthesize knowledge, create solutions, and evaluate the results. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of the principles of computer science through the study of technology operations, systems, and concepts. The six strands include creativity and innovation; communication and collaboration; research and information fluency; critical thinking; problem solving, and decision making; digital citizenship; and technology operations and concepts.

WEB DESIGN

5162

Grade Placement: 10-12

1 Credit

Prerequisite: none

Through the study of web technologies and design, students learn to make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment.

NETWORKING

5202

Grade Placement: 10-12

1 Credit

CTE: INFORMATION TECHNOLOGY

Recommended Prerequisite: Principles of Information Technology

Networking is an industry standard course that measures the technical knowledge of networking for anyone desiring the area of network repair and technical support. Students will develop knowledge of the concepts and skills related networking technologies and practices in order to apply them to personal or career development. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership extracurricular organizations.

AP COMPUTER SCIENCE A

5174/5175

Grade Placement: 10-12

2 Credit

Prerequisite: Algebra I

AP Computer A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computer systems. The course emphasizes object-oriented programming and design using the Java programming language. **Math and LOTE credit.**

AP COMPUTER SCIENCE PRINCIPLES

5169

Grade Placement: 10 -12

1 Credit

Prerequisite: Algebra I

The AP Computer Science Principles course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

PRACTICUM IN INFORMATION TECHNOLOGY

5611

Grade Placement: 12

2 Credit

Prerequisite: a minimum of two high school information technology (IT) courses.

Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. Critical thinking, IT experience, and product development may be conducted in a classroom setting with an industry mentor, as an unpaid or paid internship, as part of a capstone project, or as career preparation. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

CTE: LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|---------------------|------------------------------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6150 | Principles of Law, Public Safety, Corrections, & Security | 9 | X | | 13029200 | PrinLPCS | NA | 1 | 1 | |
| 6153 | Law Enforcement I | 10 – 12 | | X | 13029300 | LawEnf1 | NA | 2 | 1 | X |
| 6163 | Law Enforcement II | 11 – 12 | | X | 13029400 | LawEnf2 | NA | 3 | 1 | X |
| 6173 | Correctional Services | 10-12 | | X | 13029700 | CorrSrvs | NA | 2 | 1 | X |
| 6165 | Forensic Science | 11 – 12 | | X | 13029500 | ForenSci | 6 | 3 | 1 | X |
| 6174 | Practicum in Law, Public Safety, Corrections, and Security | 11-12 | | X | 13030100 | PracLPS1 | NA | 4 | 2 | X |

PRINCIPLES OF LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

6150

Grade Placement: 9

1 Credit

Prerequisite: none

Principles of Law, Public Safety, Corrections, and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and protective agencies of fire and emergency services. The course provides students with an overview of the skills necessary for careers in law enforcement, fire service, security, and corrections.

LAW ENFORCEMENT I

6153

Grade Placement: 10-12

1 Credit

Prerequisite: none

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

LAW ENFORCEMENT II

6163

Grade Placement: 11-12

1 Credit

Recommended Prerequisite: Law Enforcement I

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes the ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony.

CORRECTIONAL SERVICES

6173

Grade Placement: 10-12

1 Credit

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

In Correctional Services, students prepare for certification required for employment as a municipal, county, state, or federal correctional officer. Students will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. Students will analyze rehabilitation and alternatives to institutionalization for inmates. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

FORENSIC SCIENCE

6165

Grade Placement: 11-12

1 Credit

CTE: LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

Prerequisites: Biology and Chemistry. Recommended Prerequisite – Any Law, Public Safety, Corrections and Security Career cluster course

Forensic Science is a 40% lab course that uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide, and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will collect and analyze evidence through case studies and simulated crime scenes such as fingerprint analysis, ballistics, and blood spatter analysis. Students will learn the history, legal aspects, and career options for forensic science. **Additional Science**

PRACTICUM IN LAW, PUBLIC SAFETY, CORRECTIONS AND SAFETY

6174

Grade Placement: 11-12

2 Credit

Prerequisite: Coherent sequence of CTE courses

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Law, Public Safety, Corrections, and Security Career Cluster. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. The practicum course is designed to give students supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience and will require students to provide their own transportation to practicum sites.

ADVANCED MANUFACTURING

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|---------------------|----------------------------------------|--------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 5600 | Principles of Applied Engineering | 9 | X | | 13036200 | PrAppEng | NA | 1 | 1 | |
| 5612 | Robotics I | 10 | | X | 13037000 | Robotic1 | NA | 2 | 1 | X |
| 5613 | Robotics II | 10-12 | | X | 13037050 | Robotic2 | 6 | 3 | 1 | X |
| 5615 | Engineering Design and Problem Solving | 11 -12 | | X | 13037300 | ENGDPRS | 6 | 4 | 1 | X |

PRINCIPLES OF APPLIED ENGINEERING

5600

Grade Placement: 9

1 Credit

Prerequisite: None

Principles of Applied Engineering provide an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments. Students are encouraged to participate in extended learning experiences such as CTE organizations and other leadership or extracurricular organizations.

ROBOTICS I

5612

Grade Placement: 10

1 Credit

Prerequisite: Principles of Applied Engineering

In Robotics I, students will transfer academic skills to component designs in a project-based environment through implementation of the design process. Students will build prototypes or use simulation software to test their designs. Additionally, students will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Students are encouraged to participate in extended learning experiences such as CTE organizations and other leadership or extracurricular organizations.

ROBOTICS II

5613

Grade Placement: 10-12

1 Credit

Prerequisite: Robotics I

In Robotics II, students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs. Students are encouraged to participate in extended learning experiences such as CTE organizations and other leadership or extracurricular organizations. **Additional Mathematics**

ENGINEERING DESIGN AND PROBLEM SOLVING

5615

Grade Placement: 11-12

1 Credit

ADVANCED MANUFACTURING

Prerequisite: Algebra I, Geometry, two STEM Career Cluster credits

This course follows the Engineer Your World engineering curriculum written for students who want to engage in authentic engineering practices in a project-based learning (PBL) environment. Learning is scaffolded over a series of engaging and socially relevant explorations and design challenges. Students will apply critical thinking skills to justify a solution from multiple design options. The curriculum focuses on creating a 1) narrative of engineering, 2) building engineering design skills, 3) developing engineering habits of mind, and 4) introducing engineering fields and professions. Students will have the opportunity to participate in dual enrollment for this course. Students can dual enroll at UT Austin in ES 301 (Engineering Design and Problem Solving) or at UT San Antonio in EFT 1003 (Engineering Design and Problem Solving). (Course tuition fee will apply if a student wishes to pursue this option.) Students enrolled in either ES 301 or EGR 1003 experience the difference between high school and college-level performance expectations for the same course. Dual enrollment provides a low-risk environment, as they will have the opportunity to accept or decline the college credit if he/she meets requirements. **Additional Science**

CTE: TRANSPORTATION, DISTRIBUTION, & LOGISTICS

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|------------------|-------------------------------------------------------|---------|--------------------|----|----------|------------|-------------|--------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 6705 | Automotive Basics | 10-12 | | X | 13039550 | AutoBasc | NA | 2 | 1 | X |
| 6713 | Automotive Technology I: Maintenance and Light Repair | 10 – 12 | | X | 13039600 | AutoTec1 | NA | 2 | 2 | X |
| 6723 | Automotive Technology II: Automotive Service | 11 – 12 | | X | 13039700 | AutoTec2 | NA | 3 | 2 | X |
| 6724 | Practicum in Transportation Systems | 11 – 12 | | X | 13040450 | PracTrS1 | NA | 4 | 2 | X |

AUTOMOTIVE BASICS

6705

Grade Placement: 10-12

1 Credit

Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

AUTOMOTIVE TECHNOLOGY I: MAINTENANCE AND LIGHT REPAIR

6713

Grade Placement: 10-12

2 Credit

Recommended Prerequisite: Automotive Basics

This course includes applicable safety and environmental rules and regulations. In Automotive Technology I : Maintenance and Light Repair, students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

AUTOMOTIVE TECHNOLOGY II: AUTOMOTIVE SERVICE

6723

Grade Placement: 11-12

2 Credits

Prerequisite: Automotive Technology I: Maintenance and Light Repair

Automotive Technology II : Automotive Service includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Automotive Technology II : Automotive Service includes applicable safety and environmental rules and regulations. In this course students will gain knowledge and skills in the repair, maintenance, and diagnosis of vehicle systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

CTE: TRANSPORTATION, DISTRIBUTION, & LOGISTICS

PRACTICUM IN TRANSPORTATION SYSTEMS

6724/6725

Grade Placement: 11-12

2 Credits

Prerequisite: Students are in a coherent sequence for CTE Transportation

The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the Transportation, Distribution, and Logistics Career Cluster. Students shall be awarded two credits for successful completion of this course. A student may repeat this course once for credit provided that the student is experiencing different aspects of the industry and demonstrating proficiency in additional and more advanced knowledge and skills. Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based. Students are encouraged to participate in extended learning experiences such as CTE student organizations and other leadership or extracurricular organizations.

CAREER PREP COURSES

| NBISD Course No. | Subject | Grade | Course Offered at: | | PEIMS ID | Transcript | Rank Points | Course Level | Credits | Prereq |
|---------------------|------------------------------------------------|---------|-----------------------|----|----------|------------|----------------|-----------------|---------|--------|
| | | | NGC | HS | | | | | | |
| 5053 | Career Preparation I (Work Based Learning) | 11 – 12 | | X | 12701300 | CareerP1 | NA | 1 | 2 | X |
| 5056 | Career Preparation II (Work Based Learning) | 11 - 12 | | X | 12701400 | CareerP2 | NA | 1 | 2 | X |
| 5055 | Career Preparation I/Extended | 11 – 12 | | X | 12701305 | EXCAREE1 | NA | 1 | 3 | X |
| 5057 | Career Preparation II/Extended | 11 – 12 | | X | 12701405 | EXCAREE2 | NA | 1 | 3 | X |

CAREER PREPARATION I (WORK BASED LEARNING)

5053

Grade Placement: 11-12

2 Credits

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. Students are required to be employed a minimum of 10 hours per week. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CAREER PREPARATION II (WORK BASED LEARNING)

5056

Grade Placement: 11 - 12

2 Credits

Career Preparation II develops essential knowledge and skills through advanced classroom instruction with business and industry employment experiences. Students are required to be employed a minimum of 10 hours per week. Career Preparation II maintains relevance and rigor, supports student attainment of academic standards, and effectively prepares students for college and career success. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CAREER PREPARATION I /EXTENDED

5055

Grade Placement: 11-12

3 Credits

Career Preparation I/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. Students are required to be employed a minimum of 15 hours per week. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CAREER PREPARATION II/EXTENDED

5057

Grade Placement: 11-12

3 Credits

Career Preparation II/Extended provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences. Students are required to be employed a minimum of 15 hours per week. The goal is to prepare students with a variety of skills for a changing workplace. Career preparation is relevant and rigorous, supports student attainment of academic standards, and effectively prepares students for college and career success. Students are encouraged to participate in extended learning experiences such as career and technical student organizations and other leadership or extracurricular organizations.

CAREER PREP COURSES

| Industry Based Certificate Opportunities and Related Courses | |
|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Industry Certifications are subject to change. Contact CTE Director for more details: rbehnke@nbisd.org | |
| Business and Industry Endorsement | |
| Agriculture, Food and Natural Resources | |
| Certification | Course |
| Hunter Safety Education | Wildlife, Fisheries & Ecology Management |
| Texas Beef Quality Assurance | Livestock Production |
| OSHA - 10-hour General Industry | Ag Structures, Ag Power |
| Texas State Florist Association Level 1 | Floral Design |
| Arts, Audio/Video Technology and Communication | |
| Certification | Course |
| Adobe Certified Associate (ACA) in Photoshop | Photography, Graphic Design |
| Adobe Certified Associate (ACA) in InDesign | Graphic Design |
| Adobe Certified Associate (ACA) in Illustrator | Graphic Design |
| Adobe Certified Associate (ACA) in Premiere Pro | Audio/Video Production |
| Autodesk Maya Certified User | Animation |
| Business, Finance and Marketing | |
| Certification | Course |
| Microsoft Office Specialist (MOS) in Excel | BIM 2 |
| Quickbooks | Accounting |
| Adobe Certified Associate (ACA) in Photoshop | DIM |
| Transportation | |
| Certification | Course |
| ALLDATA Certified Automotive Information Specialist (CAIS) | All Auto Tech classes |
| Automotive Service Excellence (ASE) - multiple opportunities | Auto Tech 2 |
| S/P2 Safety (Mechanical Safety & Pollution Prevention) | All Auto Tech classes |
| Public Service Endorsement | |
| Health Science | |
| Certification | Course |
| OSHA - 10 hour Healthcare Industry | Health Science Practicum: Clinical Rotations |
| Heart Saver First Aid CPR, AED | Health Science Theory |
| Pharmacy Technician | Pharmacology |
| Certified Medical Assistant | Health Science Practicum: Clinical |
| Phlebotomy Technician, Certified | Health Science Practicum: Clinical |
| Law Enforcement | |
| Certification | Course |
| OSHA - 10-hour General Industry | Law Enforcement 2 |
| Heart Saver First Aid CPR, AED | Law Enforcement 2 |
| STEM Endorsement | |
| Engineering: Robotics | |

| Certification | Course |
|----------------------------------------|----------|
| StartSafe.StaySafe. Workplace training | Robotics |

Section 4 Clubs & Organizations

Note: Some clubs meet only at the Ninth Grade Center, others meet only at the High School Main Campus. Please email the sponsor if you have questions. Some club or organization meetings may require you to provide your own transportation. Clubs and Organizations subject to change.

CLUBS AND ORGANIZATIONS

Band – Members of The Mighty Unicorn Band compete and perform throughout the year. *MEETS AS A CLASS*

Blue Crew - Blue Crew is a group of senior boys that are selected through teacher recommendations. Their responsibility is to run the spirit flags across the field during all football games. They will travel with the cheerleaders and must remain eligible.

Bowling Team - Members of the Varsity and JV bowling teams practice and compete from October to March.

Cheerleading - Tryouts are held in March, and selection is based on athletic ability, academic performance, and teacher evaluations. *MEETS AS A CLASS*

Choir – Students prepare for competition and perform concerts throughout the year. *MEETS AS A CLASS*

Class Officers – Freshmen, sophomores, juniors and seniors run for election during the spring semester.

Colorguard – This group adds a visual presentation to the Unicorn Band. *MEETS AS A CLASS*

Drama Club (“Theater-n-Talent”) - A club for anyone with an interest in drama and the performing arts.

French Club - The goal of the French Club is to supplement the French classes in furthering the student’s interest in the French language, literature, and culture. The French language will be used as much as possible in carrying out the club’s activities. Members of the club must either be enrolled in a French class or have completed one year of classroom study in French on the high school level.

Geography Enthusiast Organization (GEO) – The purpose of this organization is to promote scholarship, enjoyment, and understanding of global issues among high school students.

German Club – Promotes the German language and culture beyond the classroom. Members of the club must either be enrolled in a German class or have completed one year of classroom study in German on the high school level.

Key Club - Key Club motto is "Caring- our way of Life". It is a student-led organization that teaches leadership through serving others. Members of the Kiwanis International family concentrate on helping younger children with the focus of “Children: their future, our focus”. Key Club members build themselves as they build their schools and communities by becoming strong community leaders.

Leo Club – A service club that is sponsored by the Noon Lions Club. Members meet every Thursday morning. New members are always welcome. Members assist the Noon Lions Club with various projects including Wurstfest and convention.

MCJROTC - Enrollment in an ROTC Class is a requirement for this club. The instilled discipline, goal orientation, and initiative of military leadership training are directed toward scholastic achievement. The program promotes the strong core values that the United States Marine Corps teaches to Marines. *MEETS AS A CLASS*

Monoceras - To be eligible for Monoceras, interested girls must try out in the spring. The purpose of the Monoceras is to perform/dance at football and basketball games and to promote school spirit. *MEETS AS A CLASS*

Mu Alpha Theta – dedicated to inspiring keen interest in mathematics, developing strong scholarship in the subject, and promoting the enjoyment of mathematics among high school students.

Mystics/Pom Squad - To be eligible for Pom Squad, interested girls must try out in the spring. The squad learns the importance of team effort rather than individual effort to promote and encourage school sport teams. The squad performs dance outlines in the stands and on the field at football games. They are also responsible for the football players’ "run-through" signs at pre-game and half time during all football games. The squad serves as prerequisite for Monoceras and Cheerleaders. *MEETS AS A CLASS*

CLUBS AND ORGANIZATIONS

National Honor Society (NHS) - Membership in the National Honor Society is an honor and a privilege granted to those students who exhibit outstanding qualities of scholarship, leadership, service and character. Junior and Senior students who have achieved a weighted GPA of 5.7 or higher must submit a Student Information Form, which provides evidence of their school and community activities. Students must also obtain references and sign a pledge to abstain from the illegal use of drugs, alcohol and tobacco. Criteria for admission has been established by the NHS Constitution and is published in the NHS Handbook. For more information, please contact the NBHS NHS Faculty Adviser or reference the NHS web page (which may be accessed from the NBHS home page).

Rotary Interact Club – Rotary sponsored service club that gives students an opportunity to participate in fun, meaningful service projects while developing leadership skills.

Sapphires – The goal of the Sapphires is to provide school spirit at school functions, mostly sporting events. No tryouts are necessary, but there is a sign up process that begins in March. *MEETS AS A CLASS*

Spanish Club - The goal of the Spanish Club is to supplement the Spanish classes in furthering the student's interest in the Spanish language, literature, and culture. The Spanish language will be used as much as possible in carrying out the club's activities. Members of the club must either be enrolled in a Spanish class or have completed one year of classroom study in Spanish on the high school level

Speech and Debate Team - The goal of this team is to inform people on current events, get them over their fear of public speaking and prepare them for acting and competitive debate. Members must be willing to compete at a tournament and be actively involved with the team.

Student Council (StuCo) - All students are eligible to participate in StuCo. StuCo representatives are elected upon grades and teacher recommendation at the beginning of each semester.

Twirlers - To be a twirler, you must be in band, maintain above average grades, and also must receive a first division in Solo and Ensemble. Each girl creates her own solo which is then performed in front of three to four judges who are looking for skills, difficulty and showmanship. *MEETS AS A CLASS (BAND)*

UIL Events: The following events are open to all students

| | | | |
|------------------------------|-------------------------------|---------------------------|----------------------------|
| UIL Accounting | UIL Calculator Applications | UIL Computer Applications | UIL Computer Science |
| UIL Cross-Examination Debate | UIL Current Issues and Events | UIL Editorial Writing | UIL Feature Writing |
| UIL Headline Writing | UIL Lincoln Douglas Debate | UIL Literary Criticism | UIL Math |
| UIL News Writing | UIL Number Sense | UIL Persuasive Speaking | UIL Poetry Interpretations |
| UIL Prose Interpretation | UIL Ready Writing | UIL Science | UIL Social Studies |
| UIL Spelling and Vocabulary | | | |

UIL Events: The following UIL events require the students to meet prerequisites.

| | |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| UIL Band - Students must be enrolled in Band | UIL Choral - Student must be enrolled in Choir |
| UIL One Act Play - Students must go through auditions. | UIL Journalism - Students must have completed Journalism I. |
| UIL VASE (Visual Arts Scholastic Event) (Art) – Students must currently be enrolled in an art class to participate. | |

Unicorn Handlers - Unicorn Handlers consist of senior girls chosen as a special spirit group for the Unicorns. These girls are entrusted with the care of "Buford," the Unicorn Mascot. They support him for the good luck slaps at the beginning of each half of the football games and pull him in the Comal County Fair Parade. They also offer the team their full support from the sidelines during each football game. Girls are chosen on the basis of GPA and teacher recommendation.

Winterguard – Winterguard will allow students to explore the utilization of props, costuming, flags, rifles, sabers, drill and staging to create multidimensional effects for competition as well as refine their performance technique to become proficient on these specialized pieces of equipment. Students interested in Winterguard must try out for a spot.

MEETS AS A CLASS

Yearbook - Completion of Journalism I is a requirement for this organization. Students produce the annual publication known as The Unicorn. Students sell advertisements, take photographs, write copy, design pages and perform other duties associated with producing the yearbook. *MEETS AS A CLASS*

CLUBS AND ORGANIZATIONS

Career and Technical Education - Student Organizations

The United States Department of Education recognizes the educational programs and philosophies embraced by Career and Technical Student Organizations (CTSOs) as being an integral part of career and technical education (CTE) instructional programs. CTE students in New Braunfels ISD have the opportunity to join the following CTSOs:

[Business Professionals of America](#)

Business Professionals of America has a history as a student organization that contributes to the preparation of a world-class workforce through the advancement of leadership, citizenship, academic, and technological skills for students at the Secondary and the Post-Secondary level. Through co-curricular programs and services, members of Business Professionals of America compete in demonstrations of their business technology skills, develop their professional and leadership skills, network with one another and professionals across the nation, and get involved in the betterment of their community through good works projects.

[DECA](#)

DECA, a national association of marketing education students, provides teachers and members with educational and leadership development activities to merge with the education classroom instructional program.

[Future Educators Association](#)

The Future Educators Association (FEA), sponsored by PDK International, is a student organization that provides students interested in education-related careers with activities and materials that help them explore the teaching profession in a variety of ways. FEA helps students develop the skills and strong leadership traits that are found in high-quality educators and significantly contributes to the development of the next generation of great educators.

[Family, Career and Community Leaders of America](#)

Since 1945, FCCLA members have been making a difference in their families, careers and communities by addressing important personal, work and societal issues through family and consumer sciences education. Today over 227,000 members are active in a network of associations in 50 states as well as in the District of Columbia, the Virgin Islands and Puerto Rico. Involvement in FCCLA offers members the opportunity to expand their leadership potential and develop skills for life -- planning, goal setting, problem solving, decision-making and interpersonal communication -- necessary in the home and workplace.

[Health Occupations Students of America](#)

Health Occupations Students of America (HOSA) is a national vocational student organization endorsed by the U.S. Department of Education and the Health Occupations Education Division of the American Vocational Association. HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health occupations instructors and students to join and be actively involved in the HOE-HOSA Partnership.

[National FFA](#)

FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success through agricultural education.

CLUBS AND ORGANIZATIONS

[SkillsUSA](#)

SkillsUSA is a national organization serving high school and college students and professional members who are enrolled in technical, skilled and service occupations, including health occupations.

[Technology Student Association \(TSA\)](#)

The Technology Student Association (TSA) is the only student organization devoted exclusively to the needs of technology education students who are presently enrolled in, or have completed, technology education courses.

New Braunfels Independent School District Public Notification of Nondiscrimination

New Braunfels Independent School District offers career and technology education programs in business, health careers, agriculture, law enforcement, automotive technology, engineering/manufacturing graphics, and consumer science education. Admission to these programs is based on interest and aptitude, age appropriateness and class space available.

It is the policy of the New Braunfels Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap, in its career and technology programs, services, or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

The New Braunfels Independent School District will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and career and technology programs.

For information about your rights or grievance procedures, contact the Title IX Coordinator, the Director of Human Resources, at The Administration Center, 1000 N. Walnut, 830/643-5700.

El Distrito Escolar Independiente De New Braunfels ofrece programas vocacionales en Educación Tecnológica y de Carrera. La admision a estos programas se basa en interes y aptitud, edad apropiada y disponibilidad de espacio en clase.

Es norma de el Distrito Escolar Independiente De New Braunfels de no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Título VI de la Ley de Derechos Civiles de 1964, según enmienda; el Título IX de las Enmiendas en la Educacion, de 1972; y la Sección 504 de la Ley de Rehabilitación de 1973, según enmienda.

Distrito Escolar Independiente De New Braunfels tomara las medidas necesarias para asegurar que la falta de habilidad en el uso de la lengua ingles no sea un obstaculo para la admision y participacion en todos los programas educativos y vocacionales.

Para información sobre sus derechos o procedimientos para quejas, comuníquese acerca sus derechos o procedimientos para quejas, comuníquese con el Coordinador de el Título IX, Director de Recursos Humanos, Centro de administración, 1000 N. Walnut, número de telefono 830/643

