

# **TROY HIGH SCHOOL 2018-2019 Course Catalog**

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or can be accessed through Troy ISD website.

**This guidance manual is designed to help you develop your personalized education plan within the framework the state of Texas has set up for all students. We realize that selecting your courses and planning your future can be a complicated process, but we hope to make it a pleasant and rewarding journey for you and your parents.**

**Within this book you will find a list of courses, along with a brief description on each class to aid you in your course selections. Some courses may not be scheduled each school year due to student interest and staff availability.**

**You will also find a worksheet at the back of the book for developing your four-year plan. Please use this guide throughout the year as a handy reference and call on any one of us for particular questions you may have. We are all here to help you make the most of your high school experience.**

**This catalog is a curriculum document and is subject to any policy changes approved by Troy ISD School Board. Although every effort will be made to present correct information, the Troy High School Student Handbook and Troy ISD Board Policy will supersede this document.**

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# General Information

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## 2018-2019 SCHOOL DAY

There are 7 class periods along with an advisory period. This period provides opportunities for student success through additional study time, STAAR remediation, and credit recovery.

## COURSE LOAD

All 9th, 10th, and 11th grade students will be required to attempt a minimum of 7 credits per year or 3.5 credits per semester. Seniors must maintain a minimum of 5 credits per year or 2.5 credits per semester. All students will be assigned an Advisory Class. Advisory does not count as a credit class.

## STUDENT CLASSIFICATION

For the 2018-2019 school year, a student will be classified according to number of credits earned toward graduation as follows:

**10th** grade -- at least **6 credits**  
**11th** grade -- at least **12 credits**  
**12th** grade -- at least **19 credits**

## GRADING

To earn a credit in a course, a student must receive a grade of 70 based upon course standards. The school shall report six-week grades to parents as numerical scores. Semester grades will be recorded on the students Academic Achievement Record (AAR) or transcript. Students may earn .5 credit based on the semester grade alone. Full credit may be earned based on the average of the semester grades unless the course is a state-approved semester course, at which time they will not be averaged.

## UIL Eligibility

In accordance with the UIL Side-by-Side, a student who receives, at the end of any grading period, a grade below 70 in any class (other than AP courses, Precalculus, & dual credit courses) may not participate in extracurricular activities for three school weeks.

## GRAND CENTRAL STATION (GCS)

Grand Central Station (GCS) is designed to be an "ultimate learning lab" for maximizing the potential of struggling students. The foundation of the program is its proactive approach made possible by the collaboration among all teachers. All students enrolled at Troy HS are eligible to utilize the GCS learning lab.

## HONOR GRADUATES

Honor graduates must have a 90.0 overall cumulative academic average (AA-see page 3) AND meet requirements of the foundation graduation plan AND earn an endorsement. No correspondence, dual credit, credit by exam, credit by acceleration, summer school, homeschool, online, or alternative school grades will be considered in the average.

## TRANSFER STUDENT GRADUATION REQUIREMENTS

A student who transfers into the District before the completion of the junior year will be required to meet Troy ISD graduation requirements. A student who transfers into the District after the completion of junior year may meet the requirements of the previous district. In order for students to be eligible for Valedictorian or Salutatorian status, they must have been a registered full-time student at Troy High School during the last 4 semesters (2 years) prior to graduation.

## PARENT/TEACHER COMMUNICATION

Parent and teacher communication is encouraged throughout the school year. Email is an excellent mode of communication. Faculty member emails are [first.last@troyisd.org](mailto:first.last@troyisd.org) or can be accessed through the Troy ISD website. Parents are encouraged to utilize the PARENT PORTAL feature found on the Troy ISD website to access student grades, attendance, and tardies via the internet throughout the school year.

## EARLY GRADUATION

Students have the opportunity to graduate early through careful planning. A student and his/her parents must apply for early graduation by June 30 of year prior to intended graduation. Students will only be approved for early graduation if he/she has successfully passed ALL prior EOC exams. Early graduates who enter their third year with 19 credits will be classified as seniors. Otherwise, they will enter their third year as a junior, and will be reclassified as a senior at mid year if they have 23 credits. Early graduates are required to pass all state assessment requirements. Early graduates will not be allowed to be Valedictorian or Salutatorian of the class they are graduating with.

## SCHEDULE CHANGES

Students may not change their schedule after two academic school weeks once a semester has begun, or cannot drop a class unless there are extenuating circumstances that are deemed in the best interest of the student's academic future with approval from campus administration.

# Class Rank and Grade Point System

The grade point and class ranking system shall consist of two separate calculations:

## Reported Grade Point Average/GPA

The Reported GPA is based on an UNWEIGHTED average and will include grades earned in **all state accredited high school courses taken on the high school campus**. Resource courses and courses with modified content according to ARD committees will be used in calculation.

90-100 = 4.0  
80-89 = 3.0  
70-79 = 2.0  
69 & below = 1.0

## Academic Average/AA for Class Rank

Class rank will be determined by computing the overall academic average (AA) for each student using a WEIGHTED 100.00 scale. Resource courses and courses with modified content according to ARD committees will not be used when calculating AA. This academic average includes **all semester grades earned in core courses** from areas listed below:

- English
- math
- science
- social studies
- foreign languages
- all AP classes

Courses taken in summer school, dual credit, correspondence, homeschool, online, alternative school or courses taken on the Middle School campus shall not be used in either calculation.

Each numerical semester grade received in a class shall be placed on the student's Academic Achievement Record (AAR)/transcript as it is reported by the teacher. The addition of weight points will be used for AA calculation and class ranking only. This weighted grade shall not appear on the AAR/transcript. The points are added to each semester grade during computation as follows:

**+15 All Advanced Placement (AP) courses**

**+10 Honors Geometry  
Honors Algebra 2  
Pre-AP Precalculus  
Pre-AP English  
Honors Biology  
Honors Chemistry  
Anatomy & Physiology  
Honors Physics  
Spanish 2 and 3**

The academic average/AA will be used to determine class rank, valedictorian, salutatorian, honor graduates, top 10%, top 25%, top 50%, 3<sup>rd</sup> quartile, and 4<sup>th</sup> quartile.

Announcement of honor students shall be made as soon as possible after the fifth six-week period in the second semester of the senior year. Honor students must have a 90 or higher ACADEMIC AVERAGE, **AND** must complete all requirements for the Foundation graduation plan AND earn an endorsement.

To be named valedictorian or salutatorian, the student must complete the last two years at Troy High School. An exact numerical class rank shall be reported for students in the top 50% and students in the bottom 50% shall be ranked by quartile only. The student with the highest academic average (AA) shall be named valedictorian and the second highest student salutatorian

According to the Texas Education Code §51.803 Texas public colleges or universities are required to admit students automatically if:

--The student graduates in the top 10% of high school class\*and either earned the distinguished level of achievement under the Foundation High School Program; or satisfied ACT's College Readiness Benchmarks on the ACT assessment or earned on the SAT assessment a score of at least 1,500 out of 2,400 or the equivalent.

--The student applies no later than 2 years after graduation from a Texas high school \*\*, AND

--A complete application along with all required documentation is submitted to the college or university before the filing deadline of that college or university.

\*University of Texas at Austin has special permission to alter this mandate. See TEC §51.803 for more information.

\*\*Once a top 10% student enters the college or university of choice, the student will have to follow transfer guidelines if he/she decides to transfer to another school.

# Exemption Policy

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The intent of the exemption policy for semester exams is to provide positive reinforcement to students for good attendance, for success on the state assessments and good citizenship. Improved attendance and success on state-mandated assessments will have a positive effect on student achievement. Exemptions are based upon attendance and achievement criteria detailed in the following paragraphs.

## FALL SEMESTER

**Seniors who meet grade, attendance, and state assessment requirements may be exempt from all final exams in the fall except for AP and Dual-credit classes. All other high school students must take the following semester exams in the Fall :**

- English I, English II, Pre-AP English II, English III, and English IV;
- Algebra I, Geometry, Honors Geometry, Math Models, Algebra II, Honors Algebra II, Pre-calculus;
- Biology, Honors Biology, IPC, Chemistry, Honors Chemistry, Physics, Honors Physics, Anatomy and Physiology, Environmental Systems;
- World Geography, World History, U. S. History, Government;
- All AP and Dual-credit classes (NO exemptions allowed).

**All other classes are available for exemption, regardless of student classification, providing the student meets the following exemption attendance requirements:**

1. No more than **three absences** per semester with an **A average (90-100)** in the class to be exempted, or
2. No more than **two absences** per semester with a **B average (80-89)** in the class to be exempted, or
3. No more than **one absence** per semester with a **C average (70-79)** in the class to be exempted.

The **fall semester average** in the class to be exempted shall be calculated by using the first and second six week grading periods, along with the average of the first five weeks of the third six-week grading period for a grading period consisting of six weeks, or the first four weeks if it is only a five week grading period.

## SPRING SEMESTER

**Students may be exempt from all classes including core courses (listed above) based on State Assessments:**

**Students must first meet attendance requirement 1, 2, or 3 above. In addition, students who pass the STAAR EOC's may be exempt as follows:**

- Students who pass the STAAR EOC exam in the corresponding core tested areas may be exempt from the semester exam in that core content area in the Spring Semester.

The **spring semester average** in the class to be exempted shall be calculated using the fourth and fifth six week grading periods, along with the average of the first five weeks of the sixth six-week grading period consisting of six weeks, or the first four weeks of the sixth six weeks if it is only a five week grading period.

**For the purpose of this exemption policy:** 1. An absence for any part of the school day shall count as one absence. A student must be in attendance for 25 minutes during the class period (one-half of the period) to be counted in attendance. 2. Three unexcused tardies will be equal to one absence. 3. Documentation for an absence must be on file in the Troy High School Offices within three days once the student has returned to school following the absence. 4. A student cannot have been assigned ISS, suspension, Saturday SAC, DAEP, or JJAEP. 5. A student must not have any outstanding fines. Any state exempt absences as defined in Texas Education Code 25.087(b) will not count against a student in regards to this Exemption Policy. Students exempt from all exams on a given day will be required to attend the designated period of time that day in order to remain exempt from exams. An exception shall be made on the exam day if the student is under a doctor's care, as documented by a doctor's note.

# 2018-2019 Testing Information

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## State of Texas Assessments of Academic Readiness (STAAR) End-Of-Course Exams

House Bill 5 passed by the 83rd Texas Legislature and signed by the governor, requires students to pass 5 STAAR end-of-course assessments as part of their graduation requirements. Students take the STAAR tests when they complete the following courses: English 1, English 2, Algebra 1, Biology, and US History.

### Summer 2018-retest only

June 25 --English 1  
June 27--English 2  
June 25-29--Testing Window \*  
    Algebra 1  
    Biology  
    US History

### Early Spring 2019--first time & retest

April 9--English 1  
April 11--English 2

### Fall 2018--retest only

December 3--English 1  
December 5--English 2  
December 3-7--Testing Window \*  
    Algebra 1  
    Biology  
    US History

### Late Spring 2019-- first time & retest

May 6-10-Testing window \*  
    Algebra 1  
    Biology  
    US History

\*Specific dates will be determined at a later time. All dates are subject to change.

### Summer 2019--retest only

June 24--English 1  
June 26--English 2  
  
June 24-28--Testing window \*  
    Algebra 1  
    Biology  
    US History

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## ONLINE TAKS & STAAR INFORMATION

Visit <http://www.tea.state.tx.us/student.assessment/parents/>

where you can:

- view testing calendars and
- obtain STAAR resources and explanations.

# GRADUATION REQUIREMENTS

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House Bill 5 (HB5) passed by the Texas Legislature in 2013, made significant changes to the state's graduation requirements. The new graduation requirements are referred to as the Foundation High School Program. Key aspects of the program include required Foundation Plan courses, an Endorsement selection, changes to the STAAR EOC testing program and opportunities to earn Performance Acknowledgements.

All students will be required to complete 26 credits listed in the Foundation Plan with Endorsements. In addition, a school district must ensure that each student, on entering 9th grade, indicate in writing the endorsement that the student intends to earn. The new program offers students a lot of flexibility in planning their path to graduation.

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## Foundation 22 Credits

### English Language Arts--Four credits

English I  
English II  
English III  
English IV

### Mathematics--Three credits

Algebra I  
Geometry  
Additional Mathematics Course

### Science --Three credits

Biology  
IPC or Additional Science Course  
Additional Science Course

### Social Studies --Three credits

World History  
U.S. History  
Government/Economics

### Physical Education --One credit

### Foreign Language --Two credits

### Fine Arts --One credit

### Electives--Five credits

Students may opt to Foundation-only after completing sophomore year.

## Endorsements

Foundation+ Endorsement=26 Credits

The following Endorsements will be offered at Troy High School:

- **STEM**
- **Business and Industry**
- **Arts and Humanities**
- **Public Services**
- **Multidisciplinary**

A student may earn an endorsement by successfully completing four credits required under that endorsement (see page 7). Courses taken for a foundation requirement may also satisfy courses required under an endorsement as long as 26 total credits are earned.

# GRADUATION REQUIREMENTS

## Troy ISD - Endorsements

A student must complete the Foundation High School Program (22 credits), one additional math credit, one additional science credit, and two additional elective credits while completing the specific requirements of his/her selected endorsement. Additional credits required for endorsements may be counted for credits under the Foundation.

<b>STEM</b> Science, Technology, Engineering, & Math	<b>Business &amp; Industry</b>	<b>Public Services</b>	<b>Arts &amp; Humanities</b>	<b>Multidisciplinary                      Studies</b>
<p>Students selecting the STEM endorsement might consider careers in geosciences, engineering, life sciences, computer science, physics, and more. This is a great option for students planning to attend a four-year university or a technical school.</p> <p>Students may earn a STEM endorsement by selecting and completing the requirements from among these options.</p> <p><i>Note: Algebra II, Chemistry, and Physics are required for the STEM endorsement regardless of the option the student selects from below.</i></p> <p><b>Option 1: Math</b></p> <p>Students earn Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> <li>•Pre-Calculus</li> <li>•AP Calculus AB</li> <li>•College Level Math</li> </ul> <p><b>Option 2: Science</b></p> <p>Students earn Biology, Chemistry, and Physics, AND credit for two (2) of the following courses.</p> <ul style="list-style-type: none"> <li>•AP Biology</li> <li>•Anatomy &amp; Physiology</li> <li>•Environmental Science</li> <li>•Advanced Animal Science</li> <li>•Forensics</li> </ul> <p>Students attending the TX Bioscience Inst will have opportunity to choose additional math and science courses.</p>	<p>Students selecting a Business and Industry endorsement might consider careers in agriculture, business management, construction, transportation and distribution, manufacturing and information technology.</p> <p>Students may earn a Business &amp; Industry endorsement by selecting and completing the requirements from among these options.</p> <p><b>Option 1: Agriculture</b></p> <p>Students earn four (4) credits from various courses offered in:</p> <ul style="list-style-type: none"> <li>•Animal Science</li> <li>•Horticulture</li> <li>•Wildlife Management</li> <li>•Agricultural Technology</li> </ul> <p><b>Option 2: Industrial Technology</b></p> <p>Students can begin taking courses in Agricultural Technology and then choose to attend Greater Waco Advanced Manufacturing Academy (GWAMA) and specialize in one of the following:</p> <ul style="list-style-type: none"> <li>•Welding</li> <li>•Precision Metal</li> <li>•Robotics/Electronics</li> <li>•Construction Technology</li> </ul> <p><b>Option 3: Information Technology</b></p> <p>Students earn four (4) credits from various courses offered in:</p> <ul style="list-style-type: none"> <li>•Information Technology</li> </ul>	<p>Students selecting a Public Services endorsement might consider careers in health sciences, education, law and law enforcement and security.</p> <p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these options.</p> <p><b>Option 1: Health Science</b></p> <p>Students can choose to attend the Greater Waco Advanced Health Care Academy (GWAHCA) during junior and senior year.</p> <p><b>Option 2: JROTC</b></p> <p>Student takes four (4) JROTC courses for 4 credits offered through Temple High School.</p> <p><b>Option 3: Education &amp; Training</b></p> <p>Student takes four (4) Education courses for 4 credits offered through Troy High School. Students will have an opportunity to do internship at local schools and/or area daycare facilities.</p>	<p>Students selecting an Arts and Humanities endorsement might consider careers in performing arts, visual arts, and communications.</p> <p>Students may earn an Arts &amp; Humanities endorsement by selecting and completing the requirements from among these options.</p> <p><b>Option 1: Social Studies</b></p> <p>Students earn five (5) social studies credits. Three of these credits are required under the Foundation. The other two will be selected from Social Studies electives.</p> <p><b>Option 2: Fine Arts</b></p> <p>Students earn four (4) courses in the same fine arts area for 4 credits</p> <p>OR</p> <p>Students earn two (2) courses in one fine arts area AND two (2) courses in a different fine arts area.</p> <ul style="list-style-type: none"> <li>•Band</li> <li>•Theater</li> <li>•Art</li> </ul> <p><b>Option 3: English</b></p> <p>Students earn four (4) English <u>elective</u> credits selected from a list of courses.</p>	<p>Students selecting a Multidisciplinary Studies endorsement will be prepared for several options including four-year university studies, two-year Associate's degrees or technical degrees.</p> <p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these options.</p> <p><b>Option 1: Four by Four (4X4)</b></p> <p>Students earn four (4) credits in each of the four core content areas. These include the courses required for the Foundation.</p> <ul style="list-style-type: none"> <li>•Four (4) English credits including English IV</li> <li>•Four (4) math credit</li> <li>•Four (4) science credits including biology and chemistry and/or physics</li> <li>•Four (4) social studies credits</li> </ul> <p><b>Option 2: AP or Dual</b></p> <p>Students earn four (4) Advanced Placement (AP) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p>OR</p> <p>Students take and earn credit for four (4) Dual credits courses in English, math, science, social studies, foreign language, or fine arts. This is equivalent to 12 hours of college credit.</p> <p><b>Option 3: CTE</b></p> <p>Students take and earn four advanced credits in Career &amp; Technology courses that prepare them to enter the workforce. These can be from an Endorsement area not in a coherent sequence.</p>

# COLLEGE PLANNING TIMELINE

## FRESHMAN

- Select challenging courses. Develop a four-year plan.
- Investigate extracurricular and volunteer opportunities inside and out of school. Develop a plan to get involved.
- Plan a daily time for extra reading from recommended reading lists.
- Maintain a vocabulary spiral for unfamiliar words encountered in reading materials.
- Read, clip, and file magazine and newspaper articles on college admissions and/or career information.
- Organize a system to document extracurricular and volunteer activities.

## SOPHOMORE

- Take PSAT-10 in the Spring semester. See page 10 for details.
- Save results of PSAT for future reference and to use as study guide for SAT.
- Look online or in bookstores for ACT preparation materials.
- Stay involved in extracurricular activities of your choice. Seek leadership opportunities.
- Continue looking at career options.
- Carefully research and choose appropriate courses for the junior year. Remember to choose high school courses that are in line with career choices or help with career decision process.
- Document all activities.
- Visit website <[www.collegefortexans.com](http://www.collegefortexans.com)> or other websites listed in back of this catalog to begin understanding the college and financial aid process.

## JUNIOR

### Fall:

- Take PSAT/NMSQT in October. Students will have to register and pay for this exam. See page 10 for details.
- Attend Mid-Tex College Night at Bell County Expo in the Fall semester.
- Make a file for college information, and keep a list of college representatives' names.
- Use holiday breaks to visit college campuses.
- Use PSAT results to assess weaknesses and strengths before spring testing. PSAT is an excellent study tool for SAT. Look for study materials and opportunities for ACT.
- Register for spring ACT and SAT tests.
- Check on class rank and compare to desired college admissions requirements.

### Spring:

- Choose senior courses with a strong program and career goals in mind.
- **Use spring student holidays to make 1 or 2 college visits.**
- Seek summer job during spring break.
- Review/practice ACT & SAT materials.
- Start to identify junior teachers whom you will ask for letters of recommendation.
- Take ACT and SAT. You may want to take a test to satisfy TSI if you plan to take a course at Temple College prior to graduation. See page 10 and/or counselor for details.
- If playing sports in college is a goal, write to college coaches for your sport at your target schools. See Troy HS counselor about registering with NCAA Clearinghouse.
- Plan and implement a volunteer activity. Document well.

## PLAN YOUR OWN FUTURE

[www.careers.org](http://www.careers.org)

[www.achievetexas.org](http://www.achievetexas.org)

[www.launchmycareertx.org](http://www.launchmycareertx.org)

[www.bigfuture.collegeboard.org/majors-careers](http://www.bigfuture.collegeboard.org/majors-careers)

Your possibilities are unlimited.



# COLLEGE PLANNING TIMELINE

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## SENIOR

### August:

- Be sure to check to see that you have completed, or you are now taking, all courses required for graduation. Remember, it is YOUR responsibility to see that all graduation requirements have been met.
- Register for fall ACT and SAT if you want to retest.
- Visit individual college websites for scholarship opportunities specific to college. These often have early Fall deadlines.
- Set up profile on a scholarship search engine that will search and keep you posted about scholarship opportunities. Examples: [www.fastweb.com](http://www.fastweb.com), [www.scholarships.com](http://www.scholarships.com)
- Request any college application materials if not requested in the summer.
- **Make a calendar to keep up with admissions, housing, scholarship, and financial aid deadlines.**
- Use documentation to finalize and print resume' in its final form and make multiple copies.

### September:

- Start working on college application essays and find someone to proof and to give feedback.
- Order transcripts as necessary from Troy HS registrar.
- Check colleges you are interested in for scheduled college visitation days or weekends and make plans to attend.
- Attend Mid-Tex College Night at Bell County Expo.
- Attend FAFSA meeting held by Troy HS counselor and plan to file FAFSA electronically at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or by mail. This is the first step to applying for grant money. You can begin filling out FAFSA on October 1.

### October:

- Keep up-to-date on scholarship opportunities by checking individual college websites and Troy ISD website.
- Finalize admission applications.
- Make contact with colleges for specific housing and financial aid procedures. Many have applications for housing and financial aid and prefer that you apply separate from admissions application.
- Give teachers, counselor, and other adults necessary recommendation forms or requests.
- Finish applications with final essays. Submit applications electronically. Watch deadlines carefully.
- Attend FAFSA meeting held by Troy HS counselor and plan to file FAFSA electronically at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) or by mail. This is the first step to applying for grant money.

### November:

- Write thank you notes to people writing recommendations.
- Write thank you notes to college rep who has been especially helpful.

### December:

- Study early for exams to avoid last minute cramming (good practice for college).
- Remember that these first semester senior grades will be seen by colleges.
- Check on second semester course schedule.
- Write your parents a thank you note for first 18 years!

### January:

- Check on ordering graduation announcements, cap, gown, etc.
- Fill out any scholarship forms that you are eligible. Watch deadlines!
- Get 7th semester class rank and see how it fares with admissions requirements at chosen schools.

### February:

- Visit [www.troyisd.org](http://www.troyisd.org) "Counselor Corner" for a list of area scholarship opportunities.
- Check on any senior events of spring that require \$\$\$\$ deposits.

### March:

- Make last minute college visit, if needed.
- Watch for SAR (Student Aid Report) to return from FAFSA information, verify, and wait for awards letter from colleges. Make sure you have completed all forms (admissions, financial aid, housing) required by college.

### April:

- Receive letters from colleges (all acceptances, of course!)
- Have long talk with parents over college choice, financial aid offers, and make a choice.
- Respond, in writing, by May 1st to all colleges with accept or regret.
- Be sure to check that all necessary tuition and housing deposits have been made.

### May:

- Order final transcript to be sent to college you plan to attend.
- Take AP exams, finals, etc.
- Be sure you have signed up for summer college freshman orientation session.
- Wear T-shirt of chosen college, carry around plastic cup of chosen college, and develop allegiance to new school community.
- Thoroughly enjoy graduation and all accompanying activities!!
- Get a summer job!! AND start writing thank you notes for all those wonderful graduation gifts!

# 2018-2019 Testing Information

## COLLEGE ENTRANCE EXAMS

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### Preliminary SAT -- PSAT

Sponsored by the College Board, the PSAT is a test that uses the same format as the SAT Reasoning Test. It is designed to give students an opportunity to practice taking the SAT and gives important feedback for SAT preparation. Sophomores are encouraged to take the PSAT10 in the spring of 10th grade. The specific date will be announced. Juniors are encouraged to register and take the PSAT/NMSQT on October 11, 2017. The PSAT is scored on a scale between 320 and 1520. You can score on a range from 160 to 760 for math and 160 to 760 for Reading and Writing. In addition to these section scores, your score report will also tell you subscores for Math, Reading, and Writing and Language between 8 and 38. This test is useful as an indicator of SAT scores and/or for test practice. The PSAT/NMSQT taken the junior year is the basis of some merit scholarships and the source of many college mailings. National Merit Semi-Finalists are named based on a student's junior PSAT selection index. PSAT results are also used to determine a student's potential for taking Advanced Placement courses during 11th & 12th grade years.

### SAT Reasoning Test

Developed and administered by the Educational Testing Service (ETS) for College Board, The SAT Reasoning Test is the nation's most widely used admissions test among colleges and universities. The SAT is typically taken by high school juniors and seniors. It tells students how well they use the skills and knowledge they have attained in and outside of the classroom - including how they think, solve problems, and communicate. Each section of the SAT is scored on a scale of 200-800, with two writing subscores for multiple-choice questions and the essay. Students interested in learning more about the SAT Reasoning Test or information about specific dates, locations and registration may visit [www.collegeboard.com](http://www.collegeboard.com). Students are required to register and pay a fee for SAT. **It is recommended that students take the SAT in the spring of 11th grade year. Fee waivers are available for students who qualify--see counselor for details.**

### SAT Subject Tests

Sponsored by the College Board, these one-hour tests measure knowledge and skills in a particular subject. Colleges may use the Subject Tests for admissions, credit, or placement purposes. It is best to contact the college/university you are planning to attend to see if Subject Tests are required for admissions or for your selected major.

### American College Testing--ACT

The ACT is a college entrance exam composed of 4 timed tests (English, mathematics, reading, and science). Scores are reported on a scale of 1-36 for each academic area, as well as a composite score. Students may register for one of two TEST OPTIONS: the ACT assessment, or the ACT Assessment Plus WRITING, which includes a 30-minute Writing Test for an additional fee. It is recommended that students take the ACT Plus Writing the first time they take the assessment. If a student chooses to retest, he/she may want to take the assessment without the writing. Some colleges/universities may award college credit for scores in certain areas. Students interested in taking the ACT may obtain specific dates, locations and registration information at [www.actstudent.org](http://www.actstudent.org). Students are required to register and pay a fee for ACT. **It is recommended that students take the ACT in the spring of 11th grade year. Fee waivers are available for students who qualify--see counselor for details.**

### Texas Success Initiative--TSI

Texas state law requires all students entering a state-supported college or university to be assessed for college readiness in math, reading, and writing. Some institutions may require a placement exam as well. Students are encouraged to check with the college/university they choose to attend for TSI requirements. Students may be exempt from TSI if one of the conditions listed below apply, but still need to check with the college/university attending for specific requirements for that institution. Troy High School is a TSI testing institution so that students are able to take the TSI on our campus.

#### Exemptions

**Students may be exempt from ALL or PART of TSI testing if one of the following criteria are met:**

- ACT** composite score of 23 or higher with English and/or math individual scores equal to or greater than 19.
- SAT** math individual score equal to or greater than 530 and an Evidence-Based Reading & Writing score equal to or greater than 480.
- There are some allowable waivers for students planning to take dual credit courses during junior year

Colleges and universities may have higher exemption standards than listed here. Check with individual institutions for guidelines.

# ***Non-Traditional Ways to Earn High School & College Credit***

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## **ADVANCED PLACEMENT PROGRAM**

The Advanced Placement (AP) program which is sponsored by the College Board enables students to complete college-level studies while they are in high school and obtain college placement and/or credit on the basis of their superior performance on the AP examinations. Classes which are designated AP follow specific curricula developed by the College Board and differ from the regular classes in those same subjects. The examinations for all AP courses are given at Troy High School on designated national test dates in May of each school year. All students who participate in AP courses are required to complete summer requirements, take fall semester exams, and take the corresponding AP exam for each course. Each college or university establishes its own policy regarding the awarding of credit, placement and grades on the basis of AP exam scores. THS offers several AP courses, designated in the course listing with "AP" in the title. Students will receive 15 extra points per semester when grade point average is calculated IF the student completes both semesters of the AP course.

## **CORRESPONDENCE COURSES**

A student may take correspondence courses (by mail &/or Internet) through the University of Texas or Texas Tech University. Correspondence courses may be taken at any time during a student's high school career. It is advisable to complete all correspondence courses prior to January of senior year. For additional information and registration materials, see the THS counselor.

## **SUMMER SCHOOL**

Students are allowed to earn a maximum of 2 credits toward graduation through accelerated summer school. These credits must be earned from an accredited institution. Students will not be allowed to take STAAR tested courses in accelerated summer school. There is no credit limitation on a summer school course taken for remediation. Students are encouraged to take remedial summer school immediately following failure of a course.

## **CREDIT BY EXAM/CREDIT BY ACCELERATION**

Students may register for credit by exam (CBE) or credit by acceleration (CBA) through the University of Texas or Texas Tech University. Students may attempt a CBE or CBA for a given subject only once. CBE or CBA may not be used to gain eligibility for extracurricular activities. Students may attempt a CBE to gain credit if he/she has previously taken a course covering the appropriate essential knowledge and skills. A score of a 70 or above on a CBE test is required to earn credit. If previous credit was denied because of excessive absences, only the attendance committee will decide if CBE may be used to earn credit. Students may challenge courses they have never formally taken by scoring a 90 or above on a CBA test. See THS counselor for more information.

## **TECH PREP--CREDIT BY ARTICULATION**

Tech Prep is a way to start a college technical major in high school. Articulated classes at Troy High School may count as college credit toward a certificate or an Associate Degree at Temple College, TSTC, MCC, CTC, or other colleges across the state. This dual credit method can save you time and money by allowing you to earn college credit for courses that cover the same material you learn in high school. To receive college credit through articulation, you must:

- Successfully complete all designated prerequisites and/or corequisites.
- Receive the minimum high school grade of 80 in the articulated course.
- Meet requirements as specified by the college, (attendance, testing, etc.)
- Present your high school transcript to the college with the articulated courses designated.

Once the college's criteria are met, credit received for articulated courses will appear on your college transcript free of charge.

# Non-Traditional Ways to Earn High School & College Credit

## DUAL CREDIT/CONCURRENT ENROLLMENT

DUAL CREDIT is a term used to describe courses which count simultaneously for both high school and college credit. Working in a partnership with Temple College, Troy High School students are allowed to take courses offered by Temple College. These courses satisfy graduation requirements at Troy HS while also counting for college credit at Temple College. This is a great way for students to jumpstart their college experience and make a commitment to post-secondary education. Students must provide their own transportation if attending classes somewhere other than the Troy HS campus. **It is imperative that students complete all paperwork required by Temple College and get it turned in by the specified deadlines. Failure to do so will cause the student to be dropped from the course.** Students can pursue several avenues for taking Dual Credit courses:

- Students may enroll in a Dual Credit Course offered at Troy HS and taught by a Temple College professor or Troy HS teacher. Students are responsible for Temple College tuition and fees.
- Students may enroll in classes on the main Temple College campus as long as the schedule works along with Troy HS schedule. Students must provide their own transportation and are responsible for Temple College tuition and fees.
- Students may participate in the Texas Bioscience Institute. See page 32 of this catalog for more detailed information. Students are responsible for Temple College tuition and fees above and beyond those required for full-time enrollment. See Troy HS Counselor for more information.
- Students may register for an online distance learning course through Temple College or University of Texas of the Permian Basin. Prior approval by Troy HS is required. Students are responsible for all tuition and fees.

### Eligibility Requirements:

To be eligible to register for a dual credit course, high school students must meet the following criteria:

1. Successful completion of 10th Grade; AND
2. Take the Texas Success Initiative (TSI) assessment, earn a waiver based on PSAT, STAAR scores, or be exempt based on ACT or SAT scores.

Troy High School plans to offer the following courses on the Troy HS campus. This chart also shows the Temple College equivalent course or courses and number of college hours earned. Students are also welcome to enroll in various other courses taught on Temple College Main Campus or online. Students will need to work with Troy HS counselor individually to discuss these options.

Troy HS Course and Credit Earned	Temple College Course and Hours Awarded
US History DC - 1.0 credit	HIST 1301 - United States History I - 3 hours HIST 1302 - United States History II - 3 hours
English 4 DC -- 1.0 credit	ENGL 1301 - Composition I - 3 hours ENGL 1302 - Composition II - 3 hours
American Music -.5 credit	MUSI 1310 - American Music - 3 hours

## TxVSN - TEXAS VIRTUAL SCHOOL NETWORK

*Senate Bill 1788, passed by the 80th Texas Legislature in 2007, established a state virtual network to provide supplemental, online courses for Texas students. Courses are provided by Texas school districts, open enrollment charter schools, Education Service Centers, and institutions of higher education. All high school courses offered through the TxVSN are aligned with the Texas Essential Knowledge and Skills (TEKS) as well as the iNACOL National Standards of Quality for Online Courses. All high school courses are led by an instructor who is Texas-certified in the course subject area and grade level and has completed professional development on effective online instruction.*

*Students may request to take an online course for high school credit, provided the course is part of the student's normal course load. The course must be necessary and required for high school graduation and not offered at Troy High School. Students may take a maximum of two online courses per semester. Courses taken through TxVSN will not count towards GPA. Students interested in taking online courses must consult their counselor. Both the counselor and the principal must approve the online course request. For more information about the TxVSN, please see [www.txvsn.org](http://www.txvsn.org).*

# ENGLISH / LANGUAGE ARTS

## **ENGLISH I**

1 Credit (2 Sems.)

**Prerequisite: None.**

This course will include a comprehensive study of grammar, composition, and vocabulary as well as in-depth study of the major literary genres: short story, poetry, drama, epic, nonfiction, and novel. Students are required to take and pass a STAAR EOC English 1 assessment for graduation requirement.

## **ENGLISH II**

1 Credit (2 Sems.)

**Prerequisite: English I**

This course will emphasize mastery of the English language in speech and writing through the examination of grammar mechanics, vocabulary, and written composition. In addition to outside reading assignments, a variety of texts will be read including fiction, nonfiction, such as, poetry, plays, expository texts, and short stories. Students are required to take and pass a STAAR EOC English 2 assessment for graduation requirement.

## **Pre-AP ENGLISH II**

1 Credit (2 Sems.)

**Prerequisite: \*Pass English I EOC**

This course will encompass the same essential elements as English II. The main differences will be more challenging and higher level thinking work in preparation for entering AP English III. Students entering this class should be comfortable completing assignments independently and be familiar enough with the writing process to compose a 5 paragraph essay. Students are required to take and pass a STAAR EOC English 2 assessment for graduation requirement.

## **ENGLISH III**

1 Credit (2 Sems.)

**Prerequisite: English I & II.**

This course will entail a study of American literature. A review of English grammar and usage and instruction in advanced composition and technical writing will be fused with an intensive study of the development of American Literature. Preparation for SAT, ACT, and TSI will be implemented as well.

## **ENGLISH IV**

1 Credit (2 Sems.)

**Prerequisite: English I, II, & III.**

This course is a chronological study of the development of British Literature through selections from the major literary periods: Anglo-Saxon, Medieval, Renaissance, Restoration/Eighteenth Century, Romantic, Victorian and Modern. Vocabulary, grammar review, and enrichment is provided. Strong emphasis is placed on reading and composition, book reviews, research papers, and essays.

## **Dual Credit English IV**

1 Credit (2 Sems.)

**Prerequisite: Grade 12.**

Students interested in taking this course will need to register for Temple College ENGL 1301 in the Fall semester and ENGL 1302 in the Spring semester. Student is responsible for Temple College tuition and fees and meeting all eligibility requirements to register for the courses. Students who do not choose to take the Dual Credit class in the Spring will be transferred back to English IV class. Upon successful completion of ENGL 1301 and ENGL 1302 will earn 6 college hours and 1 high school credit. See page 12 for more information.

## **Advanced Placement (AP) ENGLISH III**

1 Credit (2 Sems.)

**Prerequisite: \* Pre-AP English II and testing criteria.**

This course engages students in the careful reading and critical analysis of nonfiction literature. As students read, they consider a work's structure, style, and use of diction and syntax, as well as gain a deep understanding of the importance of rhetorical devices. The students will also be required to write for a variety of reasons with emphasis on writing rhetorical analysis, argumentative, and synthesis essays. Previous year's averages in English I and II, along with PSAT and ASPIRE test scores will be evaluated as criteria for enrollment in this course. In order to receive the weighted grade points for this course, it is mandatory that each student will take the Advanced Placement College Board Exam in May in hopes to qualify for college credit. Preparation for **SAT and ACT will be emphasized as well.**

## **COLLEGE PREP ENGLISH**

1 Credit (2 Sems.)

**Prerequisite: English I & II.**

This course is a collaborative effort between Troy HS and Temple College with the sole purpose to prepare students who have demonstrated (through assessments or coursework) that they are not ready to perform entry-level college coursework. A student who successfully completes this course will either be exempt from the requirements of the Texas Success Initiative (TSI) in math or will be encouraged to retake the TSI depending on the student's college plans and graduation plan.

## **UIL Prep for Success**

1 Credit (2 sems.)

**Prerequisite: Grades 9-12.**

Students enrolled in this course will be provided the opportunity to study and practice for these UIL contests: Oral Interpretation, Journalism, Ready Writing, Literary Criticism, Social Studies, Current Issues and Events, and Spelling and Vocabulary. Students will have the opportunity to compete in district, region, and state contests. They will also be required to complete various UIL related projects throughout the course.

\* Student and parent will be required to sign a contract and meet ongoing expectations to remain in an advanced or honors course.

# ENGLISH / LANGUAGE ARTS

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## ***FILM-Visual Media***

.5 Credit (1 Sem.)

**Prerequisite: Grades 10-12.**

High school students enrolled in Film-Visual Media will interpret various media forms for a variety of purposes. In addition, students will critique and analyze the significance of visual representations and learn to produce media messages that communicate with others. This will be linked with Creative Writing.

## ***CREATIVE WRITING***

.5 Credit (1 Sem.)

**Prerequisite: Grade 10-12**

Creative Writing is a composition course where students will demonstrate their skill in such forms of writing as fictional writing, short stories, poetry, and drama. 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 peer and self-assessments for effective writing, and set their own goals as writers.

## ***Mystery & Horror Literature***

.5 Credit (1 Sem.)

**Prerequisite: Grades 10-12.**

Students enrolled will spend time analyzing the mystery and horror elements of literary texts and read to appreciate the writer's craft. High school students will discover how well written literary text can serve as models for their own writing. High school students respond to oral, written, and electronic text to connect their knowledge of the world. This course is linked with Science Fiction Literature.

## ***Science Fiction Literature***

.5 Credit (1 Sem.)

**Prerequisite: Grades 10-12.**

Students enrolled will spend time analyzing the fictional and scientific elements of literary texts and read to appreciate the writer's craft. High school students will discover how well written literary text can serve as models for their own writing. High school students respond to oral, written, and electronic text to connect their knowledge of the world. This course is linked with Mystery & Horror Literature.

## ***Humanities***

1 Credit (2 sems.)

**Prerequisite: Grades 11-12.**

Humanities is an interdisciplinary course in which students recognize writing as an art form. Students read widely to understand how various authors craft compositions for various aesthetic purposes. This course includes the study of major historical and cultural movements and their relationship to literature and the other fine arts.

## ***College Readiness and Study Skills***

.5 Credit (1 Sem.)

**Prerequisite: Grades 11-12.**

In this course, students acquire techniques for learning that will help them be successful in college. College and career exploration and preparation will also be emphasized. This course will be linked to Practical Writing Skills

## ***Practical Writing Skills***

.5 Credit (1 Sem.)

**Prerequisite: Grades 11-12.**

The study of writing allows students to develop skills necessary for practical writing. Students will create business letters, resumes, inquiries, application forms, letters of application, and order forms. Written business communication will be emphasized. This course will be linked to College Readiness.

## ***Journalism***

1 Credit (2 Sems.)

**Prerequisite: Grades 9-12. Student must have a B or better in previous English class.**

In Journalism, students are expected to write in a variety of forms and for a variety of audiences and purposes. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing.

## ***Advanced Journalism-Newspaper 1, 2, & 3 Trojan Tribune***

1 Credit (2 Sems.)

**Prerequisite: Grades 10-12. Journalism and Teacher Recommendation.**

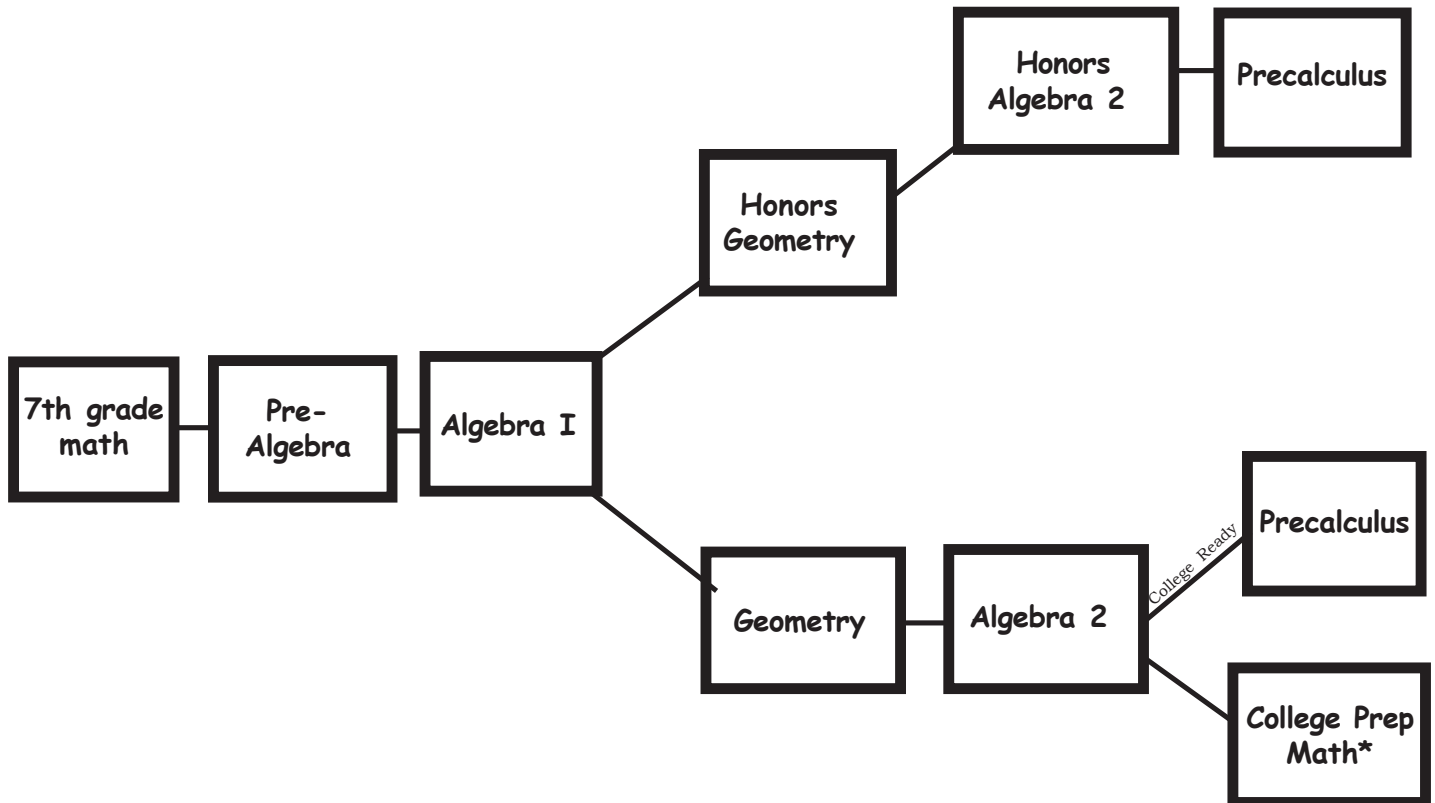
Students are expected to plan, draft, and complete written on a regular basis, carefully examining their copy for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students are expected to become analytical consumers of media and technology to enhance their communication skills. In addition, students will apply journalistic ethics and standards. Published works of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students may submit articles to various newsletters, newspapers, and/or produce a Troy High School newspaper/newsletter.

# MATHEMATICS SEQUENCE

Grades 7-12

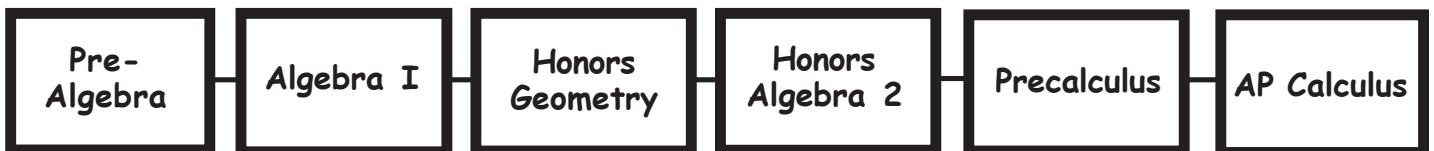
7th 8th 9th 10th 11th 12th

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Student may use Math Models or Algebraic Reasoning\* as one of four math credits IF it is taken prior to Algebra 2.

To remain in this sequence, student must pass Algebra 1 STAAR test.



# MATHEMATICS

## ALGEBRA I

1 Credit (2 Sems.)

**Prerequisite: None.**

This course will teach the foundation concepts for high school mathematics. These concepts will include: algebraic thinking and symbolic reasoning; function concepts including linear, systems, quadratics and nonlinear; the relationship between equations and functions; underlying mathematical processes; the use of algebraic representations, including concrete, numerical, algorithmic, and graphical. Students are required to take and pass a STAAR EOC Algebra 1 assessment for graduation requirement.

## GEOMETRY

1 Credit (2 Sems.)

**Prerequisite: Algebra I.**

Geometry will study the language, postulates and theorems of a traditional plane geometry course. Topics to be covered include deductive reasoning; angle measures of triangles and polygons; parallel and perpendicular lines; congruent and similar triangles; ratio and proportion; properties of geometric figures and shapes including perimeter, area and volume, coordinate geometry, properties of circles, transformations, simple trigonometry, and probability.

## HONORS GEOMETRY

1 Credit (2 Sems.)

**Prerequisite: \* Algebra I teacher recommendation, & must have passed STAAR EOC Algebra 1 test.**

Advanced Geometry will use algebra **extensively**; therefore, **students are expected to have a strong algebraic foundation.** Geometric concepts to be studied will be similar to those listed in Geometry course at a greater depth and pace. Students can expect daily homework in this course.

## ALGEBRA II

1 Credit (2 Sems.)

**Prerequisite: Algebra I and Geometry.**

Algebra II expands on all the topics taught in Algebra I. Additional topics might be complex numbers, rational equations, matrices, polynomials and basic exponential and logarithmic functions.

## HONORS ALGEBRA II

1 Credit (2 Sems.)

**Prerequisite: \* Honors Geometry & Algebra I**

Advanced Algebra II is intended to be comparable to college algebra. This course will contain elements of Algebra II and will also include linear programming, conic sections, trigonometry, probability, and statistics. Students will be required to complete a summer assignment prior to the course. This course is prerequisite for Precalculus.

## COLLEGE PREP MATH

1 Credit (2 Sems.)

**Prerequisite: Algebra II. Students will be hand scheduled for this course.**

This course is a collaborative effort between Troy HS and Temple College with the sole purpose to prepare students who have demonstrated (through assessments or coursework) that they are not ready to perform entry-level college coursework. A student who successfully completes this course will either be exempt from the requirements of the Texas Success Initiative (TSI) in math or will be encouraged to retake the TSI depending on the student's college plans.

## PRECALCULUS

1 Credit (2 Sems.)

**Prerequisite: Algebra II and demonstrated college readiness through TSI, ACT, or SAT.**

Precalculus is taught as a prerequisite for AP Calculus. Trigonometric equations and their inverses will also be taught as well as their applications including vector analysis and motion. The graphing calculator will be used to quickly produce accurate graphs of conic and parametric equations and functions, including polynomial, rational, radical, exponential and logarithmic equations.

## Advanced Placement (AP) CALCULUS

1 Credit (2 Sems.)

**Prerequisite: \* Precalculus. Grades 11-12.**

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

\* Student and parent will be required to sign a contract and meet ongoing expectations to remain in an advanced or honors course.

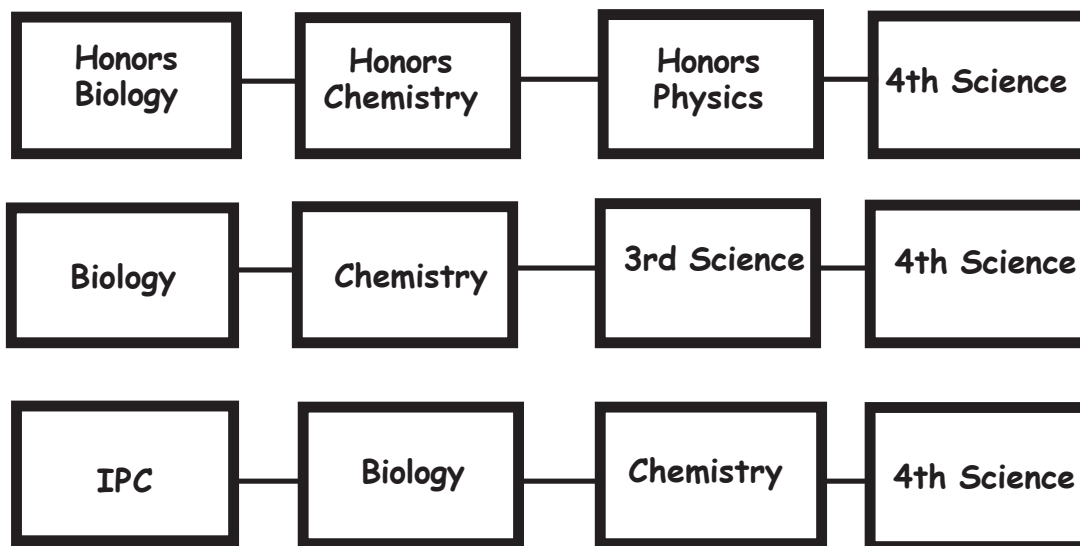


# SCIENCE SEQUENCE

Grades 9-12

9th 10th 11th 12th

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## 3rd/4th Year Science Options:

Environmental Systems  
Forensic Science  
Anatomy & Physiology  
Advanced Animal Science  
AP Biology  
Honors Physics\*  
Physics\*

\* Required for STEM Endorsement

# SCIENCE

## **INTEGRATED PHYSICS & CHEMISTRY**

1 Credit (2 Sems.)

**Prerequisite: None.**

This course is an introduction to chemistry and physics. The first semester includes the scientific method, measuring and graphing of scientific data, atomic structure of atoms, the periodic table, writing and balancing equations and types of chemical reactions. The second semester focuses on motion and speed, Newton's Laws, acceleration, momentum, work and energy. This course must be taken prior to Chemistry and Physics.

## **BIOLOGY**

1 Credit (2 Sems.)

**Prerequisite: Passed 8th Science STAAR** with a set standard

This is an introductory course designed to expose students to many different fields of biology. Subjects include but are not limited to the scientific method, ecology, biochemistry, cellular processes, genetics, evolution, and basic taxonomy. Students are required to take and pass a STAAR EOC Biology assessment for graduation requirement. This course includes dissections.

## **Honors BIOLOGY**

1 Credit (2 Sems.)

**Prerequisite: Passed 8th Science STAAR** with a set standard

This course will cover all the same topics as general Biology but with greater rigor and at a faster pace. Students will be expected to complete individual projects each six weeks and conduct research concerning relevant topics about current biological events. Students are required to take and pass a STAAR EOC Biology assessment for graduation requirement. This course includes dissections.

## **CHEMISTRY**

1 Credit (2 Sems.)

**Prerequisites: Biology.**

The first semester of Chemistry includes laboratory management, matter, atomic structure and a thorough look at the periodic table, chemical bonding, chemical formulas, the mole concept, and chemical equations & reactions. The second semester starts off with stoichiometry, gasses and gas laws, solutions, acids, bases, thermochemistry, and concludes with a brief look at nuclear chemistry. Students will be expected to participate in laboratory experiments that potentially contain hazardous materials with appropriate safety precautions.

## **Honors CHEMISTRY**

1 Credit (2 Sems.)

**Prerequisites: \* Biology and concurrent enrollment in Honors Algebra II, passed Biology EOC**

Honors Chemistry curriculum content is the same as Chemistry but taught at a faster pace, greater rigor and more in depth topics are covered. Students will be expected to complete individual projects NO MORE THAN three times a semester concerning relative topics to the course materials.

## **PHYSICS**

1 Credit (2 Sems.)

**Prerequisite: Biology & Chemistry.**

This course is a laboratory oriented physics course. The course begins with the scientific method, measuring, and graphing of scientific data. The course then introduces the students to motion and speed, Newton's laws, acceleration, momentum, work, energy, thermodynamics, and waves. The students will perform various labs throughout the course to reinforce these concepts.

## **Honors PHYSICS**

1 Credit (2 Sems.)

**Prerequisite: \* Biology, Honors Chemistry & concurrent enrollment in Precalculus**

Physics is a trigonometry based course that introduces the physical laws which govern the world around us. The course begins with a review of applicable math skills and progresses into discussions of most topics in classical mechanics. The topics of thermodynamics, fundamental wave theory and nuclear physics are also introduced. A graphing calculator is required.

## **ENVIRONMENTAL SYSTEMS**

1 Credit (2 Sems.)

**Prerequisites: Biology.**

Environmental Systems is a one-year laboratory course that demonstrates the integration and dependency of the living and nonliving communities and includes concepts such as the inter-relationship among resources, the sources and flow of energy through a system and population and environmental changes. The course offers a holistic overview of critical environmental issues and will serve as a foundation for students to make the decisions that shape the future of our world.

## **ANATOMY AND PHYSIOLOGY**

1 Credit (2 Sems.)

**Prerequisites: Biology, Chemistry**

An integrated study of the structure and function of the human body systems. Emphasis will be given to basic body structure and the complex functions associated with it.

## **Advanced Placement (AP) BIOLOGY**

1 Credit (2 Sems.)

**Prerequisite: \* Biology, Chemistry, passed Biology STAAR EOC**

This is a college-level inspired course requiring in-depth investigation of topics including molecules, cells, genetics, evolution, organisms and populations. At least one-fourth of the class time will be laboratory work and some out-of-class lab work will be expected. Students will be expected to write research papers and present their research topics each semester. This course includes dissections.

## **FORENSIC SCIENCE**

1 Credit (2 Sems.)

**Prerequisites: Biology and Chemistry**

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, 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. This course can be taken concurrently with Physics.

## **ADVANCED ANIMAL SCIENCE**

See Page 25 for description.

\* Student and parent will be required to sign a contract and meet ongoing expectations to remain in an advanced or honors course.

# SOCIAL STUDIES

## **WORLD HISTORY**

1 Credit (2 Sems.)

**Prerequisite: None.**

This course covers the histories of all major civilizations of man from the beginnings to modern times. It can be taken at any grade level, but is recommended for the 10th grade.

## **U.S. HISTORY**

1 Credit (2 Sems.)

**Prerequisite: World History.**

This course is a required one-year study of the United States from 1877 to the present. The time span of the course is divided into small units such as Westward Expansion, Gilded Age, Progressive Era, Rise of World Power, Transition to Modern America, Great Depression and New Deal, America Reacts to a World at War, World War II, Onset of the Cold War and 1950s, Civil Rights, New Frontier and Familiar Enemies, and 1970s to present.

## **Dual Credit U.S. HISTORY -**

1 Credit (2 Sems.)

**Prerequisite: Grades 11 or 12.**

Students interested in taking this course will need to register for Temple College HIST 1301 in the Fall semester and HIST 1302 in the Spring semester. Student is responsible for Temple College tuition and fees and meeting all eligibility requirements to register for the courses. Upon successful completion of HIST 1301 and HIST 1302 student will earn 6 college hours and 1 high school credit that will count as a Social Studies elective. See page 12 for more information.

## **WORLD GEOGRAPHY**

1 Credit (2 Sems.)

**Prerequisite: None.**

Students will become knowledgeable about the physical locations of continents and countries and the general nature of geography. Interactions of environments and urban analysis will also be examined.

## **GOVERNMENT**

.5 Credit (1 Sem.)

**Prerequisite: Grade 12.**

All students are required to take this course and is considered a senior-level course. Attention will be given to the operation of the government in accordance with the United States Constitution as well as state and local government.

## **ECONOMICS**

.5 Credit (1 Sem.)

**Prerequisite: Grade 12.**

All students are required to take this course and is considered a senior-level course. Students will study economics with emphasis on the American free enterprise system and its benefits.

## **PSYCHOLOGY/SOCIOLOGY**

.5 Credit (1 Sem.) for each course

**Prerequisite: Grades 10-12.**

These are one-semester courses which will give the student a better understanding of human behavior through the study of different learning theories growth and development, physiological, emotional, and personality development. These courses are linked together.

# FOREIGN LANGUAGE

## **SPANISH I**

1 Credit (2 Sems.)

**Prerequisite: Strong study skills.**

This is a foundation course in which basic communication skills of the Spanish language are introduced and developed. Cultural aspects of Hispanic life and countries are also studied. Course encompasses the subtleties of listening, speaking, reading and writing for the true second-language acquisition. Students should have strong study skills and willingness to devote time each evening to this course in order to be successful.

## **SPANISH II**

1 Credit (2 Sems.)

**Prerequisite: Spanish I.**

This course is a continuation of Spanish I. More emphasis is placed on reading, writing and conversational skills. Students also continue to study Hispanic culture and customs. It is recommended that Spanish II and Spanish III be taken in consecutive years.

## **SPANISH III**

1 Credit (2 Sems.)

**Prerequisite: Spanish II.**

Previously learned skills continue to be emphasized and expanded in Spanish oral and written communication. Activities will address those skills necessary to prepare for AP Spanish and the AP exam.

## **SPECIAL TOPICS IN LANGUAGE & CULTURE**

1 Credit (2 Sems.) Grades 11-12

**Prerequisite: Spanish I.**

**\*Students will be handscheduled in this course.**

This course is designed to provide students the opportunity to study various cultural groups in Hispanic society. The historical backgrounds, customs, art, drama, music, folklore and other contributions of specific groups of the Hispanic way of life will be emphasized. Students will demonstrate novice level communication skills.

# FINE ARTS

## **MARCHING/CONCERT BAND**

1 Credit (2 Sems.)

**Prerequisite:** Previous experience playing musical instruments.

The first semester is **Marching Band** and can be counted as .5 credit toward the state's requirement for P.E. The second semester is **Concert Band** and can be counted as .5 credit fine art credit. To participate in band takes some commitment of time and energy beyond the classroom. There will be opportunities for competition in a group and individual events such as UIL Marching, ATSSB, CenTex, TMEA, UIL Solo/Ensemble, UIL Concert/Sight Reading and UIL State Wind Ensemble Festival.

## **APPLIED MUSIC**

1 Credit (2 Sems.)

**Prerequisite:** Audition or teacher recommendation. Should be enrolled in regular band.

Applied music has three focuses throughout the school year. The first and second six weeks focus on ATSSB region band music auditions. The third and fourth six weeks focus on UIL solo and ensemble. The fifth and sixth six weeks focus on jazz band.

## **Dual Credit AMERICAN MUSIC**

1 Credit (2 Sems.)

**Prerequisite:** Grades 11 or 12.

This course provides students with an in-depth view of different musical styles evident in America. Styles such as rock, pop, soul, jazz, musical theater, blues, gospel, and country music are possible topics. Extensive listening in and outside of class provides further exposure and understanding of popular music and its relationship with the music industry.

## **ART I**

1 Credit (2 Sems.)

**Prerequisite:** None.

Elements and principles of art are introduced through the exploration of basic art skills and materials. Specific project areas include drawing, painting, design, cartooning, advertising and 3-dimensional design. A Survey of art history will include a chronological look at artists, world cultures and significant works of art. Self-discipline and a willingness to try new techniques are essential.

## **ART II**

1 Credit (2 Sems.)

**Prerequisite:** Art I with an 80 or better.

This course involves the further study of drawing, painting with a variety of media, designing projects, or a 3-dimensional work. Only one area is explored in each year-long class. Students must have a sincere commitment to furthering their artistic talent. These courses require a great deal of self-discipline and interest in creating quality art work. Students will purchase a sketchbook for weekly assignments outside the classroom. Students will maintain a personal portfolio for frequent presentations.

## **Advanced Placement (AP) STUDIO ART**

1 Credit (2 Sems.)

**Prerequisite:** Art I and a submitted portfolio. Portfolio will include 20 student works showing a commitment to development of style and a willingness to explore skills and media.

Independent study allows students to develop additional competency in any art areas of personal interest through individual work in studio art. Students will maintain and develop a portfolio acceptable for submission to the College Board for judging.

## **Advanced Placement (AP) HISTORY OF ART**

1 Credit (2 Sems.)

**Prerequisite:** Grade 11 /12, Art I with a final grade average above 80, with Art I projects consistently turned in at deadline, and no reported discipline issues during Art I class.

This course offers an understanding and enjoyment of architecture, sculpture, painting, and other art forms within historical and cultural contexts. It is conducted on an introductory college course level. Students examine major forms of artistic expression from past to present from a variety of cultures.

## **GRAPHIC DESIGN & ILLUSTRATION- YEARBOOK I**

1 Credit (2 Sems.)

**Prerequisite:** Grades 10-12 and Art I and/or Journalism and approved application. Limited seats available.

Students will develop technical skills needed for success in *developing the Troy High School Yearbook* and focus on fundamental elements and principles of visual art and design. Students will be expected to employ time management skills, interpret, evaluate, and justify design decisions; conduct oral or written communications; apply art elements and principles of photographic works and develop leadership skills and teamwork.

## **THEATRE ARTS I & II**

1 Credit (2 Sems.)

**Prerequisite:** Grades 9-12

This is a survey of theatre in which students will study improvisation, movement, play analysis techniques of acting styles, theatre history, play performance and production. Students are expected to be involved in all aspects of the class, which will include acting and technical theater. Students need to be prepared to participate in performances for the school body and possibly the community.

## **PRINCIPLES AND ELEMENTS OF FLORAL DESIGN**

See Page 26 for description.

# PHYSICAL EDUCATION

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## **FOUNDATIONS OF PERSONAL FITNESS (PE1A)**

.5 Credit (1 Sem.)

**Prerequisite: None.**

Students will understand the importance of, and exhibit a physically active lifestyle. Activities to be covered are volleyball, basketball and badminton. Knowledge of the rules, basic skills, teamwork, sportsmanship and basic strategies will be covered. Assessment will include, but not be limited to written tests, skills tests and participation.

## **ADVENTURE/OUTDOOR EDUCATION (PE1B)**

.5 Credit (1 Sem.)

**Prerequisite: None.**

Students enrolled in this course are expected to develop competency in outdoor 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.

## **AEROBIC ACTIVITIES (PE2A)**

.5 Credit (1 Sem.)

**Prerequisite: None.**

Students in Aerobic Activities 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.

## **TEAM OR INDIVIDUAL SPORTS (PE2B)**

.5 Credit (1 Sem.)

**Prerequisite: Foundations of Personal Fitness.**

Students enrolled in this course are expected to develop health-related fitness and an appreciation for teamwork and fair play. Like the other high school physical education courses, this course is concerned with incorporating physical activity into a lifestyle beyond high school.

## **SPORTS--UIL ATHLETICS**

1 Credit (2 Sems.)

**Prerequisite: Recommendation from the coach in requested sport.**

Both males and females are encouraged to participate in the athletic program. The athletic program has three levels of competition: 9th, sub varsity and varsity. Sports included in the athletic program are volleyball, cross-country, football, basketball, track, softball, baseball, tennis, power lifting, and golf. Athletics can satisfy the state's requirement for Physical Education.

## **HEALTH**

.5 Credit (1 Sem.)

**Prerequisite: None.**

This is a one semester course. This study begins with a general overview of health. Topics covered are personal responsibility for health, self-esteem, and the physical, social and mental aspects of health. This course also covers the dangers of alcohol, tobacco and drug use. Sexual responsibility is taught from an abstinence view point. This course is a graduation requirement and may be taken at any grade level.

# INFORMATION TECHNOLOGY

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## **BUSINESS INFORMATION MANAGEMENT I (BIM I)**

1 Credit (2 Sems.)

Students learn skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and post high school education. Students apply skills to create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using various software.

## **DIGITAL AND INTERACTIVE MEDIA (DIM)**

1 Credit (2 Sems.)

Through the study of digital and interactive media and its application in information technology, students will analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. 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.

## **GRAPHIC DESIGN & ILLUSTRATION I (GDI)**

1 Credit (2 Sems.)

**Prerequisite: DIM**

Graphic Design and Illustration spans all aspects of the advertising and visual communications industries. Students will be able to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

## **AUDIO/VISUAL PRODUCTION I (A/V Prod)**

1 Credit (2 Sems.)

**Prerequisite: Grades 11-12. DIM**

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 activities.

## **GRAPHIC DESIGN & ILLUSTRATION II (GDI)**

1 Credit (2 Sems.)

**Prerequisite: GDI, Grades 12**

This is a lab-oriented course designed to develop and implement skills in a real world setting.

## **AUDIO/VISUAL PRODUCTION II (A/V Prod)**

1 Credit (2 SemS.)

**Prerequisite: A/V Prod, Grade 12**

This is a lab-oriented course designed to develop and implement skills in a real world setting.

## **PERSONAL FINANCIAL LITERACY**

.5 Credit (1 Sems.) Follow up with Agribusiness .5 credit

Personal Financial Literacy is designed to teach students how to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training

## **BUSINESS INFORMATION MANAGEMENT II (BIM II)**

1 Credit (2 Sems.)

**Prerequisite: BIM I, Grades 10-12**

This class focuses on planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

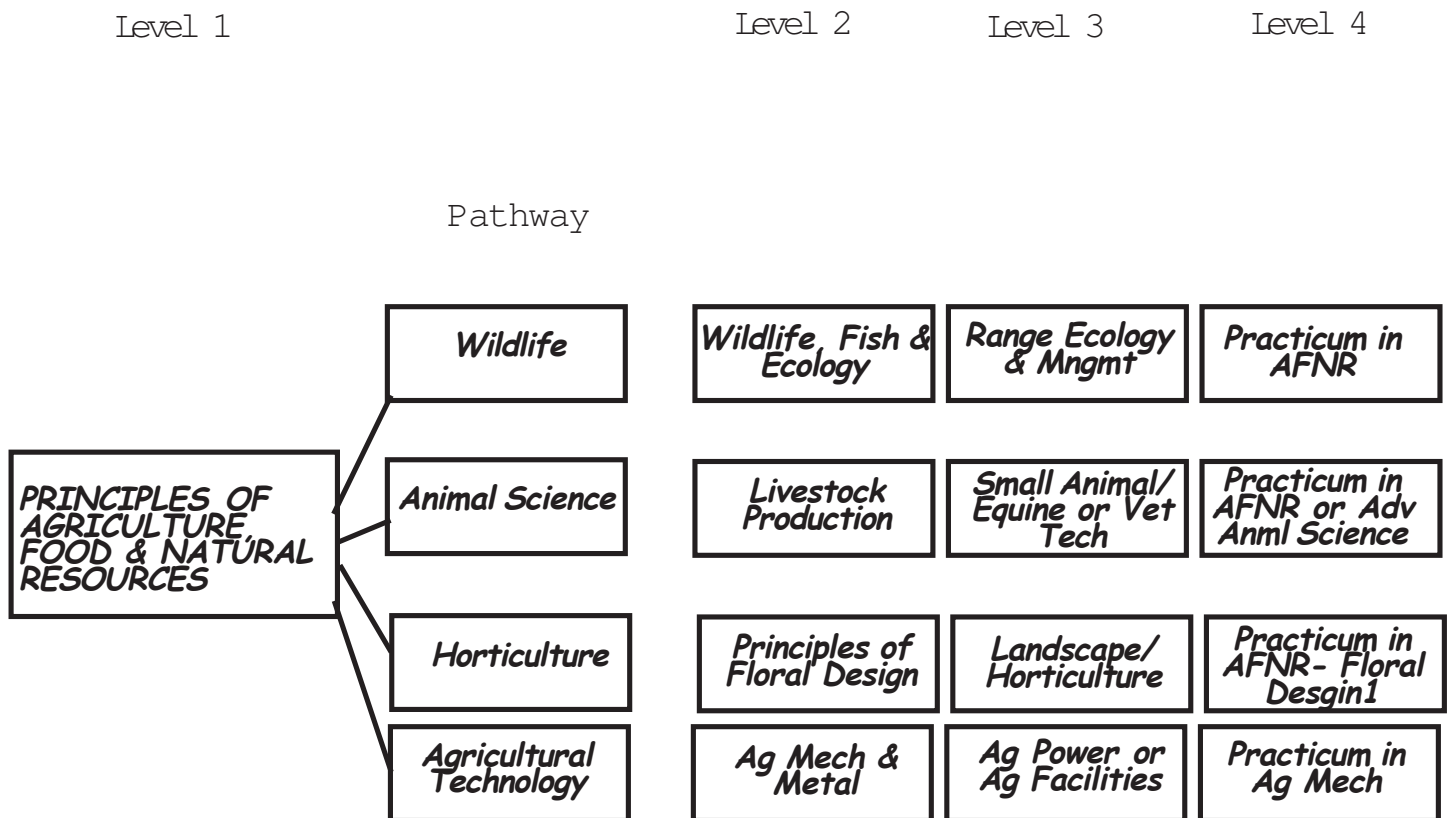
In BIM II, students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce or postsecondary education. Students apply technical skills to address business applications of emerging technologies,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

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

# AGRICULTURAL SCIENCE & TECHNOLOGY

This cluster includes the study of processing, production, distribution, financing, and development of agricultural commodities and natural resources. All students in these courses are required to maintain some type of Supervised Agricultural Experience Program. The student, parent, and agriculture teacher will develop this program. The FFA student organization contributes to the advancement of leadership, citizenship, personal growth, and academic and technological skills. Students will not be able to enter the course at mid-year. Students not enrolled in an Agriculture, Food and Natural Resources will not be eligible for FFA membership.

The following course sequences are suggestions in a particular Agricultural pathway. The courses in level 2 and 3 can be taken in any order in some of the sequences. Refer to the course descriptions for prerequisites.



# AGRICULTURAL SCIENCE & TECHNOLOGY

## **PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES**

1 Credit (2 Sems.)  
**Prerequisite: Grades 9-10**

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations. To prepare for success, students need to have opportunities to learn, reinforce, experience, apply, and transfer their knowledge and skills in a variety of settings. This is the introductory course to all coherent sequences in Agriculture.

## **WILDLIFE FISHERIES AND ECOLOGY MANAGEMENT**

1 Credit (2 Sems.)  
**Prerequisite: Grade 10-12, Principles of Ag**

This course prepares students for careers in natural resource systems. This course examines the management of game and non-game wildlife species, fish, and aquacrops. This course covers the fast growing Environmental Industry. It includes Hunter Safety Certification, Wildlife identification, taxidermy, and wildlife management control.

## **RANGE ECOLOGY AND MANAGEMENT**

1 Credit (2 Sems.)  
**Prerequisite: Grade 11-12, Wildlife Fisheries & Ecology Management**

This course is designed to provide information regarding the management and ecology aspects of rangelands. Instruction will include the study and development of technical skills in renewable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. Information and safe working practices, recordkeeping, career exploration, and leadership will be included.

## **LIVESTOCK PRODUCTION**

1 Credit (2 Sems.)  
**Prerequisite: Grades 10-12, Principles of Ag.**

This course is designed to develop knowledge and skills pertaining to nutrition, reproduction, health and management of domesticated livestock. Students will have hands-on experience with management and surgical experience of livestock. Animal species to be addressed in this course may include, but are not limited to, beef cattle, dairy cattle, swine, sheep, goats, and poultry.

## **SMALL ANIMAL MANAGEMENT**

.5 Credit (1 Sems.)  
**Prerequisite: Grades 10-12, Principles of Ag.**

Students will be provided with opportunities to learn, reinforce, and apply information in a variety of settings in the areas of small animal, systems/business and associations. Subject areas in this course to be covered are but not limited to: small mammals, amphibians, reptiles, birds, dogs, cats and species specific information. Study will also highlight ownership, hazards, and welfare of small animals.

## **EQUINE SCIENCE**

.5 Credit (1 Sems.)  
**Prerequisite: Grades 10-12, Principles of Agriculture, Food and Natural Resources.**

Equine Science prepares students for careers in the field of animal science, students need to enhance academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations.

## **ADVANCED ANIMAL SCIENCE**

1 Credit (2 Sems.)  
**Prerequisite: Biology and Chemistry or IPC; Livestock and pass Biology STAAR.**

This course is designed to develop knowledge and skills pertaining to advanced animal nutrition, reproduction, health, biotechnology, genetics, anatomy and management of livestock. This course will not receive weighted (extra) points in Academic Average calculation.

## **VETERINARY MEDICAL APPLICATIONS**

1 Credit (2 Sems.)  
**Prerequisite: Livestock**

This course is to prepare students for careers in the field of animal science. Students need to 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. Topics covered in this course include, but are not limited to, veterinary practices as they relate to both large and small animal species.



# AGRICULTURAL SCIENCE & TECHNOLOGY

## AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

1 Credit (2 Sems.)

**Prerequisite:** Grades 10-12, Principles of Ag.

This course is designed to develop an understanding of basic mechanical skills. The first semester will cover safety, tool use and identification, plumbing, electricity, wood working, surveying and concrete construction. The last semester will concentrate on welding and metal skills. Students will complete a welding project.

## AGRICULTURAL FACILITIES DESIGN & FABRICATION

1 Credit (2 Sems.)

**Prerequisite:** Grades 11-12, Agricultural Mechanics & Metal Tech.

A laboratory oriented course designed to teach the basic principles of agricultural mechanics, including: blue-print reading and implementation, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Structures constructed in this class could include, but not limited to: large and small trailers, wooden structures, outdoor recreational facilities, and other metal fabrication projects. CNC PlasmaCam design and fabrication will be taught and applied in this class. Students will be responsible for purchasing materials or assessed a fee associated with this course.

## AGRICULTURAL POWER SYSTEMS

1 Credit (2 Sems.)

**Prerequisite:** Grades 11-12, Agricultural Mechanics & Metal Tech.

This course prepares students for careers in agricultural power, structural, and technical systems. Students will learn entry requirements, industry certifications, and industry expectations. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery.

## PRACTICUM IN AGRICULTURAL MECHANICS

2 Credits (2 Sems.)

**Prerequisite:** Grade 12, Agricultural Mechanics & Metal Tech and Ag Power Systems OR Ag Facilities Design & Fabrication and Instructor approval.

A laboratory oriented course designed to teach the basic principles of agricultural mechanics, including: blue-print reading and implementation, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, small engine and power systems, metal construction and large project building. Structures constructed in this class could include, but not limited to: large and small trailers, wooden structures, outdoor recreational facilities, and other metal fabrication projects. CNC PlasmaCam design and fabrication will be taught and applied in this class. Students will be responsible for purchasing materials or assessed a fee associated with this course.

## PRACTICUM IN AGRICULTURE, FOOD AND NATURAL RESOURCES

1 Credit (2 Sems.)

**Prerequisite:** Grade 12, Completion of 3 courses in one of the following pathways: Wildlife, Food Technology or Animal Science, and Instructor approval.

This is a laboratory based course to culminate the knowledge and skills learned in previous courses.

## PRINCIPLES AND ELEMENTS OF FLORAL DESIGN

1 Credit (2 Sems.)

**Prerequisite:** Grades 10-12, Principles of Ag.

This course prepares students for careers in floral design, students need to attain academic skills and knowledge as well as 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. This course is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design as well as develop an understanding of the management of floral enterprises. Through the analysis of artistic floral styles and historical periods, students develop respect for the traditions and contributions of diverse cultures. Students respond to and analyze floral designs, thus contributing to the development of lifelong skills of making informed judgments and evaluations. This course will satisfy a **fine arts credit**. Students may obtain a Floral Certification with this course.

# AGRICULTURAL SCIENCE & TECHNOLOGY

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## LANDSCAPE DESIGN AND TURF GRASS MANAGEMENT

.5 Credit (1 Sem.)

**Prerequisite:** Grades 10-12, Principles of Ag.

This course prepares students for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of landscape and turf grass management techniques and practices. Possible certifications include Private Pesticide Applicator, Safe Tractor and Machinery Operation, and Texas Certified Nursery Professional.

## HORTICULTURE SCIENCE

1 Credit (2 Sems.)

**Prerequisite:** Grades 11-12, Principles and Elements of Floral Design or Landscape Design.

To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to horticulture 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 in a variety of settings. This course is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. Possible certifications are Private Pesticide Applicator, Texas Certified Nursery Professional and Texas Master Gardener.

## ADVANCED PLANT AND SOIL SCIENCE

1 Credit (2 Sems.)

**Prerequisite:** Grade 12, Principles of Floral Design OR Landscape Design and Horticulture Science and Instructor approval.

A course designed to study the exploration of principles related to plant production and the management of soils as related to agriculture. Included in the course are experiments, laboratory explorations, and the study of soil and plant relationships that affect the production of food and fiber.

## PRACTICUM IN AG, FOOD, & NATURAL RESOURCES - FLORAL DESIGN I

1 Credit (2 Sems.)

**Prerequisite:** Grade 11-12, Principles of Floral Design OR Landscape Design and Horticulture Science and Instructor approval.

A laboratory-oriented course designed to develop skills in the various technical areas of the horticulture industry. The major focus is preparing individuals to perform horticulture related skills. The course emphasizes greenhouse and nursery crop production; landscaping; floral design; and fruit, nut, and vegetable crop production. Instruction will include information on career opportunities, leadership activities, and recordkeeping practices related to the horticulture industry. Students will be responsible for purchasing materials or assessed a fee associated with this course.

## PROFESSIONAL STANDARDS IN AGRIBUSINESS

.5 Credit (1 Sem.)

**Prerequisite:** Grades 10-12., Principles of Ag.

This course prepares students for careers in agribusiness systems. This course primarily focuses on leadership, communication, employer-employee relations, and problem solving as they relate to agribusiness. Students will be required to complete and participate in a Mock Trade Show. This course will satisfy Speech credit for graduation.

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# SCHOOL/WORK PROGRAM

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## CAREER PREPARATION I & II

3 Credits (2 Sems.)

**Prerequisites:** Grades 11-12 with approved application. Must be at least 16 years of age with valid work documentation (social security card).

This work-based course is designed to develop fundamental work skills, a healthy work attitude, and on-the-job training that combine academic training with practical work experience compatible with the student's career objective. Students receive on-the-job training in various career and technical-affiliated occupations. An approved job must be secured by the 1<sup>st</sup> Friday of the school year. Work stations must be approved by the instructor. Students must participate in local drug testing program, work an average of 15 hours per week and have reliable transportation.

# EDUCATION

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## **PRINCIPLES OF EDUCATION AND TRAINING ( READY, SET, TEACH I)**

1 Credit (2 Sems.)

Students will explore various careers available within the education and training career cluster and the personal characteristics which are required to be successful in this field. The course covers a variety of topics including learning processes, education theory, classroom management, child development and lesson planning. Students will research topics in education including teacher training, interview processes and ethics in the workplace.

## **INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING ( READY, SET, TEACH II)**

1-2 Credit s (2 Sems.)

**Prerequisites: Principles of Education, Grades 11-12, approved application. Limited positions available.**

In the level II class, qualified juniors and seniors learn the basic building blocks of classroom instruction and learn to distinguish specific techniques in classroom observations. Most of their field site work is based on watching teachers and students engaged in the learning process. Students also assist teachers in creating instructional materials, grading student work, etc. Limited positions are available. Troy ISD will obtain a criminal history record on all applicants. Students must have reliable transportation and must participate in the local drug testing program to enroll in this course.

## **PRACTICUM IN EDUCATION AND TRAINING (READY, SET, TEACH III)**

1-2 Credit s (2 Sems.)

**Prerequisites: Grades 12, approved application. Limited positions available.**

A field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective mentorship practices. Students work under the joint direction and supervision of a teacher on one of the satellite campuses. 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. Limited positions are available. Troy ISD will obtain a criminal history record on all applicants. Students must have reliable transportation and must participate in the local drug testing program to enroll in this course.

# MISCELLANEOUS COURSES

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## **STUDENT AIDE--OFFICE, LIBRARY, TEACHER**

1 Credit (2 Sems.)

**Prerequisite: Grade 11-12 and special permission.**

There are a limited number of aide positions available, so top priority will be given to seniors and students who are on campus for a full day. Students must be approved by a specific teacher before entering TEACHER AIDE. This class will count as a class for class load, but does not earn a state credit toward graduation.

# OFF-CAMPUS CAREER COURSES

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## TEMPLE HIGH SCHOOL

There several courses available that can be taken at Temple High School. **Students must be able to provide transportation to and from the Temple High School campus** and will be expected to follow all rules set forth by Temple High School administration while attending classes on their campus. Efforts will be made to coordinate Temple HS and Troy HS schedules, however, conflicts may arise. Temple HS reserves the right to close courses to Troy HS students if enrollment is high. If you are interested in taking a course at Temple High School, see Troy High School counselor for extensive list of courses. See below for a limited list.

***Cosmetology I & II***  
***Culinary Arts***  
***ROTC I-IV***

***Automotive Technology***  
***Collision, Repair & Refinishing***

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## GREATER WACO ADVANCED MANUFACTURING ACADEMY

GWAMA is a unique and innovative collaboration between the local business community and the Waco Independent School District. What sets GWAMA apart from the vocational schools of the past is that our program is designed for all students, not just those who would not be successful at a traditional school. GWAMA immerses the career and technical education courses of welding, precision metal manufacturing, and electronics, into science and mathematics courses. The instructors work hard to create lessons in math and science that integrate with welding and metal bending. The following programs are offered at GWAMA.

***Electronics & Robotics***  
***Precision Metal Manufacturing***  
***Welding***  
***Construction Science***

***Website: [gwama.wacoisd.org](http://gwama.wacoisd.org)***

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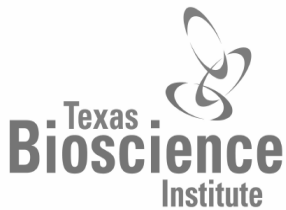
## GREATER WACO ADVANCED HEALTHCARE ACADEMY

GWAHCA is open to junior and senior high school students in Central Texas who are interested in the medical profession. Students will have the opportunity to earn a Certified Nursing Assistant (CNA) during their first year and will have opportunity to do clinical rotations at various facilities in Waco during their second year. Prerequisites : Biology & Chemistry

***Website: [mcca.wacoisd.org](http://mcca.wacoisd.org)***

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*Students interested in applying to GWAMA or GWAHCA must be in grades 11 or 12. You may visit the websites listed above for additional information . There is an application process due to the fact that there are a limited number of spaces available in each academy. Selection will be based on the application, grades, attendance, and behavior. Troy ISD will pay the tuition required, but students will be responsible for any additional fees. Transportation will be provided to and from the academies. Students will be required to sign a commitment form stating that you commit to attend the Academy for the entire school year.*



The Texas Bioscience Institute is a Middle College program established to prepare students for higher education and careers in today's biotechnology, research, and medical fields. The rigorous yet innovative curriculum concentrates on math, science, and technology. The Texas Bioscience Institute is a unique program in which students can receive as much as two years of college credit while completing the last two years of high school.

Students attending the Institute will be engaged in real world project-based curriculum. Located on Scott and White Hospital's West Campus next to the Cancer Research Center, the Texas Bioscience Institute and its world class researchers will conduct seminars for the students enabling them to witness how what is learned in the classroom is applied to a real world situation. There is an emphasis on biotechnology in a structured environment with high standards for academic and personal success. Core courses such as College Algebra, Pre-Calculus, Calculus, Statistics, College Chemistry, Biology, and Biotechnology are introduced in the first year. Prior to the second year, a student can apply for the AAS program in Biotechnology or specialize in another field that is rich in math and science. Technology is utilized and examined in all curriculum areas so that students learn to use it as a means to other educational and career goals. This experience enlightens students on the role technology plays in society. For example, students learn technical writing in the English classes that can be used in research later.

Our commitment is that students have the opportunity to learn in an exciting action oriented atmosphere. The Texas Bioscience Institute students will meet and exceed regional averages in test performance; they will leave the Institute with a broad range of technical, social, and personal skills. The Institute graduate will possess:

- Credits toward a college degree
- Institute Cord to wear at graduation
- Letter added to HS/College transcript indicating Bioscience Institute training
- Strong written and oral communications skills
- Knowledge in biotechnology and research
- Advanced knowledge and skills in selected area of specialization
- The ability to learn and work both individually and as a team
- An understanding of and commitment to the broader community

## Requirements for Entrance

1. **Must be 11th or 12th grade student,**
2. **Student must have completed Algebra II, Biology I, and Chemistry prior to starting the Texas Bioscience Institute,**
3. **Student must meet one of the following test requirements:**
  - SAT composite scores of 1070 with a 500 Critical Reading and 500 Math, or**
  - ACT composite score of 23 with a minimum score of 19 in English and 19 in Math, or**
  - TSI-meet specified requirements.**
4. **Student must complete an application and be selected by a district committee. The district may require a minimum number of students to participate in order for the district to justify the cost of participation.**

# FOUR-YEAR PLAN Worksheet

- Graduation Plan:  Stem  
 Business & Industry  
 Public Services  
 Arts & Humanities  
 Multi-Disciplinary Studies

9th	10th	11th	12th

**Other Credits Earned:** \_\_\_\_\_  
*(summer school, correspondence, etc.)*  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**STAAR End-Of-Course Exams:**  
 Engl 1 \_\_\_\_\_ Engl 2 \_\_\_\_\_ US Hist \_\_\_\_\_  
 Alg 1 \_\_\_\_\_ Bio \_\_\_\_\_

# Troy High School Personal Graduation Checklist

Endorsement Selected:  STEM

Public Services

Business and Industry

Multi-Disciplinary Studies

Arts and Humanities

Foundation Plan – 22 Credits	Endorsements – 26 Credits	Distinguished Eligible for top 10% Automatic Admission
<p><b>English Language Arts – 4 Credits</b></p> <ul style="list-style-type: none"> <li>🍏 English 1</li> <li>🍏 English 2</li> <li>🍏 English 3</li> <li>🍏 English 4</li> </ul> <p><b>Mathematics – 3 Credits</b></p> <ul style="list-style-type: none"> <li>🍏 Algebra I</li> <li>🍏 Geometry</li> <li>🍏 Math</li> </ul> <p><b>Social Studies – 3 Credits</b></p> <ul style="list-style-type: none"> <li>🍏 World History</li> <li>🍏 US History</li> <li>🍏 Government/Economics</li> </ul> <p><b>Science – 3 Credits</b></p> <ul style="list-style-type: none"> <li>🍏 Biology</li> <li>🍏 IPC or Advanced Science</li> <li>🍏 Additional Advanced Science</li> </ul> <p><b>Foreign Language or Sub – 2 Credits</b></p> <ul style="list-style-type: none"> <li>🍏 Spanish 1</li> <li>🍏 Spanish 2</li> </ul> <p><b>Fine Arts – 1 Credit</b></p> <ul style="list-style-type: none"> <li>🍏 ^ _____</li> </ul> <p><b>Physical Education – 1 Credit</b></p> <ul style="list-style-type: none"> <li>🍏 Physical Education</li> </ul> <p><b>Electives – 5 Credits</b></p> <ul style="list-style-type: none"> <li>🍏 Elective 1 _____</li> <li>🍏 Elective 2 _____</li> <li>🍏 Elective 3 * _____</li> <li>🍏 Elective 4 * _____</li> <li>🍏 Elective 5 _____</li> </ul>	<p><b>STEM( Must include Alg.2 &amp; Physics)</b></p> <ul style="list-style-type: none"> <li>🍏 Adv Math</li> <li>🍏 Adv Science</li> <li>🍏 Adv Math or Science</li> <li>🍏 Elective 1 _____</li> </ul> <p><b>Business and Industry</b></p> <ul style="list-style-type: none"> <li>🍏 Adv Math</li> <li>🍏 Adv Science</li> <li>🍏 CTE Elective 1 _____</li> <li>🍏 CTE Elective 2 _____</li> <li>🍏 CTE Elective 3 * _____</li> <li>🍏 CTE Elective 4 * _____</li> </ul> <p><b>Arts and Humanities</b></p> <ul style="list-style-type: none"> <li>🍏 Adv Math</li> <li>🍏 Adv Science</li> </ul> <p><b>Social Studies</b></p> <ul style="list-style-type: none"> <li>🍏 World Geography</li> <li>🍏 Psych/Sociology</li> </ul> <p><b>Fine Arts:</b></p> <ul style="list-style-type: none"> <li>🍏 _____</li> <li>🍏 _____</li> <li>🍏 _____</li> <li>🍏 _____</li> </ul> <p><b>English:</b></p> <ul style="list-style-type: none"> <li>🍏 _____</li> <li>🍏 _____</li> <li>🍏 _____</li> <li>🍏 _____</li> </ul> <p><b>Public Services</b></p> <ul style="list-style-type: none"> <li>🍏 Adv Science</li> <li>🍏 CTE Elective 1 _____</li> <li>🍏 CTE Elective 2 _____</li> <li>🍏 CTE Elective 3 * _____</li> <li>🍏 CTE Elective 4 * _____</li> </ul> <p><b>Multidisciplinary Studies</b></p> <ul style="list-style-type: none"> <li>🍏 Adv Math</li> <li>🍏 Adv Science</li> </ul> <p style="text-align: center;"><b>4x4</b></p> <ul style="list-style-type: none"> <li>🍏 Additional Social Studies</li> <li>🍏 Elective _____</li> <li>🍏 Dual Credit</li> <li>🍏 _____</li> <li>🍏 _____</li> <li>🍏 _____</li> <li>🍏 _____</li> </ul>	<p style="text-align: center;"><b>Performance Acknowledgements:</b></p> <ul style="list-style-type: none"> <li>🍏 4 Math to include Algebra II</li> <li>🍏 4 Science</li> </ul> <p> <ul style="list-style-type: none"> <li>🍏 Dual Credit Course (12 hrs with 3.0+)</li> <li>🍏 AP Test (3+)</li> <li>🍏 PSAT (commended scholar)</li> <li>🍏 ASPIRE(2+ college ready)</li> <li>🍏 SAT (1250+)</li> <li>🍏 ACT (28+)</li> <li>🍏 Earning a business or industry certification or license</li> <li>🍏 Spanish 3 plus 4 ELA credits (80+)</li> </ul> </p> <p style="text-align: center;"><b>STAAR EOC Checklist</b></p> <ul style="list-style-type: none"> <li>🍏 English I</li> <li>🍏 English II</li> <li>🍏 Algebra I</li> <li>🍏 Biology</li> <li>🍏 US History</li> </ul> <p style="text-align: center;"><b>Plans for the Future</b></p> <p><b>Plans after HS Graduation</b></p> <ul style="list-style-type: none"> <li>🍏 2-year College</li> <li>🍏 Technical Training</li> <li>🍏 4-year College</li> <li>🍏 Military</li> <li>🍏 Other</li> </ul> <p><b>Testing</b></p> <ul style="list-style-type: none"> <li>🍏 ASPIRE _____</li> <li>🍏 PSAT _____</li> <li>🍏 SAT _____</li> <li>🍏 ACT _____</li> </ul> <p><b>College Readiness - TSI</b></p> <ul style="list-style-type: none"> <li>🍏 Math _____</li> <li>🍏 Reading _____</li> <li>🍏 Writing _____</li> </ul> <p><b>College Preparatory Courses</b></p> <ul style="list-style-type: none"> <li>🍏 Math _____</li> <li>🍏 English _____</li> </ul> <p><b>Financial Aid</b></p> <ul style="list-style-type: none"> <li>🍏 FAFSA</li> <li>🍏 Scholarships</li> </ul>

# HELPFUL WEB SITES

There are a number of Web Sites that provide excellent college, test-taking and financial aid information. Below are some of the best and most popular.

## **College Information and Searches**

[www.collegefortexans.com](http://www.collegefortexans.com)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.collegenet.com](http://www.collegenet.com)  
[www.petersons.com](http://www.petersons.com)  
[www.collegeview.com](http://www.collegeview.com)

## **Testing Tips and Information**

[www.collegeboard.com](http://www.collegeboard.com)  
[www.actstudent.org](http://www.actstudent.org)  
[www.testprepreview.com](http://www.testprepreview.com)  
[www.ineedapencil.com](http://www.ineedapencil.com)  
[www.march2success.com](http://www.march2success.com)  
[www.number2.com](http://www.number2.com)  
[www.4tests.com](http://www.4tests.com)  
[www.studyguidezone.com](http://www.studyguidezone.com)

## **Financial Aid/Scholarship Searches**

[www.scholarships.com](http://www.scholarships.com)  
[www.fastweb.com](http://www.fastweb.com)  
[www.finaid.org](http://www.finaid.org)  
[www.gocollege.com](http://www.gocollege.com)  
[www.wiredscholar.com](http://www.wiredscholar.com)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.fafsa.ed.gov](http://www.fafsa.ed.gov) (FAFSA on the web)

Visit the **COUNSELOR'S CORNER** on  
[www.troyisd.org](http://www.troyisd.org)  
for scholarship information and other  
opportunities as they become available.

# NOTES