

TROY HIGH SCHOOL **2015-2016** **Course Catalog**

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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.

Troy High School
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General Information

2015-2016 SCHOOL DAY

Classes will begin at 8:00 a.m. and end at 3:35 p.m. 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 may 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 2015-2016 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.

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.

HONOR GRADUATES

Honor graduates must have a 90.0 overall cumulative academic average (AA-see page 3) AND meet graduation requirements for the Recommended or Distinguished graduation plan (entered hs 2013-2014 and before or earn an Endorsement (entered hs 2014-2015 and after) . 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 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.

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.

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. A student may be an aide for one class period their junior OR senior year. Students will receive local credit for aide period.

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 Advanced Geometry
Advanced Algebra 2
Pre-AP Precalculus
Pre-AP English
Advanced Biology
Advanced Chemistry
Anatomy & Physiology
Advanced 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%, 3rd quartile, and 4th 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 Recommended or Distinguished Graduation plans as described in 19 TAC Chapter 74.

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*,
- 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.

2015-2016 Testing Information

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

Students who enter high school in 2011-2012 and thereafter will be required to take STAAR tests. House Bill 5 passed by the 83rd Texas Legislature and signed by the governor, require students to pass 5 STAAR assessments. Students take each STAAR test when they complete the following courses and are required for graduation.

English 1
English 2
Algebra 1
Biology
USHistory

All dates are subject to change.

Summer 2015--retest only

July 6--English 1
July 7--Algebra 1
July 8--English 2
July 9--Biology &
US History

Early Spring 2016--first time & retest

March 29--English 1
March 31--English 2

Fall 2015--retest only

December 7--English 1
December 8--Algebra 1
December 9--English 2
December 10--Biology &
US History

Late Spring 2016-- first time & retest

May 2-6--Testing window *
Algebra 1
Biology
US History.

May 10--English 3
May 11--Algebra 2

Summer 2016--retest only

July 11--English 1
July 13--English 2

July 11-15--Testing window *
Algebra 1
Biology
US History

*Specific dates will be determined at a later time.

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.

2015-2016 Testing Information

COLLEGE ENTRANCE EXAMS

ASPIRE

The ASPIRE is sponsored by the American College Testing program. It will be given in the spring to 10th grade students interested in taking it. Students will need to register and pay a fee to take this test. This exam is a great way for students to see how they may perform on the ACT test. Students will be given a score report that will show them exactly what questions they missed along with their test booklet. This is an excellent way to prepare for the ACT. The ASPIRE also has an interest inventory that will aid students as they explore various career options.

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. 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.**

Preliminary SAT -- PSAT

Sponsored by the College Board, the PSAT is a test that uses the same format as the SAT I, but is shorter. It will be given in **October 2015**. Interested 10th or 11th grade students will need to register and pay a fee to take this test. The PSAT results are reported as a verbal, math and writing scores on a scale of 20-80. A selection index is composed of a score equal to CR+M+W. This test is useful as an indicator of SAT scores and/or for test practice. Students may take the test as a 10th grader, and are strongly encouraged to take the test again as an 11th grader. The PSAT 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. Registration specifics will be announced in September.

SAT Reasoning Test

Developed and administered by the Educational Testing Service (ETS) for College Board, the SAT Reasoning Test is designed to measure mathematical and verbal reasoning skills. The SAT Reasoning Test includes test items in math, critical reading, and writing. The SAT also includes a student-written essay. Students interested in learning more about the SAT Reasoning Test or information about specific dates, locations and registration may visit 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.

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 during the Spring of their Senior year to see if TSI is required and how to register. 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.

Exemptions

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

- STAAR - a 4000 on Alg 2 EOC and a 2000 on Engl 3 Reading EOC and 2000 on Engl 3 Writing EOC (when available).
- TAKS (Exit Level) **2200 or higher in math AND/OR 2200 or higher in ELA with a writing score of at least 3.**
- ACT composite score of **23 or higher** with English and/or math individual scores equal to or greater than 19.
- SAT combined scores of **1070 or higher** with verbal and/or math individual scores equal to or greater than 500.

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

GRADUATION REQUIREMENTS

For students entering high school in 2013-14 and before

	MINIMUM	RECOMMENDED	DISTINGUISHED
ENGLISH:	4 Credits English 1, 2, 3, & 4	4 Credits English 1, 2, 3, & 4	4 Credits English 1, 2, 3, & 4
MATHEMATICS:	3 Credits to include Alg. 1 & Geom.	4 Credits to include Alg 1, Geom, Alg 2 *	4 Credits to include Alg 1, Geom, Alg 2 * (may not include Math Models)
SCIENCE:	2 Credits to include Biology & IPC	4 Credits from Biology, Chemistry & Physics *	4 Credits from Biology, Chemistry & Physics (may not include IPC) *
SOCIAL STUDIES:	3.5 Credits to include W Geog, W Hist, US Hist, Gov't (.5) ^	3.5 Credits to include W Geog, W Hist, US Hist, Gov't (.5)	3.5 Credits to include W Geog, W Hist, US Hist, Gov't (.5)
ECONOMICS:	.5 Credit	.5 Credit	.5 Credit
FOREIGN LANGUAGE:	None	2 Credits from the same language	3 Credits from the same language
PHYSICAL EDUCATION:	1 Credit	1 Credit	1 Credit
HEALTH:	.5 Credit	.5 Credit	.5 Credit
TECHNOLOGY APPLICATIONS:	1 Credit	1 Credit	1 Credit
FINE ARTS:	1 Credit	1 Credit	1 Credit
SPEECH:	.5 Credit	.5 Credit	.5 Credit
Total Before Electives:	17	22	23
Electives to Include:	7	4	3
Total Credits:	24	26	26 PLUS 4 Advanced Measures

^Student may substitute World Geography or World History with an additional science credit.

* Additional math & science credits must be selected from an approved list. IPC may be one of the 4 science credits for Recommended and must be completed prior to Chemistry & Physics.

Students who complete the Recommended or Distinguished graduation program may be eligible for the TEXAS Grant Program established to cover tuition and fees to Texas public universities, community colleges and technical schools.

GRADUATION REQUIREMENTS

For students entering high school in 2013-14 and before

ADVANCED MEASURES FOR DISTINGUISHED ACHIEVEMENT PROGRAM

The Distinguished Achievement Program recognizes students who demonstrate levels of performance equivalent to college students or work done by professionals in the arts, sciences, business, industry or in community service. Students must complete the required credits stated previously and complete any combination of 4 advanced measures listed below:

Original Research and/or Project:

- may be an original research or project in any academic area; in the field of career and technology; or in the area of community service with a minimum of 150 clock hours of service;
- must be judged by an external panel of professionals in the field that is the focus of the research and/or project; or conducted under the direction of a mentor and reported to an appropriate audience.
- no more than 2 research and/or projects can be used as advanced measures.

Test Data:

- a score of 3 or above on AP (Advanced Placement) exam.
- PSAT recognition as a Commended Scholar or higher, National Hispanic Scholar, or National Achievement Scholarship Program for Black Students. (This item may count for only one advanced measure, regardless of the number of PSAT recognitions received.)

College Courses:

- a grade of 3.0 or higher on courses that count for college credit, including tech prep programs

Examples: 2 AP exams, 2 college courses;
4 AP exams;
1 original research/project and 3 college courses;
National Merit Commended Scholar, 2 AP exams and 1 college course;
4 college courses.

Texas Administrative Code, Title 19, Chapter 74 states that ALL students who entered the 9th grade during the 2007-2008 school year and thereafter will be required to complete the Recommended or Distinguished graduation plans in order to receive a diploma UNLESS the student, a parent/guardian, and a school counselor or administrator agree in writing that the student should be permitted to graduate Minimum AND the student:

- is at least 16 years of age;**
- has completed 2 credits required for graduation in each core area; OR**
- has failed to be promoted to Grade 10 one or more times;**

If an ARD committee makes decisions that place a student with a disability on a modified curriculum, the student will be automatically placed in the minimum program.

GRADUATION REQUIREMENTS

For students entering high school in 2014-2015 and after

House Bill 5 (HB5) passed by the Texas Legislature in 2013, made significant changes to the state's graduation requirements that will affect students entering high school in 2014-2015 and thereafter. 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 entering high school in 2014-2015 and thereafter 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.

Foundation 22 Credits

English Language Arts--Four credits

English I
English II
English III
English IV

Mathematics--Three credits

Algebra I
Geometry
Advanced Mathematics Course

Science --Three credits

Biology
IPC or Advanced Science Course
Advanced 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 9). Courses taken for a foundation requirement may also satisfy courses required under an endorsement as long as 26 total credits are earned.

GRADUATION REQUIREMENTS

For students entering high school in 2014-2015 and after

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.

STEM Science, Technology, Engineering, & Math	Business & Industry	Public Services	Arts & Humanities	Multidisciplinary Studies
<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>Option 1: Math Students take Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite. •Pre-Calculus •AP Calculus AB •AP Statistics •College Level Math</p> <p>Option 2: Science Students take Biology, Chemistry, and Physics, AND two (2) of the following courses. •AP Biology •Anatomy & Physiology •Environmental Science •Advanced Animal Science</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 & Industry endorsement by selecting and completing the requirements from among these options.</p> <p>Option 1: CTE Students earn four (4) credits by taking at least two (2) courses in the same cluster in one of the following areas •Agriculture, Food, and Natural Resources •Business Management and Administration •Information Technology with at least one (1) advanced (3rd year or higher course in the sequence).</p> <p>Option 2: Technology Students take four (4) technology credits selected from of the following courses. •Animation •Web Technology I •Digital & Interactive Multimedia •Computer Programming •Business Information Management •Audio/Video Production</p>	<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>Option 1: CTE Students earn four (4) credits by taking at least two (2) courses in the same career cluster in one of the following areas •Education and Training •Health Science •Human Services With a least one (1) advanced (3rd year or higher course in the sequence).</p> <p>Option 2: JROTC Student takes four (4) JROTC courses for 4 credits.</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 & Humanities endorsement by selecting and completing the requirements from among these options.</p> <p>Option 1: Social Studies Students take five (5) social studies courses for 5 credits.</p> <p>Option 2: Fine Arts Students take four (4) courses in the same fine arts area for 4 credits</p> <p>OR</p> <p>Students take two (2) courses in one fine arts area AND two (2) courses in a different fine arts area (two courses in each of two different fine arts areas for 4 credits).</p> <p>Option 3: English Students take four (4) English elective 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>Option 1: Four by Four Students take four (4) courses in each of the four core content areas. •Four (4) English credits including English IV •Four (4) math credit •Four (4) science credits including biology and chemistry and/or physics •Four (4) social studies credits</p> <p>Option 2: AP or Dual Students take four (4) Advanced Placement (AP) courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts. OR Students take four (4) Dual credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p>Option 3: CTE Students take four advanced courses for four (4) credits that prepare them to enter the workforce or postsecondary education without remediation from within one endorsement area or among endorsement areas not in a coherent sequence.</p>

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 in October. Students will have to register and pay for this exam. See page 5 for details.
- Take ASPIRE when offered. See page 5 for details.
- Save results of PSAT & ASPIRE for future reference and to use as study guide for SAT & ACT.
- 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> or other websites listed in back of this catalog to begin understanding the college and financial aid process.

JUNIOR

Fall:

- Take PSAT in October. Students will have to register and pay for this exam. See page 5 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 & ASPIRE results to assess weaknesses and strengths before spring testing. PSAT & ASPIRE are excellent study tools for SAT & 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. Get a head start by taking dual credit or concurrent enrollment courses at Temple College during summer or senior year.
- **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 5 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.

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, 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.

COLLEGE PLANNING TIMELINE

SENIOR (Continued)

September:

- Got to www.pin.ed.gov to get a personal ID number (pin) needed to file FAFSA (financial aid form) in February.
- 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.

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.

November:

- Write thank you notes to people writing recommendations.
- Write thank you notes to college rep who has been especially helpful.
- Encourage parents to get information ready to prepare tax forms early in Spring so you can complete FAFSA.
- Go to www.pin.ed.gov and apply for a PIN number for FAFSA application.

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 "Counselor Corner" for a list of area scholarship opportunities.
- Attend FAFSA meeting held by Troy HS counselor and plan to file FAFSA electronically at www.fafsa.ed.gov or by mail. This is the first step to applying for grant money.
- 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!

Non-Traditional Ways to Earn High School & College Credit

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 30 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. Prior approval by Troy HS is required. Students are responsible for Temple College tuition and fees.

Eligibility Requirements:

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

1. Successful completion of 10th Grade; AND
2. Take the Texas Success Initiative (TSI) assessment, or be exempt based on PSAT or STAAR 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
Music Appreciation - .5 credit	MUSI 1306 - Music Appreciation - 3 hours

Exemption Policy

The intent of the exemption policy for semester exams is to provide positive reinforcement to students for good attendance and for success on the state assessment. 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, Advanced Geometry, Math Models, Algebra II, Advanced Algebra II, Pre-calculus;
- Biology, Advanced Biology, IPC, Chemistry, Advanced Chemistry, Physics, Advanced 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 STAAREOC's may be exempt as follows:

- Students who pass the STAAREOC exam in the corresponding core tested areas may be exempt from the semester exam in that core content area in the Spring Semester.
- In order to be exempt from semester exams in social studies (World Geography or World History) prior to taking the US History state assessment, students must have passed all previous STAAR EOC exams in every state assessed content area in the current and previous years.

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, 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. 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.



AchieveTexas is an education initiative designed to prepare students for a lifetime of success. It allows students to achieve excellence by preparing them for secondary and postsecondary opportunities, career preparation and advancement, meaningful work, and active citizenship.

AchieveTexas is designed to help students (and their parents) make wise education choices. It is based on the belief that the curricula of the 21st century should combine rigorous academics with relevant career education. When schools integrate academic and technical education, students can see the “usefulness” of what they are learning. The system also facilitates a seamless transition from secondary to postsecondary opportunities.

Jobs in the twenty-first century will require both high academic and technical skills. Primarily because of the ever-changing technology, our society will see many new job titles and work areas added each year. This makes it especially important for students to begin thinking early about what types of careers they might want to develop and then plan a rigorous high school program that will give them more opportunities for success.

Students can visit the **AchieveTexas** website at www.achievetexas.org to explore the following 16 Career Clusters. Students are encouraged to take high school courses that lead into these career clusters as well as plan their post-secondary training accordingly.



PLAN YOUR OWN FUTURE

www.careers.org

www.achievetexas.org

www.bigfuture.collegeboard.org/majors-careers

Your possibilities are unlimited.

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. A variety of texts will be read including fiction, nonfiction, literature, poetry, plays, expository, and short stories, in addition to outside reading assignments. 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 and preparation for entering AP English III. 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 the English language 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 11 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.**

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: Grades 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.

This will be linked with Film-Visual Media.

ENGLISH / LANGUAGE ARTS

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.

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.

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.

Repeatable Classes:

Newspaper I, II, & III - Students may take this course for up to **3 total** credits.

Humanities - Students may take this course twice for up to **2 total** credits.

Creative Writing - Students may take this course twice for up to **1 total** credit.

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.)

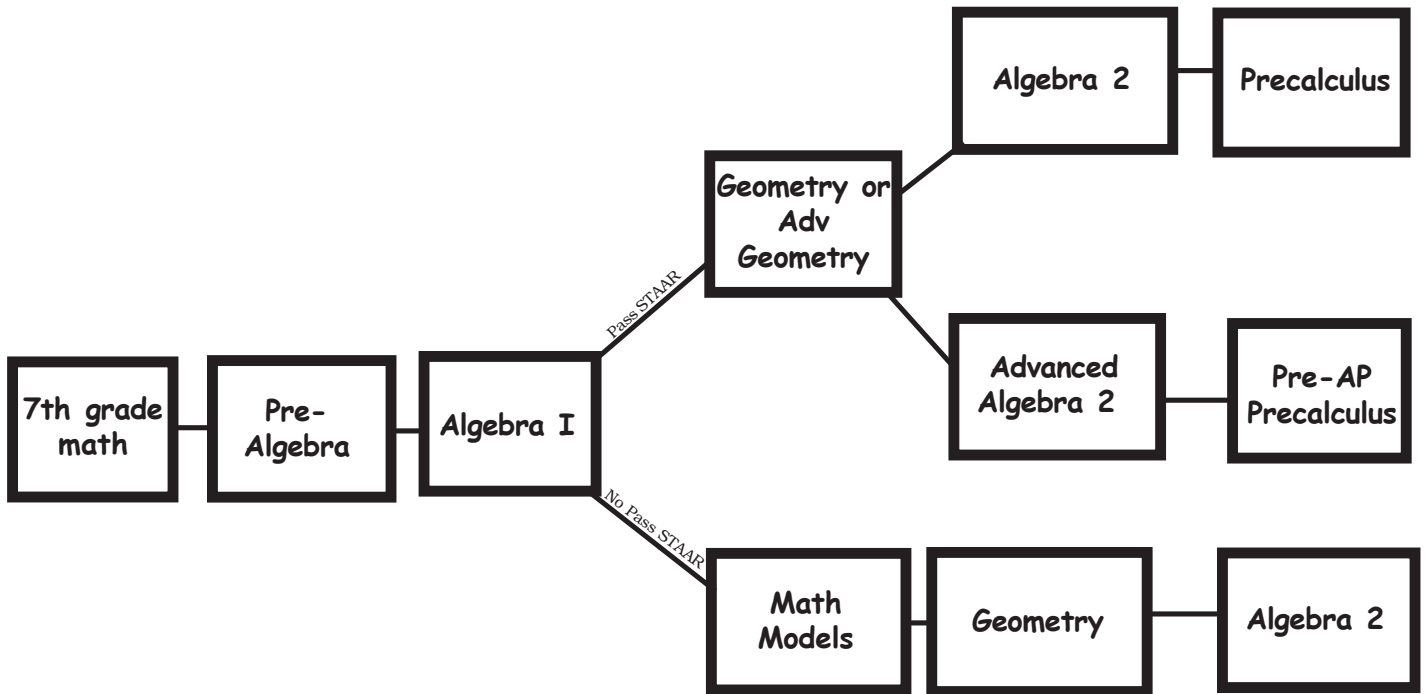
Prerequisite: Grades 10-12. Journalism and Teacher Recommendation.

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

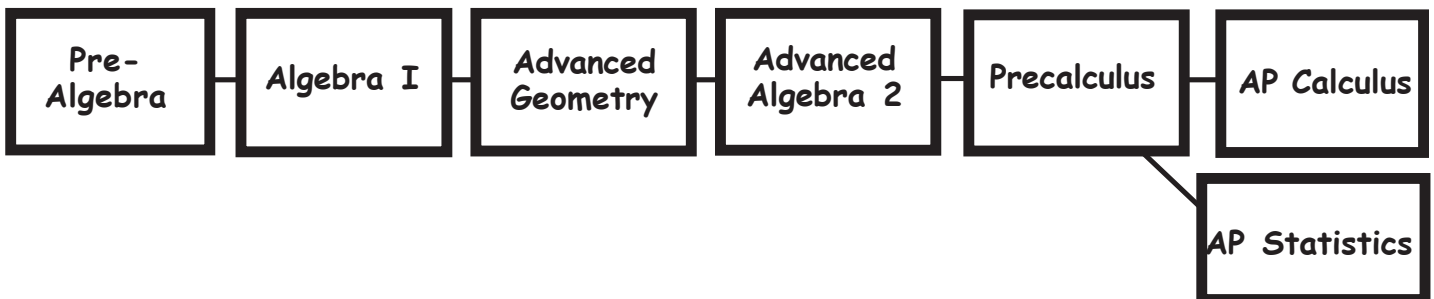
Grades 7-12

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



Student may use Math Models as one of four math credits IF it is taken prior to Algebra 2. Students completing Algebra 2 as their 3rd math MUST follow with Precalculus.

To remain in this sequence, student must pass all STAAR tests.



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.

MATHEMATICAL MODELS WITH APPLICATIONS

1 Credit (2 Sems.)

Prerequisite: Algebra I.

This course is designed to expand the student's previous math foundations using algebraic, graphical, and geometric reasoning. Students will use a variety of representations, tools, and technology to solve applied problems.

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.

ADVANCED 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: Math Models and Grade 12.

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.

ADVANCED ALGEBRA II

1 Credit (2 Sems.)

Prerequisite: * Adv. Geometry, teacher recommendation.

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. This course is prerequisite for Precalculus.

PRECALCULUS

1 Credit (2 Sems.)

Prerequisite: Algebra II.

This course is designed for students interested in preparing for math courses in college. Topics include functions, series, sequences, matrices, complex numbers, conic sections, polar and parametric equations, linear regression, vectors, applications of trigonometry, and an introduction to Calculus. The focus will be on problem solving using mathematical models to represent real world situations.

Pre-AP PRECALCULUS

1 Credit (2 Sems.)

Prerequisite: * Adv Algebra II.

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 will focus on the traditional calculus topics of limits, derivatives, integrals and their applications. Students who complete AP Calculus will have a good introduction to calculus taught at the college level.

Advanced Placement (AP) STATISTICS

1 Credit (2 Sems.)

Prerequisite: * AP Statistics--Precalculus. Grades 11-12.

Statistics is a course studying the collection, tabulation, and summarization of data, and the formation of inferences that go beyond the initial data to draw broader and more meaningful conclusions. Students taking AP Statistics will be expected to take the AP exam in the spring semester.

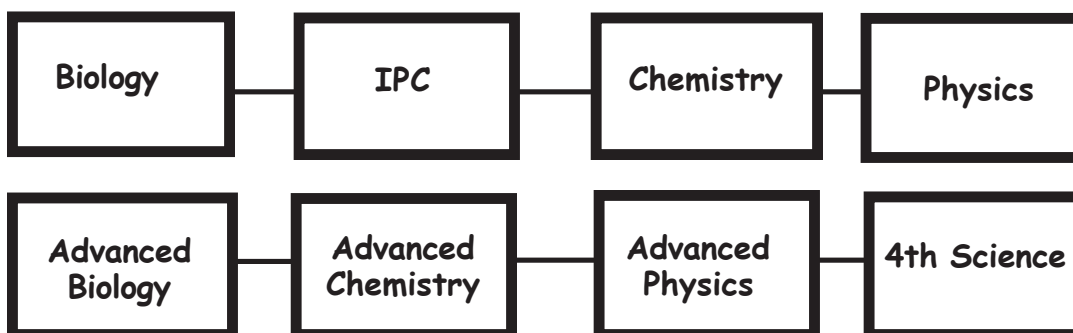
* Student and parent will be required to sign a contract and meet ongoing expectations to remain in an advanced or honors course.

SCIENCE SEQUENCE

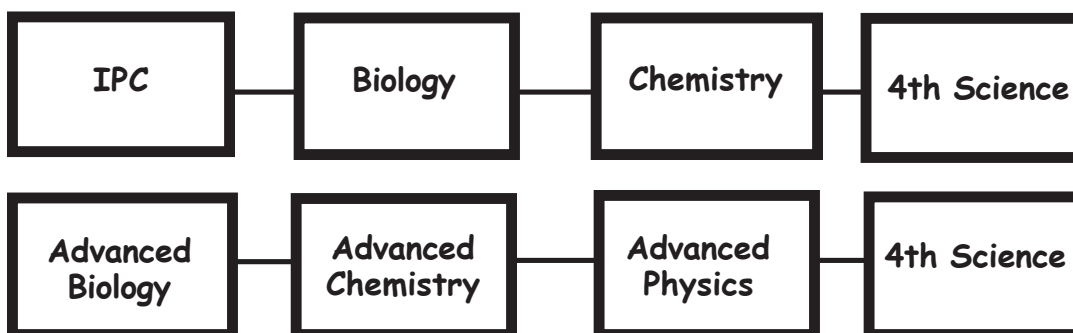
Grades 9-12

9th 10th 11th 12th

Students who enter high school
2011-2012, 2012-2013, 2013-2014



Students who enter high school
2014-2015 and thereafter



4th Year Science Options:

Environmental Systems

Anatomy & Physiology

AP Biology

IPC--must be taken prior to Chemistry and Physics

SCIENCE

INTEGRATED PHYSICS & CHEMISTRY (IPC)

1 Credit (2 Sems.)

Prerequisite: None.

This course is a laboratory oriented introduction to chemistry and physics. The first semester includes a survey of basic chemistry concepts. The course begins with the scientific method, measuring and graphing of scientific data. This course also introduces students to the atomic structure of atoms, the periodic table, writing and balancing equations and types of chemical reactions. The second semester focuses on physics concepts such as 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: None.

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.

Advanced BIOLOGY

1 Credit (2 Sems.)

Prerequisite: * Must have passed prior Science STAAR exam and teacher recommendation.

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.

This is an introductory chemistry course. The first semester includes a thorough introduction to the periodic table, atomic structure, types of chemical reactions, and stoichiometry. The second semester emphasizes gas laws, electron arrangement and quantum theory, solutions, acids and bases, electrochemistry and oxidation/reduction reactions. Nuclear reactions are also briefly addressed.

Advanced CHEMISTRY

1 Credit (2 Sems.)

Prerequisites: * Biology and concurrent enrollment in Adv Algebra II, must have passed Biology EOC and current science teacher recommendation.

This course will cover the elements described in Chemistry but will move at a faster pace and with more in-depth analysis of the topics.

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

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.

Advanced PHYSICS

1 Credit (2 Sems.)

Prerequisite: * Biology, Pre-AP Chemistry & concurrent enrollment in Precalculus, and current science teacher recommendation.

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: None.

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: * Physics or concurrent enrollment.

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: * Physics or concurrent enrollment, must have passed Biology STAAR EOC, and teacher recommendation.

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.

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. Students who do not choose to take the Dual Credit class in the Spring will be transferred back to US History class. Upon successful completion of HIST 1301 and HIST 1302 will earn 6 college hours and 1 high school credit. See page 11 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 11-12.

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.

Advanced Placement (AP) SPANISH

1 Credit (2 Sems.)
Prerequisite: Spanish III.

This fourth year of Spanish is a more in-depth study of the language. Students will be prepared for the AP Spanish Language exam to be taken in the Spring.

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 MUSIC APPRECIATION

1 Credit (2 Sems.)

Prerequisite: Grades 11 or 12.

This course is a survey of music for the non-music major. It includes a review of the fundamentals of music and a survey of music and composers from the Medieval period through the Twentieth Century. This course will also survey of American popular music designed for non-music majors. It traces the development of Native American, English, African, and Hispanic music into their current forms: Blues, Jazz, Gospel, Cajun, Country, Folk, Rock-n-Roll, Soul, Salsa, Tejano, Asian, and Hip Hop. In order to earn MUSI 1306, students will be required to pay for course with Temple college and buy the text book. See page 11 for more information. This is a non-performing class.

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 11-12 and Art I 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 10-12

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

1 Credit (2 Sems.)

Prerequisite: Grades 10-12.

This course prepares students for careers in floral design. 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. This course may satisfy a **fine arts credit**. Students may obtain a Floral Certification with this course.

FAMILY & CONSUMER SCIENCES

PRINCIPLES OF HUMAN SERVICES

1 Credit (2 Sems.)

Prerequisite: None.

This laboratory course will enable students to investigate careers in the human services career cluster including counseling and mental health, early childhood development, family and community, and personal care services. Laboratory experiences will include nutrition and food preparation, garment maintenance, sewing construction, caregiver skills, personal management, and personal care services. *

CHILD DEVELOPMENT

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, Principles of Human Services recommended.

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

LIFETIME NUTRITION AND WELLNESS

1 Credit (2 Sems.)

Prerequisite: Grades 10-12.

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as pursue careers related to hospitality and tourism, education and training, human services, and health sciences. *

INTERPERSONAL STUDIES

1 Credit (2 Sems.)

Prerequisite: Grades 10-12.

This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, manage multiple adult roles, and pursue careers related to counseling and mental health services. *

DOLLARS AND SENSE

.5 Credit (1 Sem.)

Prerequisite: Grades 10-12.

Dollars and Sense focuses on consumer practices and responsibilities, the money management process, decision making skills, impact of technology, and preparation for human services careers. This course may be linked with Family & Community Services. *

FAMILY AND COMMUNITY SERVICES

.5 Credit (1 Sem.)

Prerequisite: Grades 10-12.

This laboratory-based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. Students must have access to transportation and have a serious desire to volunteer time in the community. This course may be linked with Dollars & Sense. *

INTERIOR DESIGN

.5 Credit (1 Sem.)

Prerequisite: Grades 10-12, Algebra 1 recommended.

A technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Individuals use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, and compete in industry. *

FOOD SCIENCE

1 Credit (2 Sems.)

Prerequisite: Grades 11-12.

In Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing, and the improvement of foods for the consuming public. *

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

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FAMILY & CONSUMER SCIENCES

INSTRUCTIONAL PRACTICES IN EDUCATION AND TRAINING (ET)

1 Credit (2 Sems.)

Prerequisites: Grades 11-12, approved application, PHS or Child Development recommended.

A field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of a teacher on one of the elementary 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.

SCHOOL/WORK PROGRAM

CAREER PREPARATION I & II

3 Credits (2 Sems.)

Prerequisites: Grades 11-12 with approved application (must be at least 16 years of age).

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 1st 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.

MISCELLANEOUS COURSES

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 TEACHERAIDE. This class will count as a class for class load, but does not earn a state credit toward graduation.

AGRICULTURAL SCIENCE & TECHNOLOGY

Agriculture, Food, and Natural Resources Cluster

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.

PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES

1 Credit (2 Sems.)

Prerequisite: None.

This course allows students to develop knowledge and skills regarding career opportunities, personal development, globalization, industry standards, details, practices, and expectations.

PROFESSIONAL STANDARDS IN AGRIBUSINESS

1 Credit (2 Sems.)

Prerequisite: Grades 10-12.

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.

LIVESTOCK PRODUCTION

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, Principles of Agriculture, Food and Natural Resources

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. This will be the prerequisite for Advanced Animal Science.

ADVANCED PLANT AND SOIL SCIENCE

1 Credit (2 Sems.)

Prerequisite: Grade 12, Livestock Production.

Instructor approval and passed Biology EOC.

Plant and Soil Science provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. Investigations, laboratory practices, and field exercises will be used to develop an understanding of current plant and soil science. This course is designed to prepare students for careers in the food and fiber industry. Students will learn, reinforce, apply, and transfer their knowledge in a scientific setting.

ADVANCED ANIMAL SCIENCE

1 Credit (2 Sems.)

Prerequisite: Grade 12, Livestock Production.

Instructor approval and student must have passed Biology EOC.

This is an advanced course designed to develop knowledge and skills pertaining to advanced animal nutrition, reproduction, health, biotechnology, genetics, anatomy and management of livestock. Students will be required to complete an Agriscience fair exhibit for this course.

SMALL ANIMAL MANAGEMENT

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, Principles of Agriculture, Food and Natural Resources

To be prepared 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. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills in a variety of settings. Suggested small animals which may be included in the course of study include, but are not limited to, small mammals, amphibians, reptiles, avian, dogs, and cats

EQUINE SCIENCE

1 Credit (2 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.

AGRICULTURAL SCIENCE & TECHNOLOGY

FOOD TECHNOLOGY & SAFETY

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, Principles of Agriculture, Food and Natural Resources

This course prepares students for careers in value-added and food processing systems, students need to attain academic skills and knowledge, acquire technical knowledge and skills related to value-added and food processing and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. This course examines the food technology industry as it relates to food production, handling, and safety.

WILDLIFE FISHERIES AND ECOLOGY MANAGEMENT

1 Credit (2 Sems.)

Prerequisite: Grade 11-12, Principles of Agriculture, Food and Natural Resources

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.

PRINCIPLES AND ELEMENTS OF FLORAL DESIGN

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, Principles of Agriculture, Food and Natural Resources

This course prepares students for careers in floral design. 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. This course may satisfy a **fine arts credit**. Students may obtain a Floral Certification with this course.

LANDSCAPE DESIGN AND TURF GRASS MANAGEMENT

1 Credit (2 Sems.)

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

Landscape Design and Turf Grass Management prepares students for careers in horticultural systems. 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.

To be prepared for careers in horticultural systems. 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 Gardner.

AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, Principles of Agriculture, Food and Natural Resources.

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 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.

AGRICULTURAL FACILITIES DESIGN & FABRICATION

1 Credit (2 Sems.)

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

This course prepares students for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations.

BUSINESS EDUCATION

BUSINESS INFORMATION MANAGEMENT I (BIMI)

1 Credit (2 Sems.)

Prerequisite: Grades 9-12.

Students apply technical skills to address business applications of emerging technologies, create word processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Students will plan a business project and develop skills for success in the workplace.

BUSINESS INFORMATION MANAGEMENT II (BIMII)

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, BIMI

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.

DIGITAL AND INTERACTIVE MEDIA (DIM)

1 Credit (2 Sems.)

Prerequisite: Grades 10-12, BIMI.

Students will learn Photoshop, Fireworks, PowerPoint, and Premiere Elements to design and create multimedia projects that address customer needs and resolve a problem. Students will analyze and assess current emerging technologies while enhance reading, writing, computing, communication, and critical thinking skills.

AUDIO/VIDEO PRODUCTION (News Show)

1 Credit (2 Sems.)

Prerequisite: Grades 10-12. BIMI and approved application. Limited seats available.

Students must be highly motivated, self disciplined and capable of working independently and will be required to attend extracurricular events to **produce weekly television news show**. Students will develop an understanding of the industry with the focus on pre-production, production and post-production of audio and video activities. Students will apply problem-solving methods; develop leadership characteristics; team work; decision making with regard to audio and video production; and deliver the product in a variety of media.

OFF-CAMPUS CAREER COURSES

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

Principles of Law Enforcement

Automotive Technology

Collision, Repair & Refinishing

Health Sciences

Video Technology

PHYSICAL EDUCATION

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.

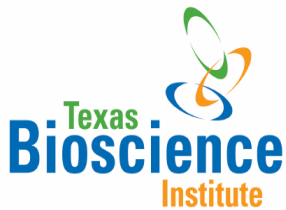
Both males and females are encouraged to participate in the athletic program. The athletic program has three levels of competition: 9th, sub varsity and varsity. Sports included in the athletic program are volleyball, cross-country, football, basketball, track, softball, baseball, tennis, power lifting, 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.



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

for Students entering HS 2013, 2012, 2011

- Graduation Plan:**
- Minimum
 - Recommended
 - Distinguished

9th	10th	11th	12th

Other Credits Earned: _____
(summer school, correspondence, etc.)

Advanced Measures: _____
(required for Distinguished.)

STAAR End-Of-Course Exams:

Engl 1 _____ Engl 2 _____ US Hist _____

Alg 1 _____ Bio _____