



## **High School Course Catalog 2018 - 2019**

High School Principal: Colin Madding  
High School Counselor: Janet Carter  
Student Coordinator: Marti Biles

## **Accreditation**

Fort Worth Christian School is accredited by Advanced Ed, a non-governmental, voluntary organization whose mission has been to help schools improve student learning. It is the largest accrediting agency in the world, accrediting schools that have demonstrated commitment to meeting a set of research-based standards, to engaging in a program of continuous school improvement, and providing for quality assurance through self-evaluation and peer review. Fort Worth Christian School's accreditation assures parents, the business community, and the public that the school is committed to raising student achievement, providing a safe and enriching learning environment, and maintaining an efficient and effective operation.

## **Admissions**

Families interested in FWC should contact the Director of Admissions for admissions procedures and requirements. Admission testing by FWC will be administered to determine the student's compatibility with the educational rigor and academic expectations of FWC. Previous school performance, various test results, demonstrated citizenship qualities, teacher recommendations, along with the student's desire to attend FWC will be considered for admission. Fort Worth Christian School does not discriminate on the basis of race, color, nationality or ethnic origin in the admission process.

## **Transfer Students**

Students transferring to FWC from other schools as freshmen and sophomores are expected to complete all Fort Worth Christian graduation requirements, including a total of 30 credits. Students transferring in as juniors are only required to complete 29 credits, and those transferring as seniors are required to complete 28 credits (Freshmen, Sophomore and Junior students must take a full load).

## Testing

**Entrance Testing** - Students requesting admission into Fort Worth Christian will be required to take an entrance exam.

**Advanced Placement Examinations** - Students who complete AP courses are required, on completion of the course, to take the advance placement examination overseen by the College Board. These exams provide students with the opportunity to gain college credit. Tests will be given on FWC campus during designated days.

**PSAT** - Grades 9-11 take the PSAT every year in October. Juniors taking the PSAT may qualify as National Merit Scholars.

**Pre ACT** – Grades 9 and 10 take the Pre ACT each year in April.

**SAT/ACT** - Juniors are encouraged to take the SAT and ACT. Seniors are required to take at least one of these exams their senior year. School code: 442-517

## Curriculum

The curriculum at Fort Worth Christian is college-preparatory and state recognized, requiring 30 academic credits for graduation. Students are required to complete a Bible credit each year. Core classes in English, math, science, and history, as well as electives in fine arts, technology, foreign language, and PE/athletics are offered. Opportunities to serve on the academic team and yearbook staff are also available. Extracurricular activities include organizations such as student government, special interest clubs, and JV and Varsity sports.

## Grade Point Average

The grade point average is determined on a 4.0 and 100.0 scale for courses taken in ninth through twelfth grades. In the grading scale, a grade of 90-100 is an 4.0, 80-89 is a 3.0, 70-79 is a 2.0, and 69 and below is an 0. Athletics, office aide, middle school courses, and any grades from correspondence courses are not averaged into the GPA. The GPA shown on a transcript is un-weighted. GPA's are calculated based on semester grades.

## Credit Recovery

Students who are deficient in credits will be required to take courses to recover those credits before their senior year. Credits can be recovered through online correspondence courses or through local summer school or evening classes. Courses taken through online correspondence will not count toward a student's GPA calculations nor in class rank calculations but will count toward credit for those courses. Courses for credit recovery should be approved through the High School guidance office. Proof of completion will be required for transcript entry.

## Athletics

FWC provides each student with the opportunity to participate in a team sport. Athletes are required to have an annual physical examination before participating. A total of .5 credit will be earned per semester, regardless of the number of team sports played.

## PE Alternative

PE Alternative provides those students not involved in FWC team sports the opportunity to earn .5 credit per semester by participating in an activity outside of school. Forms for PE Alternative are available in the high school guidance counselor office.

## Dual Credit

**General:** Dual credit courses allow students to simultaneously earn high school credit and college credit hours. Through an affiliation with Texas Wesleyan University, FWC offers the following dual credit courses: English, math, history, Spanish, ethics and New Testament ethics. Students must purchase the required texts for Dual Credit classes.

**Acceptance:** To be eligible for a TWU dual credit course, students must complete an application to the FWC department in which they will take the course. Approval for taking these classes will be based on PSAT/SAT/ACT scores and teacher approval from that department. Once approved by FWC, students must complete a dual credit registration form from TWU and must pay the appropriate fees for the courses in which they have enrolled. This will be done on the FWC campus. Students do not go to TWU to apply or pay fees.

**Forms:** TWU dual credit registration forms will be provided to qualifying students. Students will complete these forms and return them to FWC by a designated date. Failure to return registration forms on time may disqualify the student from TWU Dual Credit enrollment.

**Fees and Credit:** TWU dual credit course fees are assessed per semester. Each semester a TWU dual credit course yields 3 credit hours, and the total cost per semester will vary. Therefore, a student who passes both the fall and spring semesters of TWU dual credit English (A & B or C & D) will receive one English credit from FWC and six hours of course credit from Texas Wesleyan University. With regard to FWC credit, many TWU dual credit courses receive 10% weighted credit. Starting in 2016-2017, DC College Algebra will no longer be included as a weighted class, although it will still count as a college and high school dual credit class. Dual Credit courses may also be used as prerequisites to corresponding AP courses. The student is responsible for purchasing the university textbooks.

## **Summary of Dual Credit Courses Offered**

**Classes are listed with FWC course name and college code.  
TWU courses each earn 3 college credit hours.**

DC Ethics (REL 1311)  
DC New Testament (REL 1312)  
DC Comp I (ENG 1301)  
DC Comp II (ENG 1302)  
DC College Algebra (MATH 1302)  
DC Calculus (MATH 1377)  
DC US History A (HIST 2321)  
DC US History B (HIST 2322)  
DC Spanish 1<sup>st</sup> Year A (SPAN 2311)  
DC Spanish 1<sup>st</sup> Year B (SPAN 2312)  
DC Spanish 2<sup>nd</sup> Year A (SPAN 2313)  
DC Spanish 2<sup>nd</sup> Year B (SPAN 2314)

## **Honors**

Honors courses are offered for high school students. Acceptance into these courses is based on completion of the student application process, the student's current grade in the requested subject area, standardized test results, teacher recommendations, and the student's attitude, aptitude, and performance in the classroom. Honors courses add an additional 10% weighting to the semester grade only for class ranking purposes.

## **Pre-AP**

Pre-AP courses are offered for grades 9-12. Acceptance into these courses is based on completion of the student application process, the student's current grade in the requested subject area, standardized test results, teacher recommendations, and the student's attitude, aptitude, and performance in the classroom. Pre-AP courses add an additional 10% weighting to the semester grade only for class ranking purposes.

## **Advanced Placement (AP)**

AP courses are offered for sophomores, juniors and seniors. Acceptance into these courses is based on completion of the student application process, the student's current grade in the requested subject area, standardized tests results, teacher recommendations, and the student's attitude, aptitude, and performance in the classroom. AP Courses add an additional 15% weighting to the semester grade only for class ranking purposes.

Students taking AP courses will take the AP exams in the spring. The highest examination score is a 5, and many universities accept 3, 4 and 5 for credit or advanced standing. The student is responsible for arranging with his/her college of choice to apply credit earned through these examinations. Students must pay an examination fee for each AP test. In addition, students will be required to purchase the required texts for AP classes.

## **Honor Graduates**

To graduate with honors, students must complete and pass six full-year Honors, Dual Credit, Pre-AP or AP classes and maintain a weighted average of 93.0 or above. A weighted average of 93 to 95.99 qualifies the student to graduate Cum Laude. An average of 96 to 99.99 is Magna Cum Laude and an average of 100 or greater is Suma Cum Laude.

Seniors with a 90 or above that have not completed six advanced courses qualify as a "Distinguished Graduate" but do not graduate with honors as specified above.

# Graduation Requirements

Department	Number of Credits	Required Courses
Bible	4	
English	4	
Math	4	Algebra 1, Geometry, Algebra II
Science	4	Biology, Chemistry
History	4	Cultural Geography, Modern World History, US History, Government/Economics
Foreign Language	2	Must be two of the same language
Fine Arts	1	
Technology	1	
PE/Athletics	1.5	
Electives	varies	

**Total Credits: 30**

See Parent Student Handbook for revised requirements for transferring juniors and seniors.

# High School Course Descriptions

## Bible

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**Course Name:** Life of Christ

**Course Number:** BIB100

**Grade:** 9

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This class is designed to acquaint students with the Bible, specifically the New Testament as the inspired Word of God, worthy of our study, following, and respect. Its subject matter instructs students in the life, death and resurrection of Jesus, the formation of the church, and the growth and spread of Christianity as evidenced by the authors of the letters to churches and individuals. Students will be capable of identifying the major sections of the New Testament, their historical and theological scope, and the application to our lives today.

**Course Name:** New Testament Epistles

**Course Number:** BIB200

**Grade:** 10

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This class will study the 21 letters of the New Testament, from Romans to Jude. Students will survey the historical and cultural context of the letters and then engage in rigorous exploration and discussion of the various themes and teachings of each epistle. Special attention will be given to the relevance and application to these ideas for contemporary Christian life.

**Course Name:** Old Testament Applications

**Course Number:** BIB300

**Grade:** 11

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course will dive deep into select Old Testament texts in order to prepare FWC juniors for a lifetime of Christian discipleship. The scriptures discussed within the classroom offer numerous glimpses into the nature of God and His steadfast love while also displaying the fallen nature of humanity. The goal of the course is to help students understand and apply what it means to bear the "Image of God" within a fallen world that desperately needs a Messiah.



**Course Name:** Servant Leadership

**Course Number:** BIB310

**Grades:** 11,12

**Prerequisite:** None, application required

**Credit:** 1

**Weighting:** (Standard)

Servant Leadership will focus on developing leaders in understanding leadership theory, learning skills to carry out that theory, and be given tools and opportunities to practice servant leadership in the context of our campus with the intent that they will carry it on for life. One of the primary values we share at Fort Worth Christian is that we are about the business of shaping lives that change the world. This class is one venue where this takes place.

**Course Name:** Worldviews

**Course Number:** BIB400

**Grade:** 12

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course is designed to expose students to the plurality of belief-systems and lifestyles that populate the modern world. Class time will be spent surveying and discussing prominent world religions, philosophies, and ethical systems as they compare to the classical Christian worldview. The purpose of this course is to equip future FWC graduates with the knowledge they need to converse confidently (yet humbly) with people who possess worldviews different from their own.

**Course Name:** Christian Mentorship

**Course Number:** BIB410

**Grade:** 12

**Prerequisite:** none, application required

**Credit:** 1

**Weighting:** (Standard)

Christian Mentorship is a class that focuses on the development and training of emerging Christian leaders who embody the Kingdom of God with a focus on mentoring relationships with younger students and peers. This is accomplished through an intentional learning community with guided learning experiences, including classroom instruction and practical experience. This includes leading a Christ focused small group among high school peers, and developing and maintaining a continual mentoring relationship with lower grade school students.

**Course Name:** Dual Credit Ethics

**Course Number:** BIB650

**Grade:** 12

**Prerequisite:** Application Required

**Credit:** .5 High School / 3 College

**Weighting:** 10%

Course Fee and Textbook purchase required

An examination of the traditions of moral thought, including an analysis of how traditional problems and processes are reflected in contemporary moral debates, with writing assignments designed to enhance students' appreciation of ethical and moral values. This course seeks to offer an introductory study of ethical theory, its history, major figures, and contemporary issues of ethical debate. Students will engage this material in assigned readings, class lectures, and organized student debate/discussion forums. Students who have enrolled in this course will earn 3 hours of college credit for a collegiate level Ethics course or an equivalent undergraduate Bible course.

**Course Name:** Dual Credit New Testament

**Course Number:** BIB650

**Grade:** 12

**Prerequisite:** Application Required

**Credit:** .5 High School / 3 College

**Weighting:** 10%

Course Fee and Textbook Purchase Required

Survey of New Testament tradition, emphasizing its historical development and cultural setting, with writing assignments designed to enhance students' appreciation of religious values. Students will identify the historical backgrounds for each book of the New Testament focusing on the major themes for each book and understanding the social, economic, and political setting in which the New Testament was written. Material will also trace the life and major teachings of Jesus and identify the authors of the New Testament and their individual perspectives and backgrounds.

# English

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**Course Name:** English I

**Course Number:** ENG100

**Grade:** 9

**Prerequisite:** English 8

**Credit:** 1

**Weighting:** (Standard)

English I will incorporate literature, writing, grammar, and vocabulary study. Students will explore literature from a variety of genres, cultures, and time periods with emphasis on increased reading comprehension, basic literary analysis, and life application. Writing instruction will focus on improved organization of thoughts and clear expression of ideas. Grammar and vocabulary will be integrated with the study of writing and literature as tools to enhance the student's ability to more effectively use language, both in speech and writing. Research techniques will be taught with emphasis on ethical presentation and use of information. One novel is required for summer reading.

**Course Name:** PAP English I

**Course Number:** ENG125

**Grade:** 9

**Prerequisite:** English 8, Application Required

**Credit:** 1

**Weighting:** 10%

PAP English I is an advanced class that teaches materials covered in English I while challenging students to further depths of expression, more independent thought, and higher thinking skills. During the school year, students are asked to read one more novel than is read in English I. Writing assignments are expected to use higher level of vocabulary usage, grammar proficiency, and insight than in English I, and testing and quizzing are often more open-ended, expecting a deeper level of understanding. As a Pre-AP class, this course seeks to provide specific skills for meeting the demands of later Pre-AP and AP English courses. Two novels are required for summer reading.

**Course Name:** English II

**Course Number:** ENG200

**Grade:** 10

**Prerequisite:** English I or Pre-AP English I

**Credit:** 1

**Weighting:** (Standard)

English II will expose the student to world literature from ancient to modern times, including drama, poetry, short stories, and novels. Each will be studied in light of the particular elements of its genre as well as the historical and cultural influences in which it was created. Through independent study, teacher-guided activities, and peer group activities, students will explore how great authors use language to express ideas. They will work to improve writing skills through a variety of writing activities including a research paper. Vocabulary will be designed to improve their level of expression and to help prepare them for standardized college entrance testing. Grammar activities will

review important skills and teach concepts to enhance their clarity and style in writing and verbal expression. One novel is required for summer reading.

**Course Name:** PAP English II

**Course Number:** ENG225

**Grade:** 10

**Prerequisite:** English 1 or PAP English 1, Application Required

**Credit:** 1

**Weighting:** 10%

This course incorporates the elements of English II while challenging the student to read and write at a more advanced level. During the year, students read one more novel as a class than is read in English II. They are also expected to independently read a novel each semester and complete several activities demonstrating their understanding of its content, style, and theme. The class has a major emphasis on writing, asking students to write both in class under time constraints and outside of class with greater expectations for level of vocabulary and expression. Pre-AP English II is specifically designed to teach students the literary analysis skills that they will need to move into higher-level AP classes. Two novels are required for summer reading.

**Course Name:** English III

**Course Number:** ENG300

**Grade:** 11

**Prerequisite:** English II or PAP English II

**Credit:** 1

**Weighting:** (Standard)

This course explores American Literature, chronologically examining various writings from Native American mythology to contemporary authors. Different genres of drama, poetry, fiction, and nonfiction are studied to provide insight into the history and development of American culture. Emphasis is placed on writing, grammar, and vocabulary skills. Through independent study, teacher-guided activities, and peer group activities, students explore how great authors use language to express ideas. Students work to develop writing and research skills through a persuasive paper. Analytical essays and creative compositions are also assigned to further develop writing skills. Vocabulary is assigned to improve students' level of expression and to help prepare them for standardized college entrance testing. Grammar activities review important skills and teach concepts to enhance clarity and style in writing and verbal expression. One novel is required for summer reading.

**Course Name:** Dual Credit Composition I

**Course Number:** ENG350 (TWU Eng1301)

**Grade:** 11, 12

**Prerequisite:** English II or PAP English II, Application Required

**Credit:** .5 High School / 3 College

**Weighting:** 10%

**Course Fee and textbook purchased required**

Designed to encourage critical reading and thinking, this course establishes the

components of the writing process, familiarizes students with basic rhetorical vocabulary, introduces elements of the various types of writing, and introduces students to the role of technology in research and writing. In order to succeed, students must demonstrate proficiency in word processing and computer searches. Two books are required for summer reading.

**Course Name:** Dual Credit Composition II

**Course Number:** ENG350 (TWU Eng1302)

**Grade:** 11, 12

**Prerequisite:** Eng350 fall semester, Application required

**Credit:** .5 High School / 3 College

**Weighting:** 10%

**Course Fee and textbook purchased required**

Building on principles learned in English 1301, this course further explores the role of the writer as a critical reader by focusing on the dominant genres of literature: fiction, poetry, drama, and essays. Students gain a better understanding of composition by writing explications and analyses as they learn to establish researched critical positions. A ten-page well-researched persuasive paper over a literary text is required. Two books are required for summer reading.

**Course Name:** AP Language and Composition

(Offered Alternating Years)

**Course Number:** ENG375

**Grade:** 11, 12

**Prerequisite:** English II or PAP English II, Application Required

**Credit:** 1 High School / Possible College Credit through Examination

**Weighting:** 15%

**AP Test Fee and textbook purchase required**

AP English Language and Composition offers students an opportunity to learn how to read critically and do rhetorical and stylistic analysis. The main goal, like typical college composition courses, is to create strong writers who will have the skills to write effectively in the college courses and in their personal and professional lives. For this reason, students will be asked to read and write many different kinds of essays—argumentative, expository, analytical, personal, and even creative. The course is fast-paced and demanding; thus, it is essential for students to be willing to stretch themselves both academically and personally. Two works of literature are required for summer reading. This course will be offered in rotation with AP English Literature and Composition.

**Course Name:** AP Literature and Composition

(Offered Alternate Years)

**Course Number:** ENG475

**Prerequisite:** English II, PAP English II, Application Required

**Grade:** 11, 12

**Credit:** 1 High School / Possible College Credit through Examination

**Weighting:** 15%

**AP Test Fee and textbook purchased required**

AP English Literature challenges students to read and interpret a wide range of imaginative works. Students are asked to explore a variety of genres and literary periods and to write clearly about the literature they encounter. By the end of the course, students have cultivated a rich understanding of literary works and acquired a set of analytical skills they will use throughout their lives. Two novels may be required for summer reading. This course will be offered in rotation with AP English Language and Composition.

\*AP Literature and Composition and AP Language and Composition are offered alternate years. Language and Composition will be offered school years that start with an even number. Literature and Composition will be offered school years that start with an odd number.

**Course Name:** English IV**Course Number:** ENG400**Grade:** 12**Prerequisite:** English III, AP English III, PAP DC Comp I/II**Credit:** 1**Weighting:** (Standard)

English IV is the final year of a required four-year study for the college-bound student. Instruction emphasizes an in-depth study of British literature, including studies in prose fiction, drama, and poetry. Students build on the writing skills they have learned in previous classes, as they expand their understanding of composition through a variety of writing experiences. Grammar instruction leads students to mastery of the basic rules of language while guiding students to more effective use of language in both written and verbal communication. Each student must complete a senior research theme paper. This class requires one novel for summer reading.

**Course Name:** Honors English IV**Course Number:** Eng430**Grade:** 12**Prerequisite:** Application Required**Credit:** 1**Weighting:** 10%**Course fee and textbook purchased required.**

Honors English IV is a literature class in which seniors will study both modern and classic literature. Students in the class will help to design the curriculum, working as a group to choose the major works that will be studied. Works will include fiction, drama, and nonfiction. Along with reading, the class will focus on improving skills in written and oral expression.

# Math

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**Course Name:** Algebra I

**Course Number:** MATH100

**Grade:** 9

**Prerequisite:** Math 8

**Credit:** 1

**Weighting:** (Standard)

Algebra 1 students build on earlier math experiences, deepening their understanding of relations and functions. Students will solve linear equations, graph on coordinate planes, write equations for lines, solve systems of equations, solve and graph simple and compound inequalities, add, subtract, and multiply polynomials, solve quadratic equations, simplify radical expressions, and make practical applications through the use of word problems, among other topics. It is extremely important for students to learn Algebra 1 standards well because students will be tested over these concepts in this class and all future math classes.

**Course Name:** Geometry

**Course Number:** MATH200

**Grades:** 9, 10, 11

**Prerequisite:** Algebra I

**Credit:** 1

**Weighting:** (Standard)

Students will survey fundamental concepts of plane and spherical geometry. The course will encompass three-dimensional geometry, coordinate geometry and transformational geometry. Heavy emphasis will be placed on the vocabulary of geometry as well as the theorems and postulates required for logical thinking and proof. Proficiency in Algebra I is necessary for execution of related problems. Real-world application will be used extensively to demonstrate God's presence and logical order.

**Course Name:** Honors Geometry

**Course Number:** MATH225

**Grades:** 9, 10, 11

**Prerequisite:** Algebra I, Application Required

**Credit:** 1

**Weighting:** 10%

Students will survey fundamental and advanced concepts of plane and spherical geometry. It is understood that these students are on track to take AP or DC Calculus. PAP Geometry will encompass three-dimensional geometry, coordinate geometry and transformational geometry. Heavy emphasis will be placed on the vocabulary of geometry as well as the theorems and postulates required for logical thinking and proof. Proficiency in Algebra 1 is necessary for execution of related problems. Real-world application will be used extensively to demonstrate God's presence and logical order.

**Course Name:** Algebra II

**Course Number:** MATH300

**Grades:** 10, 11, 12

**Prerequisite:** Geometry or Honors Geometry

**Credit:** 1

**Weighting:** (Standard)

Algebra 2 is a course that reviews basic algebra and geometry. It expands upon the topics of Algebra 1 including rational expressions, radicals and exponents, quadratic equation, systems of equations, and applications.

**Course Name:** Honors Algebra II

**Course Number:** MATH325

**Grades:** 10, 11, 12

**Prerequisite:** Geometry or Honors Geometry, Application Required

**Credit:** 1

**Weighting:** 10%

It expands upon the topics of Algebra I including rational expressions, radicals and exponents, quadratic equations, systems of equations, and applications. PAP Algebra II contains similar topics as Algebra 2 but with more depth, breadth, and sophistication. It is understood that these students are on track to take AP or DC Calculus.

**Course Name:** Dual Credit College Algebra

**Course Number:** MATH350

**Grade:** 12

**Prerequisite:** Algebra II, Application Required

**Credit:** 1 High school / 3 College

**Weighting:** 10%

**Course fee and textbook purchase required.**

This course explores set theory, real and complex number systems, quadratic equations, quadratic formulas, equations involving radicals, inequalities, graphs of quadratic and rational functions, logarithmic functions, exponential functions, theory of equations, matrices and determinants, and mathematical induction. This course is designed for the student planning on a major other than business, engineering, general science, computer science or math education. Please check with your intended college destination to see if this course is included in your degree plan.

**Course Name:** Pre-Calculus

**Course Number:** MATH400

**Grades:** 11, 12

**Prerequisite:** Algebra II or Honors Algebra II

**Credit:** 1

**Weighting:** (Standard)

Students will survey advanced concepts, probability, sequences, and limits. They will



build a strong foundation and develop knowledge of trigonometric functions. Proficiency in algebra is expected in order to delve more deeply into families of graphs and their mathematical tendencies. Students will use technology applications to enhance their learning. It is understood that these students are on track to take DC College Algebra or DC Calculus.

**Course Name:** PAP Pre-Calculus

**Course Number:** MATH425

**Grade:** 11, 12

**Prerequisite:** Algebra II or Honors Algebra II, Application Required

**Credit:** 1

**Weighting:** 10%

Students will survey advanced algebraic concepts, probability, sequences, and limits. They will build a strong foundation and knowledge of trigonometric functions and their graphs. Proficiency in algebra is expected in order to delve more deeply into families of graphs and their mathematical tendencies. Students will use technology applications to enhance their learning. Those who are successful in Pre-AP Pre-Calculus will have the foundation needed for completing AP Calculus. Real-world application will remind students of God's constant care in a consistent and logically ordered universe.

**Course Name:** Dual Credit Calculus

**Course Number:** MATH550

**Grades:** 11, 12

**Prerequisite:** Pre-Calculus or PAP Pre-Calculus, Application required

**Credit:** 1 High School / 3 College

**Weighting:** 10%

**Course Fee and Textbook purchase required**

DC Calculus is the mathematical study of the relationships of change and motion. One-variable calculus includes topics from analytic geometry, derivatives and integrals of elementary functions (including trigonometric functions) and applications.

**Course Name:** AP Calculus - AB/BC

**Course Number:** MATH575

**Grade:** 12

**Prerequisite:** PAP Pre-Calculus, Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

**AP Test Fee and Textbook purchase required**

Calculus is the mathematical study of the relationships of change and motion. One-variable calculus includes topics from analytic geometry, derivatives and integrals of elementary functions (including trigonometric functions) and applications. Methods of integration will be explored, as well as an in-depth study of sequences and series. Students in this course will take the Advanced Placement exam in May and up to two semesters of college credit may be earned.

**Course Name:** Statistics

**Course Number:** MATH600

**Grades:** 11, 12

**Prerequisite:** Algebra I, Geometry, Algebra II

**Credit:** 1

**Weighting:** (Standard)

The purpose of the course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

# Science

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**Course Name:** Biology

**Course Number:** SCI100

**Grade:** 9

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

Students in Biology study a variety of topics that include the following: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; biological evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. In Biology, students spend 40% of their time conducting field and laboratory investigations, using scientific methods during investigations, and making informed decisions using critical-thinking and scientific problem-solving. Students will be expected to complete several projects through out the year.

**Course Name:** PAP Biology

**Course Number:** SCI125

**Grade:** 9

**Prerequisite:** Application Required

**Credit:** 1

**Weighting:** 10%

In Pre-AP Biology, students spend 40% of class time conducting laboratory investigations, using scientific methods during investigations, and making informed decisions using critical - thinking and scientific problem-solving. Students in Biology study a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants and the environment. Pre-AP Biology students will be expected to show commitment to honors curriculum and be motivated to utilize higher level thinking skills. The course will also include special projects and a more in-depth study of biological concepts.

**Course Name:** AP Biology

**Course Number:** SCI675

**Grade:** 12

**Prerequisite:** Biology or PAP Biology, Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

**An AP test fee is required and textbook purchase.**

AP Biology should include those topics regularly covered in a college biology course for majors or in the syllabus from a high-quality college program in introductory biology. This college level biology course differs significantly from the usual first high school in biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of

students. The textbooks used for AP Biology will be those also used by college biology majors. The kinds of labs done by AP students will be the equivalent of those done by college students. The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

**Course Name:** Chemistry

**Course Number:** SCI200

**Grade:** 10, 11

**Prerequisite:** Biology or PAP Biology, Algebra I

**Credit:** 1

**Weighting:** (Standard)

Chemistry is a study of matter and the changes it undergoes. Chemistry students will cover nomenclature, chemical reactions, stoichiometry, the behavior of gases, atomic history and structure, chemical bonding and acid-base theories with a mathematical emphasis. Laboratory experiences compliment the subject matter and stimulate critical thinking and scientific problem solving.

**Course Name:** PAP Chemistry

**Course Number:** SCI225

**Grade:** 10, 11

**Prerequisite:** Biology or PAP Biology, Algebra I, Application form

**Credit:** 1

**Weighting:** 10%

PAP Chemistry is a comprehensive study of chemistry, scientific method, lab safety, scientific measurements, properties of matter, atomic structure and its history, quantum numbers, periodic table characteristics and trends, chemical bonding, gas laws, nomenclature of compounds, moles, chemical reactions, stoichiometry, aqueous mixtures, acid/base and neutralization reactions, reaction rates, electrochemistry and equilibrium reactions. In the course labs, students will use critical thinking to analyze and evaluate data from lab investigation.

**Course Name:** AP Chemistry

**Course Number:** SCI575

**Grades:** 11, 12

**Prerequisite:** Biology or PAP Biology, Chemistry or PAP Chemistry, Algebra I, Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

AP Test Fee and Textbook Purchase Required

AP Chemistry is based upon the College Board's curriculum and is the equivalent of the first year college Chemistry course. The second year chemistry class will utilize the first year chemistry course content as a foundation for discussion of these following complex topics: chemical kinetics, equilibrium, thermodynamics, electrochemistry and biochemistry. A minimum of one double-class per week will be devoted to hands-on

college level laboratory investigations with classroom demonstrations supplementing the laboratory theme topics. Three weeks prior to the AP Chemistry examination, a minimum of six review sessions will be conducted, including two Saturday sessions.

**Course Name:** Environmental Science

**Course Number:** SCI700

**Grades:** 11, 12

**Prerequisite:** Biology or PAP Biology, Application Required

**Credit:** 1

**Weighting:** (Standard)

Students will conduct field and laboratory investigations and learn to make informed decisions regarding today's environmental issues. Timely topics in the news are discussed weekly and students are expected to follow environmental issues around the world. Several field trips will be taken each semester to environmental conservation facilities in the area. Students will study a variety of topics including the human population and its sustainability, environmental pollution, biodiversity and issues faced by our society in a rapidly changing global environment. The class will focus on different kinds of ecosystems around the world and learn how they function and what our relationship is to each one.

**Course Name:** Honors Anatomy & Physiology

**Course Number:** SCI430

**Grades:** 11, 12

**Prerequisite:** Biology, Chemistry, application required

**Credit:** 1

**Weighting:** 10%

Human anatomy and physiology will explore and discuss how the human body is organized and review necessary and functional processes common to all humans. This will be a comprehensive study of the structures and functions of the human body. Three essential concepts –the complementarity of structure and function, hierarchy of structural organization, and homeostasis-will unify and form the bedrock of the study of the human body. This course will include dissections and the study of organs and organ systems. Students will utilize critical thinking skills and scientific problem solving skills as they conduct laboratory investigations.

**Course Name:** Physics

**Course Number:** SCI300

**Grades:** 11, 12

**Prerequisite:** Chemistry or PAP Chemistry, completion or concurrent enrollment in Algebra II, Application Required

**Credit:** 1

**Weighting:** (Standard)

Students will utilize scientific methods during lab and field investigations. They will use critical thinking skills in scientific problem solving. Areas of study will include laws of motion, changes within physical systems and conservation of energy and momentum, force, thermodynamics, characteristics of waves and quantum physics. This course provides the students with a mathematical framework, factual knowledge, along with

analytical and scientific skills.

**Course Name:** AP Physics 1

**Course Number:** SCI375

**Grades:** 11, 12

**Prerequisite:** Geometry, concurrent enrollment in Algebra II or an equivalent course, Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

**AP Test Fee and Textbook Purchase Required**

AP Physics 1 is equivalent to the first-semester of a college course in algebra-based physics, typically taken by students who will be majoring in the life sciences, pre-med, some applied sciences, as well as other fields not directly related to science (e.g., business or management). The course covers Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students will take the Advanced Placement exam in May and one semester of college credit may be earned.

**Course Name:** AP Physics 2

**Course Number:** SCI395

**Grades:** 12

**Prerequisite:** Physics or AP Physics 1 (or a comparable introductory course in physics), concurrent enrollment in Pre-Calculus or an equivalent course, Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

**AP Test Fee and Textbook Purchase Required**

AP Physics 2 is equivalent to the second-semester of a college course in algebra-based physics, typically taken by students who will be majoring in the life sciences, pre-med, some applied sciences, as well as other fields not directly related to science (e.g., business or management). The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. Students will take the Advanced Placement exam in May and one semester of college credit may be earned.

**Course Name:** Forensic Science Overview

**Course Number:** SCI410

**Grades:** 11, 12

**Prerequisite:** Biology, Chemistry

**Credit:** 1

**Weighting:** (Standard)

This course is designed to challenge students with topics such as fingerprinting, DNA analysis, blood typing and spattering, trajectories (for ballistics as well as blood spattering) comparative anatomy, and chemical analysis of drugs, poisons, and trace evidence and the dynamics of Physics. Students will learn about the careers involved with Forensic Science and will play mock roles as experts in the field to solve crimes.

They will learn teamwork in solving the mock crimes and have a chance to change their roles as the year progresses. The students will all be given the tools to interpret data and techniques involved for both chemical and biological analysis of evidence.

**Course Name:** Honors Medical Microbiology

**Course Number:** SCI425

**Grades:** 11, 12

**Prerequisite:** Biology, Chemistry, application required

**Credit:** 1

**Weighting:** 10%

Students in Medical Microbiology explore the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms and emerging diseases. Units include immunology, bacteriology, virology, infectious disease and others.

# Social Studies

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**Course Name:** Cultural Geography

**Course Number:** HIST110

**Grade:** 9

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

Course studies ancient world cultures and their interrelationships with geographic structure and regions, to gain a global perspective on current world events. Content includes a review of the five themes of geography, human origins and distribution; a study of the history and culture of Ancient Sumer, Egypt, Hebrew, India, China, Greece and Rome as well as a comparative look at the origins of the major religious systems.

**Course Name:** PAP Cultural Geography

**Course Number:** HIST115

**Grade:** 9

**Prerequisite:** application required

**Credit:** 1

**Weighting:** 10%

Course studies ancient world cultures and their interrelationships with geographic structure and regions, to gain a global perspective on current world events with an emphasis on writing and AP skills as a foundation for future AP studies. Content includes a review of the five themes of geography, human origins and distribution; a study of the history and culture of Ancient Sumer, Egypt, Hebrew, India, China, Greece and Rome as well as a comparative look at the origins of the major religious systems.

**Course Name:** Modern World History

**Course Number:** HIST200

**Grade:** 10

**Prerequisite:** Cultural Geography or PAP Cultural Geography

**Credit:** 1

**Weighting:** (Standard)

This course provides students with the opportunity to explore important people, events and issues from 1450 to the present. Students analyze the process by which democratic governments formed as well as their impact on cultures and civilizations around the world. Students will evaluate political and economic imperialism and major revolutions. Students will examine the impact of religion and philosophy on the modern world. Students will trace and make connections between the developments made in science, technology, and industry as they use historical inquiry to research and interpret historical sources.



**Course Name:** AP World History

**Course Number:** HIST275

**Grade:** 10

**Prerequisite:** Cultural Geography or PAP Cultural Geography, Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

AP Test Fee and Textbook Purchase Required

The AP World History course covers the rise of the early river civilizations to the modern age emphasizing the cultural, technological, institutional, and geographic influences among major societies. This course contains a global focus on interactions in the following regions: Asia, Europe, Southwest Asia, Sub-Saharan Africa, and the Americas. Students will compare and distinguish the change and continuity across time among the societies of these regions. Students will analyze primary source documents, read independently, and develop higher order thinking skills including the presentation of evidence in a variety of essay formats. This course will prepare students to take the AP World History exam in May, which could result in college credit.

**Course Name:** United States History

**Course Number:** HIST300

**Grade:** 11

**Prerequisite:** Modern World History

**Credit:** 1

**Weighting:** (Standard)

United States History is a study of the political, social and economic events in the United States up to the present. Emphasis will be placed on significant individuals, issues, ideas and events that affect our country's history, present and future. In addition, students will learn how geography influences historical developments, economic development and growth, understand the nation's social, cultural and political development as the United States emerged as a world power and the relationship of the United States to other nations of the world. Course activities will include note taking, projects, use of media, research, and exams over the various units of study.

**Course Name:** Dual Credit United States History

**Course Number:** HIST350

**Grade:** 11

**Prerequisite:** Modern World History, Application Required

**Credit:** 1 High School / 3 College

**Weighting:** 10%

Course Fee and Textbook Purchase Required

The Dual Credit United States History is equivalent to a college survey course in United States History and is taught with a college level text. It is a study of the political, social and economic events from the origins of Native Americans to the present. The purpose of this course is to develop, within each student, a greater understanding of the

development of the United States through analytical skills and factual knowledge of the time period. Emphasis will be placed on assessment of historical materials and its relevance to given interpretive problems. Summer reading is required for this academic course. The curriculum follows that of Texas Wesleyan University's survey level United States History classes. Dual Credit students receive both high school credit and six hours of college history credit upon completion of this course with a passing grade.

**Course Name:** AP United States History

**Course Number:** HIST375

**Grade:** 11

**Prerequisite:** Modern World History, Application Required

**Credit:** 1 High School / Possible College Credit through Examination

**Weighting:** 15%

Test Fee and Textbook Purchase Required

Emphasis in this class is placed on interpreting documents, mastering a body of factual material, as well as thinking and writing critically. A few topics studied and discussed will include revolutionary ideology and constitutional development, Jeffersonian and Jacksonian democracy, nineteenth-century reform movements and Manifest Destiny, the Civil War and Reconstruction, immigration, industrialism, The Gilded Age, Progressivism, WWI and II, Roaring Twenties, the Great Depression, the New Deal, the Cold War as well as postwar and the twenty-first century. Assignments and discussions will be built around the themes of diversity and the development of an American identity, evolution of American culture, demographic changes, economic trends, environment issues, development of political institutions and components of citizenship, social reforms movements, the role of religion, history and impact of slavery and America's role in the global community. We will trace these themes while making critical connections and examining America. The curriculum is prescribed by the College Board for AP classes.

**Course Name:** US Government and Politics

**Course Number:** GOVT400

**Grade:** 12

**Prerequisite:** Standard, DC, or AP United States History

**Credit:** .5

**Weighting:** (Standard)

A general study of the federal, state, local governments and the American political system. Government institutions, political trends and the effect of the media will be studied in depth. A strong emphasis is placed on civic participation and responsibilities and Democratic beliefs as citizens. This course provides the opportunity to study the foundations of the government on its various levels: local, state and federal. In the process, major government documents will be examined: Declaration of Independence, Constitution in addition to various Supreme Court decisions.

**Course Name:** AP US Government and Politics

**Course Number:** GOVT475

**Grade:** 12

**Prerequisite:** Standard, DC or AP US History, application required

**Credit:** .5 High School / Possible College Credit through Examination

**Weighting:** 15%

AP Test Fee and Textbook Purchase Required

The AP Government and Politics is equivalent to an introductory college course in government. Emphasis is placed on knowledge of important facts, concepts and theories involving United States government and politics, comprehension of political processes and patterns and their behavior and consequences and analysis and interpretation of governmental and political data. Major areas of study include formulation and adoption of constitution, separation of powers, checks and balances, federalism, theories of democracy, beliefs of citizens, informing citizens, public opinion, political participation, public influence, political parties - functions, organization and development, interest groups, function and impacts of news media, formal and informal arrangements of power in government institutions, relationships between government institutions, policy making, formulation of political agendas, implementation and interpretation of policy, development and judicial interpretation of civil rights and liberties, knowledge of rights and liberties, the impact of fourteenth amendment on civil rights and liberties and several Supreme Court decisions. Summer reading will be required for this academic program. The curriculum is prescribed by the College Board for AP Classes.

**Course Name:** Principles of Economics

**Course Number:** ECON400

**Grade:** 12

**Prerequisite:** US Government and politics or AP US Government

**Credit:** .5

**Weighting:** (Standard)

This course will prepare students to master fundamental economic concepts, applying the tools (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems. Students will study the basic economic principles of micro and macroeconomics, international economics, comparative economics systems, measurement and methods.

**Course Name:** AP Macroeconomics

**Course Number:** ECON475

**Grade:** 12

**Prerequisite:** Application Required

**Credit:** .5 High School / Possible College Credit through Examination

**Weighting:** 15%

AP Test Fee and Textbook Purchase Required

An AP course in macroeconomics is designed to give students a thorough understanding of the principles that apply to the economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops familiarity with economic performance measures, economic growth, and international economics. The curriculum is prescribed by the College Board for AP Classes. AP students prepare to take the AP examination in May for possible college credit.

# Foreign Language

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**Course Name:** Latin I

**Course Number:** LAT100

**Grades:** All grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course introduces the basic structure and vocabulary of the Latin language. Students begin to develop skills in reading, writing, speaking, and listening. Emphasis is placed on the development of basic vocabulary and English derivatives. Classical culture and the history during the period of the kings will also be introduced.

**Course Name:** Latin II

**Course Number:** LAT200

**Grades:** All grades

**Prerequisite:** Latin I

**Credit:** 1

**Weighting:** (Standard)

This course builds on the skills acquired in Latin 1. Students review structure and vocabulary from the first courses extensively and continue to develop skills in reading, writing, speaking and listening as their knowledge increases. Roman history will be taught beginning with the Republic and ending with the fall of the Empire.

**Course Name:** Honors Latin III

**Course Number:** LAT325

**Grades:** 10, 11, 12

**Prerequisite:** Latin II, Application Required

**Credit:** 1

**Weighting:** 10%

This course builds on the skills acquired in Latin 1 and 2. Students will review structure and vocabulary from the first courses and will develop more advanced skills in reading, writing, speaking, and listening. An introduction to classical literature will be presented, emphasizing translation of this literature. Students will do four additional projects to receive pre-AP credit.

**Course Name:** Honors Latin IV

**Course Number:** LAT425

**Grades:** 11, 12

**Prerequisite:** Latin III or Honors Latin III, Application Required

**Credit:** 1

**Weighting:** 10%

This course builds on the skills acquired in Latin 1, 2, and 3. Students will develop more advanced skills in reading Latin literature and will review all concepts of Latin grammar.

Students will do four additional projects to receive PAP credit.

**Course Name:** Spanish I

**Course Number:** SPAN100

**Grades:** all grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course is designed as an introduction to the basic structure and vocabulary of the Spanish language. Students begin to develop skills in speaking, listening, reading and writing. Emphasis is placed on the development of basic vocabulary and beginning linguistic practice. Students will be introduced to a beginning level of Hispanic literature. Hispanic culture will also be introduced.

**Course Name:** Spanish II

**Course Number:** SPAN200

**Grades:** All grades

**Prerequisite:** Spanish I

**Credit:** 1

**Weighting:** (Standard)

This course builds on the skills acquired in Spanish 1. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills in speaking, listening, reading and writing as their knowledge of the language increases. Students will begin to read more advanced Hispanic literature. Linguistic practice is conducted in a cultural context in an effort to teach students to communicate real messages to a real audience for a real purpose.

**Course Name:** Honors Spanish III

**Course Number:** SPAN325

**Grades:** 10, 11, 12

**Prerequisite:** Spanish I, Spanish II, application required

**Credit:** 1

**Weighting:** 10%

Pre-AP Spanish III builds on the skills acquired in Spanish I and II. The structure and vocabulary from the first two courses are reviewed at the beginning of the year. Students in Pre-AP Spanish III will be expected to produce at a more advanced level of listening, speaking, reading and writing than the on-level Spanish III. Students will perform oral presentations both individually and in groups, write paragraphs and short essays on specific topics related to the chapter themes, and be expected to read aloud with higher expectations of correct pronunciation. Pre-AP students will be expected to participate orally in class during oral practice and discussions, in groups and individually. Students will learn about the culture of Spain developed by studying the geography, customs, music and art and they will be able to compare Spain's culture with Latin American culture.

**Course Name:** Dual Credit Spanish III/IV (1<sup>st</sup> Year College)

**Course Number:** SPAN450

**Grade:** 11, 12

**Prerequisite:** Spanish II or III

**Credit:** 1 High School / 6 College Hours

**Weighting:** 10%

**Course Fee and Textbook Purchase Required**

This course builds on the skills acquired in Spanish 1, 2, and 3. Structure and vocabulary from the first courses will be reviewed. Students are exposed to a broader spectrum of Hispanic literature and culture. Spanish is spoken extensively in the classroom and emphasis is placed on writing. Students who pass this course will have the option of testing out of eight hours of Spanish 1 credit in college.

**Course Name:** Dual Credit Spanish IV/IV (2<sup>nd</sup> Year College)

**Course Number:** SPAN460

**Grades:** 12

**Prerequisite:** DC Spanish III - IV

**Credit:** 1 High School / 6 College Hours

**Weighting:** 10%

**Course Fee and Textbook Purchase Required**

This course builds on the skills acquired in Spanish 1 and 2. The structure and vocabulary from the first courses will be extensively reviewed. Students will develop more advanced skills in speaking, listening, reading and writing through the use of Spanish in the classroom. An emphasis will be placed on cultural awareness through the use of Hispanic literature and history.

**Course Name:** American Sign Language I

**Course Number:** ASL100

**Grades:** All grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course is designed as an introduction to the structure of American Sign Language. Instructional emphasis will be on sentence and word structure and signs for the alphabet and for basic beginning vocabulary.

**Course Name:** American Sign Language II

**Course Number:** ASL200

**Grade:** All grades

**Prerequisite:** ASL I

**Credit:** 1

**Weighting:** (Standard)

This course builds on the skills acquired in ASL 1. Basic structure and vocabulary from the first level will be reviewed. Students will continue to develop skills as their knowledge of the language increases.

**Course Name:** American Sign Language III

**Course Number:** ASL300

**Grades:** 11, 12

**Prerequisite:** ASL I, II

**Credit:** 1

**Weighting:** (Standard)

Students will build on the skills learned in ASL I and II. Students will continue to develop skills as their knowledge of the language increases.

**Course Name:** American Sign Language IV

**Course Number:** ASL400

**Grades:** 12

**Prerequisite:** ASL I, II, III

**Credit:** 1

**Weighting:** (Standard)

Students will build on the skills learned in ASL I, II and III. Students will continue to develop skills as their knowledge of the language increases.



# Fine Arts

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**Course Name:** Art I

**Course Number:** ART100

**Grade:** All Grades

**Prerequisite:** none

**Credit:** 1

**Weighting:** (Standard)

Art 1 is designed to expose students to a variety of 2D and 3D mediums with an emphasis on the elements of art and principals of design. Students will explore a variety of mediums including, but not limited to drawing, pastel, painting, printmaking, ceramics, sculpture, glass fusion, and digitally generated art.

**Course Name:** PAP Art

**Course Number:** ART325

**Grade:** 10, 11, 12

**Prerequisite:** Art I, Teacher Recommendation and Portfolio Review

**Credit:** 1

**Weighting:** 10%

Pre AP Art is a course designed for the serious art student who wishes to further explore art elements, design principles, art mediums, and advanced techniques. The PAP students will be creating approximately 12 pieces to represent the breadth portion of their AP portfolio. A variety of mediums may be explored including, but not limited to, ceramics, mosaic, paper mache, warm glass, polymer clay, graphite, colored pencil, pastel, watercolor, acrylic painting, and digitally-generated art.

**Course Name:** AP Studio Art

**Course Number:** ART475

**Grade:** 11, 12

**Prerequisite:** PAP Art

**Credit:** 1 High School / Possible College Credit by examination

**Weighting:** 15%

AP Test Fee Required

AP Studio Art students are expected to perform at the college freshman level. Students must commit to a vigorous program in the creation of their portfolio. The 24-piece portfolio must demonstrate the exploration and investigation of all three critical aspects of an AP Drawing Portfolio – quality, breadth, and concentration, using the AP Studio Art poster for reference. The AP Studio Art Drawing Portfolio requires significantly more commitment and accomplishment. Work outside the classroom is necessary and expected (approx. 6-10 hours per week).

**Course Name:** Concert Band

**Course Number:** MUSB100

**Grade:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (standard)

This class meets before school.

Concert Band incorporates a new, more in-depth level of difficulty in concert music. Band members participate in the FWC Cardinal Pep Band, ATSSB All-State Auditions, and TAPPS Instrumental Contest as part of a large group ensemble. They may also participate in a solo or small ensemble and in music festivals statewide and nationwide.

**Course Name:** Jazz Band

**Course Number:** MUSB200

**Grade:** All Grades

**Prerequisite:** Audition Only

**Credit:** 1

**Weighting:** (Standard)

Jazz Band incorporates an in-depth study in the styles and techniques of jazz music with the use of guitars, basses, percussion, brass, and woodwinds. Band members participate in the FWC Jazz Band, ATSSB All-State Auditions, and TAPPS Instrumental Contest as part of a large group ensemble. They may also participate in a solo or small ensemble and in music festivals statewide and nationwide.

**Course Name:** Strings/Orchestra

**Course Number:** MUSS100

**Grade:** All Grades

**Prerequisite:** Experience Recommended/Acceptance by Instructor Approval

**Credit:** 1

**Weighting:** (Standard)

Students receive semi-private instruction on instrument technique, music theory, music literature and ear training through preparing for performances in an ensemble setting. Skills learned will culminate into several ensemble, solo and competition performances throughout the year.

**Course Name:** Mixed Choir (Activity 1B, T/Th, 7-7:45am)

**Course Number:** MUSC100

**Grade:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

The purpose of this class is to provide musical direction for the student gifted in vocal music. Students are prepared for performances and opportunities to “shine.” Students from the class will compete in the vocal music division of TAPPS in the spring. Some

time is spent working on increasing the ability of the student to learn to sight-read. Both Classical and Modern music is reviewed and performed. An introduction to Music History is also presented.

**Course Name:** **Worship Team**

**Course Number:** MUSW100

**Grade:** Grades 10, 11, 12

**Prerequisite:** Audition

**Credit:** 1

**Weighting:** (Standard)

The FWC High School Worship Team is a performance group comprised of several student vocalists and instrumentalists who have a passion to lead their peers in worship. It is a Music Elective in which the students are encouraged to use their gift of music to glorify and honor God. There are countless opportunities for spiritual enrichment and cooperative learning throughout the school year as each student learns to minister and serve their peers. The worship team leads praise and worship weekly on Wednesdays during the combined High School Chapel. This group is also given several opportunities during the school year to lead worship and perform at many other campus wide events.

**Course Name:** **Theatre Arts**

**Course Number:** TART100

**Grade:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course provides a study of the art, craft and business of theatre. Emphasis is placed on the audience's appreciation of the work of the playwright, director, actors, designer, producer and critic. Upon completion, students should be able to demonstrate a vocabulary of theatre terms and recognize the contributions of various art forms. This course has been approved to satisfy the fine arts credit needed for graduation. Students will not be graded on acting, singing, dancing or designing. Students will be required to attend at least one performance per semester, and also work in the box office, as an usher or on stage crew for at least on fine arts performance per semester.

**Course Name:** Honors The Art of Film

**Course Number:** FILM230

**Grade:** 11, 12

**Credit:** 1

**Weighting:** 10%

In "The Art of Film," students will consider the tools that filmmakers use to create their art. They will learn about the techniques used by filmmakers and analyze a variety of films in light of these techniques. During the class, student will watch and discuss films from various genres, time periods, and cultures. Students will produce several short films or scripts that highlight elements of particular genres of film. One of the requirements of this class is the production of a short film that will be submitted for competition in TAPPS academic meet. This class can be taken either as an on-level credit or an honors credit. Both levels will meet in the same class period. Application is required for honors credit. This class is offered as an honors level and will be in the same class period with on level Art of Film students receiving adaptations for their additional weighted credit.

**Course Name:** Drill Team

**Course Number:**

**Grade:** All Grades

**Credit:** 1

**Weighting:** (Standard)

Is a group of female dancers who perform dance routines in unison. Drill team performs at sporting and other school-related events. They will compete against other teams at competitions. The Drill team exists to promote school spirit and build loyalty. Develop physical coordination and dance techniques. Entertain the school and community. Build confidence and self-esteem. Member by try out only. Team members practice during the Activity 1A period. Attendance is taken and a fine art credit is obtained. Uniforms need to be purchased by the drill team members.

# Technology

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**Course Name:** Intro to Technology

**Course Number:** COMP100

**Grade:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

Intro to Technology is a course that will expose the student to computers and its application in our society today. Discussions will surround computer hardware, computer programming, and software applications. Students will learn the basics of these topics through class discussion and lecture, and then will apply them through computer and digital electronic projects. This course is truly interactive hands-on project based curriculum designed to both stimulate interest in the fields of computer and engineering and leave every student with a very strong foundation of knowledge that is fundamental to all fields of computer science, engineering and technology.

**Course Name:** Intro to Information Technology (IT)

**Course Number:** COMP110

**Grade:** All Grades

**Prerequisite:** None / application required

**Credit:** 1

**Weighting:** (Standard)

This course will provide students with an overview of IT practices in troubleshooting and repair of computers and other technology devices. The first 9 weeks will feature basic troubleshooting theory and an introduction to hardware repair for most electronic devices and a brief overview of Windows/PC troubleshooting. The remainder of this course will heavily focus on repair and troubleshooting of Apple products and standards in preparation for the Apple Certification Exam (ACMT) that a student may choose to take at the end of the course. Other aspects of IT will be covered such as basic networking, printers, and mobile devices.

**Course Name:** AP Mobile Computer Science Principles (online only)

**Course Number:** COMP375B

**Grade:** 10, 11, 12

**Prerequisite:** None / application required

**Credit:** 1

**Weighting:** 15%

This course provides an introduction to basic principles of computer science (CS), including programming in App Inventor, a graphical programming language for Android mobile devices. Students will learn CS principles by building socially useful mobile apps and reflecting on the impacts of their work.

\* This is a projects based course and may be taken in the classroom or online.

**Course Name:** Multimedia

**Course Number:** COMP200

**Grade:** 12

**Prerequisite:** Application Required

**Credit:** 1

**Weighting:** (Standard)

This course will provide the students with knowledge in print design, audio soundtrack creation, animation, and digital video. Topics will include photo manipulation, print design, sound file creation and editing, animation with Flash, and digital video recording and editing.

**Course Name:** AP Computer Science

**Course Number:** COMP575

**Grade:** 10, 11, 12

**Prerequisite:** Application Required

**Credit:** 1 High School / Possible College Credit Through Examination

**Weighting:** 15%

**AP Test Fee and Textbook purchase Required**

AP Computer Science is a course that introduces the student to Object Oriented Programming. Students will become proficient in the Java programming language as well as software design. Students will also learn to analyze, debug, and extend code through the College Board Computer Science AP case study.

**Course Name:** Intro to Engineering and Robotics I

**Course Number:** COMP300

**Grade:** 9, 10, 11, 12

**Prerequisite:** Application Required

**Credit:** 1

**Weighting:** (Standard)

Introduction to Engineering and Robotics I is an intro-level engineering course with an emphasis in the areas of software engineering, electrical engineering, and mechanical engineering. Students will also be introduced to marketing strategies, fund raising, and business presentations and proposals that take place in a business environment that allows for the development of many of the advances in engineering that we have today. Students will participate in several robotics competitions through the course of the year, which will introduce them to these concepts in a hands-on environment and expose them to these many different areas of engineering.

**Course Name:** Engineering and Robotics II

**Course Number:** COMP500

**Grade:** 10, 11, 12

**Prerequisite:** Comp300

**Credit:** 1

**Weighting:** (Standard)

Introduction to Engineering and Robotics II is a course that builds off course I. This course occurs at the same time as the first course but with students taking mentorship and leadership roles in the engineering, programming, marketing, and design areas. They will be involved in several robotics competitions throughout the year, as well as researching and developing their own product.

**Course Name:** Yearbook

**Course Number:** YRBK100

**Grades:** 11, 12

**Prerequisite:** Application Required

**Credit:** 1

**Weighting:** (Standard)

This course teaches students the use of Adobe InDesign and Adobe Photoshop. Members of the class work together to publish the Cardinal yearbook, which is distributed to the entire student body in May. The yearbook covers Pre-Kindergarten through 12th grade. Students are expected to work independently on their individual assignments, cooperate with other members of the class, and think creatively to design and produce the yearbook. The yearbook advisor will seek teacher recommendation for the yearbook staff applicants. This course satisfies Technology credit.

# Electives

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**Course Name:** Academic Team

**Course Number:** ACTM100

**Grade:** ALL GRADES

**Prerequisite:** None, try out required

**Credit:** 1

**Weighting:** None

Academic team is a preparatory class for various academic events. A specially designed practice time allows for more coach/student time together to better prepare students for competition. The format of the practice time will vary depending on which event the student is preparing to compete in. Students in several events will rotate to see the coach for each event. This is a credit only, not calculated into GPA.

**Course Name:** Psychology/Sociology

**Course Number:** PSYCH100

**Grades:** 10, 11, 12

**Credit:** 1

**Weighting:** (Standard)

The first semester of this class is an introduction to the study of Psychology. Students learn personality through informal personality testing. Developmental Psychology reveals the process of learning and development throughout an individual's lifetime. Exciting discovery of the world of Abnormal Psychology is undertaken. Students begin to understand the larger picture involved in mental illness. Social Psychology reveals to the students the effects group interaction plays on an individual's life. This unit is the foundation for Sociology in the following semester. Time is spent examining social classes and hierarchy. The role of prejudice among groups in society, including minority cultures and genders is extensively examined.

**Course Name:** Community Service Elective

**Course Number:** SERV100

**Grades:** ALL GRADES

**Prerequisite:** None

**Credit:** 1 credit earned after student completes 100 hours of service

**Weighting:** (Standard)

Students are encouraged to participate in Service Learning by obtaining 100 service hours during their four years in high school. Students who complete the 100 hours receive an elective credit. Colleges and universities consider this type of community service when making admission decisions. This elective is not part of the student's daily course schedule; all hours are scheduled by the student in their spare time.



**Course Name:** Intro to Sports Medicine

**Course Number:** HPE100SM

**Grades:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (Standard)

This course is designed for any student who may be interested in a career in the medical field. This course provides the student with an opportunity for the study and application of the basic components of sports medicine. Along with classroom instruction, certain components of this class will require all students to physically participate in treatment applications and/or low intensity exercise demonstrations. This class will meet as part of your daily course schedule and will calculate into the GPA as an elective credit.

**Course Name:** Introduction to Business

**Course Number:** BUS100

**Grade:** 11,12

**Prerequisite:** none

**Credit:** 1

**Weighting:** (Standard)

Students will get a year-long look at basic business principles including accounting and finance, basic management principles, marketing, human resource management along with a touch of business law. This will calculate into the GPA as an elective credit.

# Athletics

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**Course Name:** Men's Athletics / Women's Athletics

**Course Number:** HPE100M/HPE100W

**Grades:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (not calculated)

These classes meet everyday during the school year and during the school day. Students are either in-season or off-season depending on the sport(s) in which they participate. Though a student may participate in more than one sport, he/she is to choose an initial sport in which to participate in during the Activity 2AB period if it is offered. Students must stay in and participate in their chosen athletic area until that season is completed before moving into another sport. **The following men's athletic teams will meet during athletic period: cross-country, football, basketball, soccer, track, and baseball. The following women's athletic teams will meet during athletic period: cross-country, volleyball, basketball, soccer, track, and softball.**

**Course Name:** After School Athletics

**Course Number:** HPE600AS

**Grades:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** (not calculated)

This includes sports that will meet outside the school day. Students may choose sports in which to participate, but must be in attendance at all practices and events to receive credit. After-school athletics includes students who are members of the tennis, golf, or swimming teams.

**Course Name:** PE Alternative

**Course Number:** HPE600Alt

**Grades:** All Grades

**Prerequisite:** Permission from HS Counselor

**Credit:** .5 Credit per Semester, with 60 hours completed per semester

**Weighting:** (not calculated)

This course is designed for students to be able to earn physical education credits through activities outside of Fort Worth Christian. In order to receive credit for these activities, a student must meet the following criteria: be under the supervision of an appropriately trained supervisor and participate for a total of 60 clock hours during the semester. Each form must be turned in before the quarterly grade reporting in order to receive a grade. See High School Counselor for packets and information on this class.

**Course Name:** Student Athletic Trainer

**Course Number:** HPE110SAT

**Grades:** All Grades

**Prerequisite:** None

**Credit:** 1

**Weighting:** not calculated

This course provides an opportunity for High School students to work directly with the FWC Head Athletic Trainer and learn basic hands-on skills for sports medicine. The student will report to the athletic training room and duties will include assistance with athlete treatments, taping applications, practice/game setup, athlete hydration, record keeping and training room inventory. Student athletic trainers will be required to assist FWC Head Athletic Trainer during all varsity football games. Like all athletic credits, this class does not calculate into the GPA.