



High School Course Catalog

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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.

Spring Achievement Testing - Each year in the spring, students will take an achievement test to evaluate academic growth, ability and achievement.

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

SAT/ACT - Juniors are encouraged to take these college entrance exams. 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 A, 80-89 is a B, 70-79 is a C, and 69 and below is an F. 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 unweighted.

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 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 1/2 credit will be earned per semester, regardless of the number of team sports played. PE Alternative provides those students not involved in FWC team sports the opportunity to earn 1/2 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 1st Year A (SPAN 2311)
DC Spanish 1st Year B (SPAN 2312)
DC Spanish 2nd Year A (SPAN 2313)
DC Spanish 2nd 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

Course Name: Life of Christ

Course Number: BIB100

Grade: 9

Prerequisite: None

Credit: 1 (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 (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 (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: Christian Life Prep

Course Number: BIB320

Grade: 11

Prerequisite: None

Credit: 1 (Standard)

Christian Life Prep bridges the gap between Biblical scholarship and an understanding of the Christian faith as well as how to walk the walk. This course aims to provide students with a clear understanding of what it means to be a Christian including our responses to the world around us. Topics covered will include apologetics, Christian leadership, Theology, Cultural relevance, Biblical Application, Service, Various “hot topics” and current events through a Christian Worldview lens. Students will participate through online lectures and cohorts, book studies, and face-to-face class meetings, including group projects. The online format meets students where there are, just as Jesus meets us where we are as He walks with us. The application style of the course allows us to journey with students in an environment in which they excel.

Course Name: Servant Leadership

Course Number: BIB310

Grades: 12

Prerequisite: None, application required

Credit: 1 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 (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 (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 (Dual Credit, Pre-AP), 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 (Dual Credit, Pre-AP), 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

Course Name: English I

Course Number: ENG100

Grade: 9

Prerequisite: English 8

Credit: 1 (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 (Pre-AP)

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 (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 I or PAP English I, Application Required

Credit: 1 (Pre-AP)

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 (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 (Pre-AP, Dual Credit), 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 (Pre-AP, Dual Credit), 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 (AP), 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 (AP), 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 (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 High School Honors Credit

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

Course Name: Algebra I

Course Number: MATH100

Grade: 9

Prerequisite: Math 8

Credit: 1 (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 (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: PAP Geometry

Course Number: MATH225

Grades: 9, 10, 11

Prerequisite: Algebra I, Application Required

Credit: 1 (Pre-AP)

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 PAP Geometry

Credit: 1 (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: PAP Algebra II

Course Number: MATH325

Grades: 10, 11, 12

Prerequisite: Geometry or PAP Geometry, Application Required

Credit: 1 (Pre-AP)

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 (Pre-AP, Dual Credit), 3 College

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 PAP Algebra II

Credit: 1 (Standard)

Weighting: None

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 Pap Algebra II, Application Required

Credit: 1 (Pre-AP)

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 Pre-AP Pre-Calculus, Application required

Credit: 1 High School (Pre-AP, Dual Credit), 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 (AP), 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 (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

Course Name: Biology

Course Number: SCI100

Grade: 9

Prerequisite: None

Credit: 1 (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 (Pre-AP)

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, Application Required

Credit: 1 High School (AP), 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 (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 (Pre-AP)

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 (AP), 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 (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 Honors Credit

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 (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 (AP), 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 (AP), 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: AP Physics C

Course Number: SCI385

Grades: 12

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

Credit: 1 High School (AP), Possible College Credit Through Examination

Weighting: 15%

AP Test Fee and Textbook Purchase Required

AP Physics C is equivalent to a college course in calculus-based physics, typically taken by students who will be majoring in the physical sciences, math, or engineering. Introductory differential and integral calculus is used throughout the course. The course focuses on a more in-depth study of mechanics and electromagnetism, exploring topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; oscillations and gravitation; electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields;

and electromagnetism. Students will take the Advanced Placement exam in May and up to two semesters of college credit may be earned.

Course Name: Forensic Science Overview

Course Number: SCI410

Grades: 11, 12

Prerequisite: Biology, Chemistry

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.

SOCIAL STUDIES

Course Name: Cultural Geography

Course Number: HIST110

Grade: 9

Prerequisite: None

Credit: 1 (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 (Pre-AP)

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: Ancient World History

Credit: 1 (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: Ancient World History or PAP Ancient World History, Application Required

Credit: 1 High School (AP), 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-Sahara 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 (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 (Pre-AP, Dual Credit), 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 (AP), 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 (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 (AP), 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 (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 (AP), 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

Course Name: Latin I

Course Number: LAT100

Grades: All grades

Prerequisite: None

Credit: 1 (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 (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: PAP Latin III

Course Number: LAT325

Grades: 10, 11, 12

Prerequisite: Latin II, Application Required

Credit: 1 (Pre-AP)

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: PAP Latin IV

Course Number: LAT425

Grades: 11, 12

Prerequisite: Latin III or Pap Latin III, Application Required

Credit: 1 (Pre-AP)

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 (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 (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: Spanish III

Course Number: SPAN300

Grades: 10, 11, 12

Prerequisite: Spanish II

Credit: 1 (Standard)

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: PAP Spanish III

Course Number: SPAN325

Grades: 10, 11, 12

Prerequisite: Spanish I, Spanish II, application required

Credit: 1 (Standard)

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 (1st Year College)

Course Number: SPAN450

Grade: 11, 12

Prerequisite: Spanish II or III

Credit: 1 High School (Pre-AP, Dual Credit), 3 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/V (2nd Year College)

Course Number: SPAN460

Grades: 12

Prerequisite: DC Spanish 3-4

Credit: 1 (Standard)

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 (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 (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 (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 (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

Course Name: Art I

Course Number: ART100

Grade: All Grades

Prerequisite: none

Credit: 1 (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 (Pre-AP)

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 II

Weighting: 15%

Credit: 1 High School (AP), Possible College Credit by examination

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 (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 (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 (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 (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 (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: Pre-AP Music Theory

Course Number: MUS225

Grade: 10, 11, 12

Prerequisite: 1 year of either Band, Choir, or Strings

Credit: 1 (Standard)

This class is designed for the second year music student who wants to have a better understanding of the language of **music**. In this all-in-one theory course, you will learn the essentials of music through concise lessons on music reading and writing as well as ear training and sight reading. This Honors Credit Fine Art elective will prepare the music theory student to progress to the AP Music Theory course in the following year.

Course Name: Theater Appreciation & Performance Studies

Course Number: TART110

Grade: All Grades

Prerequisite: None

Credit: 1 (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 one fine arts performance per semester.

Course Name: Theatrical Design & Tech Support

Course Number: TART210

Grade: 10, 11, 12

Credit: 1 (Standard)

For the students interested in audio visual technology, fashion design, make up, interior design and architecture. Emphasis is placed on designing technical aspects of lighting, sound, costumes and set for all FWC fine arts department productions in the new Chapel & Performing Arts Center with state of the art equipment. Upon completion, students will master design techniques and vocabulary that can translate to future careers in interested topics. Students will experience independent study during class, and opportunities for resume building with production experiences.

Course Name: The Art of Film

Course Number: FILM200

Grade: 11, 12

Credit: 1 (Standard)

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.

Course Name: Honors The Art of Film

Course Number: FILM230

Grade: 11, 12

Credit: 1 Honors Credit

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.

TECHNOLOGY

Course Name: Intro to Technology

Course Number: COMP100

Grade: All Grades

Prerequisite: None

Credit: 1 (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

Course Number: COMP110

Grade: All Grades

Prerequisite: None

Credit: 1 (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)

Course Number: COMP375B

Grade: 10, 11, 12

Credit: 1 AP Credit

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: 10, 11, 12

Prerequisite: Application Required

Credit: 1 (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: Previous Technology Credit, Application Required

Credit: 1 High School (AP), 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 (9th by Application Only)

Prerequisite: Technology Application Survey, Application Required

Credit: 1 (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 (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.

ELECTIVES

Course Name: Speech/Debate

Course Number: SPDE100

Grade: ALL GRADES

Prerequisite: None

Credit: 1

Students develop speaking and listening skills; write, speak and critique. The class will focus on speech events and presentation skills. Students will experience different types of speech styles including persuasive, informative, extemporaneous and humorous or dramatic interpretation. Special emphasis will be placed on use of language, voice, gesture, and organizational skills. Debate is a course that is valuable for those students interested in higher education, or in careers in law, business, or politics. Through debate preparation and class debates, the students will develop critical and analytical thinking skills, research skills, speech-writing skills, note taking skills, and skills for effective argumentation and persuasion. It will also require written composition of affirmative cases and negative blocks, and other original persuasive speeches. Students will be required to develop and maintain files on the debate resolution.

Course Name: Academic Team

Course Number: ACTM100

Grade: ALL GRADES

Prerequisite: None

Credit: 1

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.

Course Name: Psychology/Sociology

Course Number: PSYCH100

Grades: 10, 11, 12

Credit: 1 (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: Yearbook

Course Number: YRBK100

Grades: 11, 12

Prerequisite: Application Required

Credit: 1 (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.

Course Name: Christian Service Learning (Community Service Elective)

Course Number: SERV100

Grades: ALL GRADES

Prerequisite: None

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

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.

ATHLETICS

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

Course Number: HPE100M/HPE100W

Grades: All Grades

Prerequisite: None

Credit: 1 (Standard)

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 7th 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 (Standard)

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, swimming.

Course Name: PE Alternative

Course Number: HPE600Alt

Grades: All Grades

Prerequisite: Permission from HS Counselor

Credit: .5 Credit per Semester

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 (Standard)

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.

Course Name: Intro to Sports Medicine

Course Number: HPE100SM

Grades: All Grades

Prerequisite: None

Credit: 1 (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.