



METRO CHRISTIAN ACADEMY

6363 S. Trenton Avenue | Tulsa, OK 74136 | 918.745.9868 | www.metroca.com

HIGH SCHOOL COURSE SELECTION GUIDE

2021-2022

This catalog is designed to serve as a guide as you determine the classes that are appropriate for your high school student. This is a comprehensive list of classes and descriptions that are offered at the high school level. However, specific class details may change due to enrollment or other issues that may affect class size, etc.

CORE CLASSES

English Department

English I (Grade 9)

This course focuses strongly on mastery of fundamental high-school-level composition and research skills. Literature (short stories, drama, poetry, novels) is taught, and students engage with the texts through expository and persuasive discussions and compositions. A continuation of grammatical concepts and sentence/paragraph/essay structure is emphasized.

Honors English I (Grade 9)

This course is geared toward students who plan to take upper-level AP and dual-enrollment English courses during the junior and senior years. Strong mastery of the essay form is emphasized, and ACT/SAT-level vocabulary is taught. Students must exemplify mastery of research forms (documentation and citations) as well as timed-writing strategies for essays. Literature (short stories, drama, poetry, novels) is used to provide a foundation for critical analysis. **Prerequisites: teacher recommendation and 85% or higher in 8th-grade English.**

English II (Grade 10)

This course focuses on world literature, ranging from the Bible and Greco-Roman classics to modern-day African works. The course explores the literary continuity of man's journey to know himself, understand his place in the world, and acknowledge his relationship with the eternal. Students will develop literary analysis skills as well as precise written expression of complex original ideas. The course also encourages college-prep reading strategies and effective research & discussion skills.

Honors English II (Grade 10)

This course includes further high-level practice of literary analysis, rhetorical terminology, and essay structure. AP/SAT test preparation, vocabulary-building, and research are integral parts of the course, as is continuing to build confidence in timed writings. Novel/play units cover important contributions to world literature. **Prerequisites: teacher recommendation and 85% or higher in 9th-grade English.**

English III (Grade 11)

This course emphasizes improving composition and grammar skills and helps students broaden their vocabulary. It also develops critical-thinking skills and introduces rhetorical strategies. Major novel studies focus on American authors.

AP English Language and Composition with CCU Dual Credit option (Grade 11)

This course is geared for students who are prepared to tackle the rigors of a college-level class. College credit can be earned by passing the AP Language and Composition exam or by enrolling in dual enrollment through Colorado Christian University (Freshman Comp. I equivalent). Students will strengthen their rhetorical and analytical skills by examining the relationship of syntax, diction, tone, and purpose in literature and nonfiction. Extensive writing and reading of college-level materials is required. **Prerequisites: teacher recommendation and 85% or higher in 10th-grade English.**

American Studies Block: AP US History & AP English Language and Composition with CCU Dual Credit option in United State History (Grade 11)

American Studies combines two classes: AP U.S. History and AP English Language & Composition (AP English III). The ability to discuss American literature within the context of American history is at the true heart of the American Studies program. Throughout the course, students are exposed to a Biblical worldview of history. Students must rigorously engage in the material and discussions to gain a full understanding of the forces that have shaped this nation, its history, and its people. College credit in U.S. History and Comp I can be earned through Colorado Christian University. **Prerequisites: teacher recommendation and 85% or higher in 10th-grade English.**

English IV (Grade 12)

In English IV composition and grammar are refined, in conjunction with honing critical reading/analysis skills and building vocabulary. An in-depth research project prepares the student for college-level writing. In the fall, a college/career unit is taught, focusing on the college admissions process: interviewing skills, application letters, scholarship essays, resumes, and ACT preparedness. Novel studies focus on major contributions from British/Commonwealth writers.

AP English Literature and Composition with CCU Dual Credit option (Grade 12)

This course is geared for students who are ready to tackle the rigors of a college-level class. College credit can be earned by passing the AP Literature & Composition exam or by enrolling in dual enrollment through Colorado Christian University (Intro. to Lit. equivalent). Students will strengthen their analytical skills by researching and applying schools of critical analysis. They will also develop voice, focusing on accuracy, clarity, conciseness, and college-level diction and argumentation. Extensive writing and reading of college-level materials is required. In addition, a college/career unit is taught, focusing on the college admissions process: interviewing skills, application letters, scholarship essays, resumes, and ACT preparation. **Prerequisites: teacher recommendation and 85% or higher in 11th-grade English.**

Mathematics Department

Algebra I

This course includes these topics: variables, linear equations, operations with real numbers, problem solving, polynomials, exponents, quadratic equations, algebraic fractions, ratio, percent, systems of linear equations, functions, inequalities, graphing, rational/irrational numbers, and radicals and their operations. The use of graphing calculators is introduced to reinforce a sense of numbers, to discover patterns and relationships, and to graph equations.

Geometry

Geometric concepts introduced in other courses will be reviewed and extended. Topics include: perpendicular and parallel lines, congruent and similar triangles, quadrilaterals, polygons, right triangles, circles, Euclidean constructions, areas, volumes, and coordinate geometry. Informal and formal proofs are an integral part of the course. Graphing calculators will be used to reinforce geometric concepts and constructions. **Prerequisite: Algebra I.**

Honors Geometry

Honors Geometry covers all the topics listed under Geometry but with a more in-depth and comprehensive study.

Prerequisite: Honors Algebra I and/or teacher recommendation (based on effort and grade performance)

Algebra II Part I

This course is the first of a two-course College Algebra readiness sequence. Topics of study reinforce and extend the concepts of Algebra I and Geometry with a focus on mastery, retention, and application. New topics include statistics and probability, graphing and solving systems of linear equations, linear and quadratic functions, absolute value, inequalities, and simplifying algebraic expressions, and matrices. Concepts are extended to applying patterns and relationships to problem solving situations. **Prerequisites: Algebra I and Geometry.**

Algebra II/Advanced Math

This is the second course in the College Algebra readiness sequence. Focus continues to be on mastery, retention, and application of important algebra concepts with extension into topics in trigonometry and precalculus. Areas of study include rational and irrational expressions; polynomial, exponential, and logarithmic expressions, equations, and functions; conics and trigonometric functions. **Prerequisite: Algebra II or Algebra II Part I.**

Honors Algebra II

Honors Algebra II covers all the topics listed under Algebra II as well as matrices, determinants, probability, and an introduction to statistics. Prerequisites: Geometry or Honors Geometry and teacher recommendation. **Prerequisites: Honors Algebra I, Honors Geometry, and/or teacher recommendation (based on effort and grade performance).**

Honors Trig/Pre-Calculus

This course is designed to prepare students for further study in advanced mathematics by approaching topics analytically. Trigonometry is covered the 1st semester. It includes right triangle trig, circular and inverse trig functions, trig identities, equations, and inequalities, sinusoids, polar coordinates and equations, and polar form (trig form) of complex numbers. Pre - calculus is covered the 2nd semester. It includes the study of these functions: linear, absolute value, squaring, square root, and cubing, greatest integer, rational, exponential, logarithmic, and logistic. Transformations are applied to all these basic functions. End behavior and limits of functions are treated extensively. Data analysis and statistical regressions are also used to exhibit applications of functions. Graphing calculators are used to visualize and reinforce concepts. **Prerequisites: Algebra I, Geometry, Algebra II and teacher recommendation (based on effort and grade performance).**

AP Statistics

This Advanced Placement course introduces students to the major concepts of both descriptive and inferential statistics. Data is collected, analyzed, and studied to make conclusions. Probability theory and the testing of hypotheses are emphasized for depth and understanding. Graphing calculators are used to create graphic displays and compute advanced statistical measures. The course is structured to prepare students for the AP Statistics Exam which is given in May each year. **Prerequisites: Algebra I, Geometry, Algebra II, and teacher recommendation.**

AP Calculus AB

This Advanced Placement course is intended for college-bound students who have a thorough knowledge of algebra, geometry, trigonometry, and pre - calculus. The course is structured to prepare students for the AP Calculus AB Exam which is given in May each year. Topics are aligned with the AP guidelines given by the College Board. They include elementary functions, limits, differential calculus, integral calculus, elementary differential equations, and slope fields. Graphing calculators are used to visualize functions, the relationships with their derivatives, and slope fields. **Prerequisites: Algebra I, Geometry, Algebra II, Trig/Pre-Calculus and teacher recommendation.**

AP Calculus BC

This Advanced Placement course is intended for college-bound students who have a thorough knowledge of algebra, geometry, trigonometry, and pre - calculus. The course is structured to prepare students for the AP Calculus BC Exam which is given in May each year. Topics are aligned with the AP guidelines given by the College Board. They include elementary functions, limits, differential calculus, integral calculus, elementary differential equations, slope fields, parametric, polar and vector functions, and polynomial approximations and series. Graphing calculators are used to visualize functions, the relationships with their derivatives, and slope fields. **Prerequisites: Algebra I, Geometry, Algebra II, Trig/Pre-Calculus and teacher recommendation.**

Science Department

Biology

This high school level course introduces the branch of science concerned with the structure, function, growth, and distribution of living organisms. Both microscopic and macroscopic views of life are studied as well as how they interact. Topics include Biochemistry, Cells, Genetics, Plants, and Animals. Appropriate laboratory activities are introduced demonstrating the use of the scientific method.

Honors Biology

This honors level course prepares students for senior level Advanced Placement Biology. Major concepts and principles of biology and appropriate laboratory activities demonstrating the scientific method are emphasized in this course. Topics include: Biochemistry, Cell Biology, Microbiology, Genetics, Plant and Animal Biology. Students are expected to understand concepts at an in-depth level using critical thinking and analytical skills. Appropriate laboratory activities and reports are introduced demonstrating the use of the scientific method. **Prerequisites: Enrollment in this course requires a high standardized science test score and teacher recommendation (based on effort and grade performance in prior science courses).**

AP Biology with CCU Dual Credit option (Grade 12)

This advanced placement course is essentially the same biology course taken by college freshmen. Students will perform a minimum of twelve major laboratory exercises, many of them being inquiry-based and self guided. This course follows the guidelines as outlined in the AP Biology national curriculum and has been approved to also count as Biology 101 and 111 through Colorado Christian University. To be successful in the class, students must be self-motivated and possess investigative laboratory skills. Topics include Biochemistry, Cellular Biology and Interactions, Genetics, Microbiology, and Ecology. **Prerequisites: Biology or Honors Biology and Chemistry (Anatomy/Physiology is highly recommended but not required).**

Honors Anatomy and Physiology (Grades 11 & 12)

This honors level course provides an in-depth study of the human body. Physiology and the anatomical terminology of each major body system will be learned. Systems investigated include: Digestive, Skeletal, Muscular, Nervous, Cardiovascular, Endocrine, Reproductive, Respiratory, and Urinary. Emphasis on healthy living, understanding disease, and preparation for fields in health studies and medicine will be covered. This class will culminate with a required eight-week dissection of the cat. The spring semester final exam includes a practicum examination of the dissection experience. **Prerequisites: Biology and Chemistry (or concurrent).**

Chemistry

This course is an introductory course into the study of matter, its properties and interactions with other matter and energy. The atom is studied extensively as it pertains to all matter. Lab techniques utilizing safety, stress the use of the scientific method and investigate the chemistry concept. **Prerequisites: Biology and Algebra I.**

Honors Chemistry

This year-long course prepares students for AP Chemistry, roughly equivalent to the first semester of general chemistry for a science major's college class (engineering, chemistry, biology, nursing, pre-professional health sciences, physics). The foundational concepts and theories of chemistry studied include: atomic theory and development, nomenclature, stoichiometry, aqueous reactions, gas laws, and time permitting, organic chemistry. Lab activities reinforce concepts learned in lecture, giving practical, hands-on experience. Inquiry-based labs are included when appropriate. Intended for students who may wish to major in science in college. **Prerequisites: Biology and Algebra I.**

AP Chemistry with CCU Dual Credit option

The AP Chemistry course is designed as the second semester of an equivalent of a year-long general chemistry course for a science major's college class (engineering, chemistry, biology, nursing, pre-professional health sciences, physics), usually taken during a student's first year of college. Students will gain a depth of understanding of fundamentals and reasonable competence in dealing with chemical kinetics, thermodynamics, and equilibria. The course will contribute to the students' abilities to think clearly and express ideas, logic, and reasonability. An emphasis will be placed on chemical calculations, mathematical formulation of principles and laboratory work. This class is intended for students who may wish to major in science in college. Instructor permission required for enrollment. **Prerequisites: Students enrolled in AP Chemistry must show successful completion of Honors Chemistry and Algebra II.**

Physical Science (HS)

This introductory course provides students with the basic knowledge of physics, chemistry and astronomy. The course relates these basic sciences to man's physical world. **Prerequisite: Instructor approval required.**

Honors Physics

This honors course introduces students to the algebra-based basic knowledge of the discipline of physics including kinematics, theories and techniques, concepts and general principles of physics. Intended for students who may wish to major in science in college. **Prerequisites: Chemistry, Algebra I and II, and Trig/Pre-Calculus.**

AP Physics 1

This advanced placement course prepares students for the AP Physics 1 (algebra based) exam. It is essentially the same as a college level physics course. It is a laboratory-based course that provides students with the basic understanding of the physical laws fundamental to all sciences. Intended for students who may wish to major in science in college.

Prerequisites: Chemistry, Algebra I and II, and Trig/Pre-Calculus. Instructor approval required.

Earth Science (one semester)

Earth Science is a semester-long, laboratory-based science class emphasizing the processes that shape the Earth and explain the universe. Students will study the four main branches of Earth Science, which include: geology, oceanography, meteorology, and astronomy. Emphasis will be placed on how interactions within the systems of Earth create predictable changes to our dynamic planet. Students will also explore the current theories that describe the formation of Earth, our Solar System, and the universe. **Prerequisites: Biology, Chemistry.**

Environmental Science (one semester)

Environmental Science is a semester-long study of both natural and social sciences as they apply to the environment. It includes many aspects of biology, earth and atmospheric sciences, human population dynamics, ethics, economics, bias and an appreciation for the Earth and its natural resources. Students will apply prior scientific knowledge to current environmental issues to explore human impact on the health of the Earth. Lab experiences will emphasize scientific application as well as critical thinking and analysis. **Prerequisites: Biology, Chemistry.**

Forensic Science (Grade 12) (one semester)

Forensic Science is a semester-long introduction to the area of crime science and the law. Students learn how to collect, store, analyze, and interpret evidence as would be collected at a crime scene. They investigate various types of evidence such as hair and fibers, blood, fingerprints, drugs and alcohol, entomology, and skeletal remains. Use of the microscope and general chemistry and biology concepts are the main focus. A final exam includes both lab practical inquiry as well as objective questions. The negative effects of alcohol and drugs is a major focus in the curriculum. **Prerequisites: Biology, Chemistry.**

Biology II (one semester)

Biology II is a semester-long introduction to practical health and nutrition information. The role of nutrients in health management, weight control, and disease prevention, as well as behavioral influences on eating habits are discussed. Students complete an in-depth food nutrient analysis using chemical tests in a lab setting. Students assess personal nutritional status, develop individual nutrition plans, and learn positive eating behavior modification strategies. General health strategies and understanding of various diseases will also be addressed. **Prerequisites: Biology, Chemistry.**

History Department

Oklahoma History (Grade 9)

This one semester course examines natural features, first inhabitants, American and European explorers, Native Americans, War, Reconstruction, notable Oklahomans, plus the economy, and politics of Oklahoma. The class utilizes hands - on projects that give students a way to become more involved in the learning process.

World History (Grade 10)

This course will study world cultures and their historic developments using both a chronological and topical approach. Critical and creative thinking skills will be utilized to consider and compare different portions of the world and how they have developed at both divergent rates and differing ways. Special emphases will be placed on forces and civilizations shaping the world that students will be facing as they reach adulthood. There will also be an added emphasis on the development and influence of Christianity.

AP World History (Grade 10)

AP World History will follow the same format as the regular World History course with the additional requirements of: (1) supplemental readings; (2) use of primary sources; (3) writing three types of essays: (4) & a higher standard of evaluation. This course covers the history of the entire world and approximately 8,000 years of recorded history in 8 months. It is truly a survey course but with an added emphasis placed on writing and test taking skills that will make it possible for the students to be successful on the AP test that all should plan on taking in May. **Prerequisites: A-B or above in previous history classes and instructor approval.**

US History (Grade 11)

This two-semester course is a study of U.S. History with major focus on the Civil War to the present with a review of Colonial History to the Civil War. The students will also be introduced to Biblical principles of government and Christian History of the constitution to establish for them God's hand in history. The course emphasizes critical thinking skills, and expects that students move beyond rote learning and begins to apply the facts they are learning to particular historical events and issues with understanding.

AP US History (Grade 11)

This two-semester course is a college level course that studies US History from the Colonial period to the present. The students are required to do supplemental reading, essay writing and examination of original documents of history. They are also expected to analyze information and support their analysis with relevant historical facts. The course is designed to give the students an in-depth knowledge of American History and prepare the students for the AP exam. The students will also be introduced to Biblical principles of government and the Christian History of the constitution. As the students move through the course they will develop the habit of assessing information through economic, political, and culture/ social themes and develop their critical thinking and reasoning skills as well as their writing skills.

AP American Studies US History with CCU Dual Credit option (Grade 11)

The course combines the rigor of both AP U.S. History and AP English Language and Composition (AP English III). The ability to discuss American literature, music, and art within the context of American history is at the true heart of the American Studies program. Throughout the course, students will be exposed to a Biblical World View of history and develop the skill of thinking and reasoning Biblically. Students will have to go beyond the study of presidential trivia and basic grammar in order to gain a full understanding of the forces that have shaped this nation, its history, and its people. Addressing the questions of what America is, what it means to be an American, and where America is going is a driving force in the curriculum. This course also provides the opportunity for students to receive college credit in U.S. History and Comp I through Colorado Christian University, which should transfer to most major universities.

Government (Grade 12)

This one semester course studies governmental systems at the federal, state, and local level. It also spends a considerable amount of time teaching an understanding of why the Constitution is still a living and working document. Students also learn what their responsibilities are for being good citizens.

BIBLE DEPARTMENT

The high school Bible curriculum builds upon middle school curriculum with the ultimate goal of nurturing a student's relationship with Christ and preparing the student spiritually for success on a college campus. In high school, class schedules vary considerably due to differing needs and interests of students. Students may schedule courses based upon their individual scheduling needs; however, we request that they take the courses in the following order:

Doctrine – Know What You Believe (one semester)

This Bible course examines the fundamental beliefs of the Christian faith. This course emphasizes those foundational beliefs that are commonly shared among all evangelicals with opportunities provided for students to explore the specific traditions of their own churches. The doctrines of God, Christ, the Bible, humanity, sin, the Holy Spirit, salvation, and the church outline the content of this course.

World View (one semester)

Students in this one semester course evaluate and trace the major world views of theism, deism, naturalism, nihilism, existentialism, pantheism and postmodernism. Students learn the basic questions that define a world view and evaluate the worldviews from these important questions. World View is an important course to prepare students to more fully understand the Christian faith, defend their faith against opposing world views and witness to others with differing worldviews. The standard of God's truth is emphasized.

Personal Finance – A Biblical Perspective of Finances (one semester)

Since very few individuals in life will be able to afford everything they might want, it is important that each of us be able to maximize our ability to save, give prudently, invest for later needs, and purchase wisely for current expenses. In our Personal Finance class we will be utilizing the Foundations in Personal Finance curriculum of Dave Ramsey, watching the corresponding DVD's, and discussing relevant concepts. We will also be using additional hands-on activities and supplementing those with Jr. Achievement and basic economics materials. Outside speakers will also be recruited when possible to talk to the class about insurance, real estate, handling credit, etc. This course is founded on Scripture with all topics taught from a Biblical perspective. This course includes the fourteen objectives required by the Passport to Financial Literacy Act of 2007 (70 O.S. § 11-103.6h).

Apologetics (one semester)

This course systematically examines a rational defense of the basic elements of the Christian faith including the existence of God, reliability of the Bible, claims of Christ and the historicity of the resurrection. The student is exposed to the various religious, historical and scientific attacks that have typically been leveled at the Bible and Christianity. An overview of world religions and cults is included. The goal of this course is to prepare students to defend their faith against opposing world views and arguments. This course is meant to give students a firm foundation as they leave Metro and enter higher education programs.

Missions and Evangelism (Juniors & Seniors)

Missions and Evangelism is aimed at the development of the whole student – mind, body and spirit. Daily discipleship training encourages students to grow in the personal stewardship of their time, health, giftings, relationships and many other areas. A great amount of time is spent in the Bible and in prayer fostering their personal understanding and relationship with Jesus Christ. This course focuses on serving others from an overflow of this personal relationship with a Savior that daily guides our growth and decisions. While every class will weekly serve in the neighborhood schools, the international Missions and Evangelism class will travel abroad over spring break.

WORLD LANGUAGE DEPARTMENT

Spanish I

Students will learn to correctly use regular –ar/-er/-ir verbs, many irregular verbs, stem-changing verbs in the present tense, as well as regular verbs in the preterite. They will also learn basic vocabulary, direct and indirect object pronouns, accents and other punctuation. They will demonstrate appropriate subject-verb agreement, adjective agreement and adjective placement. Students will also acquire basic cultural knowledge, including the names of Spanish speaking countries and capitals, appreciation for Hispanic art and literature and contributions made by prominent Hispanics. Attention is given to covering the basic grammatical rules of the Spanish language. Course completion objectives include an ability to ask and answer simple conversational questions and to understand basic differences.

Spanish II

Spanish II students will continue to build their vocabulary knowledge, learn to use the preterit and imperfect tenses and be able to distinguish their uses. A significant portion of the year will be dedicated to learning the subjunctive mood and other compound tenses. They will also learn negative and indefinite words, formal and informal commands, and reflexive verbs in all the tenses mentioned above. Students will continue to be exposed to culture through a focus of music and celebrations. They will gain an appreciation for Hispanic art and literature and contributions made by prominent Hispanics. Students will also review the names of Spanish-speaking countries and capitals. The Spanish II student will continue to develop skills in listening, reading, oral and written communication. As a result, students produce more independently developed answers to questions, thereby indicating a better understanding of the language.

Honors Spanish III

Students will continue to build vocabulary knowledge. Students will review all concepts from the first and second year, as well as expanding on these concepts. They will use their skills to listen, read, write and speak in Spanish daily. The Spanish III student will continue to be exposed to culture through a focus of traditions in various Spanish speaking countries utilizing authentic materials. The student should be able to engage in limited discourse on topics familiar to him/her. The Honors Spanish III class prepares the advanced student to take AP Spanish and ultimately, the Advanced Placement Exam. **Prerequisites: Spanish II with B or higher and instructor approval.**

AP Spanish Language and Culture

The AP Spanish Language and Culture course provides students with opportunities to develop language proficiency across the three modes of communication: Interpretive, Interpersonal, and Presentational. Students learn about culture through the use of authentic materials that are representative of the Spanish speaking world. Materials include a variety of different media, e.g., journalistic and literary works, podcasts, interviews, movies, charts, and graphs. AP Spanish Language and Culture is a language acquisition course designed to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where Spanish is spoken and as such, is an immersion experience requiring almost intentional use of Spanish, a requirement which class participation grades reflect. Care will be taken to provide the students with sufficient practice in the most challenging areas so that the students take the exam with ease and confidence. **Prerequisites: Spanish I-III with a B or above average and instructor approval.**

Honors Spanish V - Literature

A small group study course is available for advanced students. This advanced class is for students who have completed AP Spanish and wish to continue their study of the language. The emphasis of this course is to learn the language, culture, and history through Spanish plays and books. This is an honors level course and will prepare them for college level Spanish literature classes. **Prerequisites: AP Spanish Language and Composition and instructor approval are required.**

American Sign Language I

In the first year of American Sign Language, students will learn basic ASL vocabulary, begin conversation skills, and gain an understanding of Deaf culture through vocabulary practice, activities, projects, and research. Students will also have an opportunity to use their skills in the Deaf community.

American Sign Language II

After students successfully complete American Sign Language I, they can continue to American Sign Language II. Students will increase their ASL communication skills both receptively and expressively through vocabulary activities, classes presented mostly or fully in ASL, and a variety of signed projects. By the end of ASL II, students should be able to have conversations in the Deaf community.

American Sign Language III

Students who wish to use American Sign Language long-term or who desire to improve their ASL skills should continue their studies in ASL III. Each week, students will strive to grow their knowledge base by engaging in interpreting practice, participating in classes presented fully in ASL, and discussing current events in sign.

COMPUTER SCIENCE DEPARTMENT

Computer Applications

Students will become familiar with computer concepts. Students will apply learning to practical application projects, including research and presentation on buying a personal computer. Furthermore, Computer Applications at the high school level will provide students with the opportunity to build upon previous learning through research, problem solving, and real world projects in the applications of word processing, spreadsheets, database, multimedia presentation, email, and the integration of software programs applicable to these applications.

Computer Graphics (one semester)

Graphic Arts is a very important part of a free enterprise system, providing a demand for career opportunities in the creative, technical, and skilled labor areas of the field. Students in Web Graphics will be introduced to the area of Graphic Arts, developing skills and knowledge in the areas of history of graphics and opportunities in graphic arts today, ethics (personal and law), basic design, and basic techniques of graphic software (Adobe Photoshop).

- Students in Level 1 will be introduced to the history of printing, art and copy preparation, as well as electronic and digital imaging; identify and use the basic elements of Adobe Photoshop; increase skills in keyboarding, and increase knowledge of basic computer operations.
- Students in Level 2 will have successfully completed Level 1 Graphic Arts and received instructor permission to enroll. Students will advance their skills in the area of graphic design through various tutorials in advanced Photoshop techniques and design principles. Mastery will be demonstrated through individualized projects.

Computer Science

This one-year course emphasizes basic computer programming. Students will become familiar with computer concepts and information in the areas of algorithms, programming languages, operating systems and user support, computer architecture, and social, ethical, and professional context. Students will learn to code programs using the high level language of JAVA. As part of this course, students will be exposed to a broad range of computing tools and skills while creatively addressing real-world issues and concerns.

Honors Computer Science

Successful completion of the first year course Computer Science, will allow students to be considered for a second year in Honors Computer Science. This course will further expand on the programming language Java and introduce Single-Dimensional Arrays, Multidimensional Arrays, Inheritance, Polymorphism, and Interfaces. Students will create a project using GUI controls.

AP Computer Science Principles

The AP Computer Science Principles course introduces students to the essential ideas of computer science and helps them to understand how computing and technology can influence the world around them. As part of this course, students will be exposed to a broad range of computing tools and skills while creatively addressing real-world issue and concerns. Along with the fundamentals of computing, students will learn: Creative problem solving, how to apply computational processes to analyze large data sets, internet structures and important cyber security issues, programming, and global impacts of computing.

Web Design (one semester)

This course is a one-semester introduction to Web Design. Students will learn how to navigate the web and to learn appropriate searches for academic purposes, as well as how to create web sites that flow properly, are simple yet attractive, and that allow users to navigate to the information they are seeking. Students will learn to be proactive in how to use and evaluate high quality web sites.

Level 1 requires students to learn and use HTML and CSS coding, rather than a proprietary program and often is taken the semester after Web Graphics.

Students in Level 2 will have successfully completed Level 1 Web Design and received instructor permission to enroll. Students will advance their skills in the area of Web Design through various advanced tutorials and proprietary programs, i.e. Dreamweaver.

HS Robotics

This year long course introduces basic concepts and methodology relative to engineering process and computer programming. Students will compete against local schools in the First Tech Challenge robotics league hosted by First Robotics. Students are given challenges and are required to build a robot using the engineering process that can complete the challenge efficiently. Students will utilize 3D printing technology in the solution to the problem they are presented with. Materials used in class will be Pitsco Tetrax Max kits in combination with modern robotics modules for building their robots. Students who enroll in this class must have a basic understanding of computers, must receive permission from the instructor to enroll, and must commit to participation in all competitive events, including but not limited to, working after school and weekend competitions. This course will fulfill high school computer requirements for graduation. Successful completion of the first year will allow students to be considered for Advance Placement Computers or a second year of Honors Advanced Programming. Class size is limited to 14 and must be approved by robotics teacher. Because of registration costs there is a \$50 class fee associated with this course.

FINE ARTS DEPARTMENT

HS Oratory

A full year course designed to prepare the student to communicate in the world today. The course includes study of why and how people communicate, how to improve communication, and finally, public speaking. The public speaking section includes speaking to inform, speaking to persuade, introduction to debate and argumentation, speaking to entertain, and oral interpretation.

Drama/Theatre Arts (cannot be taken twice)

Theatre Arts is a full year course designed to introduce the student to all aspects of drama and theatre production. Students will study acting techniques, structure of dramatic literature, theatre history, varieties of drama, as well as all the aspects of play and musical production. Students will study fundamentals of scene design, costuming, make-up, lighting and full production requirements. Theatre Arts is required before students move into any other drama class.

Theatre Production (Formerly Advanced Drama)

Theatre Production is designed for the serious drama student. The class will work extensively on scene and character development, scene structure, play writing and theatre history. The class is designed to prepare the student to enter drama programs in the University level. Students will be required to be involved in all drama department productions including but not limited to one act, winter production and the spring musical. ***Audition required for admittance.**

Rhetorical (Competitive Debate)

The class is offered to students who desire to compete in speech competitions. The course includes work in Lincoln Douglas debate, PF (team) debate, Original Oratory, Standard Oratory, and Extemporaneous Speaking. Students will be required to compete in two tournaments per semester. Speech Communications is desired, but not required. ***Instructor permission required.**

Stagecraft

The student will develop hands-on knowledge of methods and principles of backstage production. We will discuss and incorporate proper theatre safety procedures. The student will gain basic skills and working vocabulary in scenery, lighting, property construction, scene painting, and sound. Students will be required to crew for a minimum of one show per semester. ***Instructor permission required.**

Praise & Worship (Grades 9-12)

This class is a training ground for those interested in the ministry of being part of a praise and worship band. Members of the class will lead praise and worship for High School Chapel. Class time will include practice and musical instruction with intense Bible study. This course counts as a Fine Arts credit.

High School Art (Grades 9-12)

Students will explore visual ideas while developing skills in drawing, painting, and a variety of media. Success is not dependent on a student's previous skills. Experimentation in a wide range of styles and materials is encouraged. The principle and elements of art are emphasized. This course also covers basic art history but emphasizes production of art. Students may take this class more than once as different projects are included each year. Students exhibit in the All School Spring Art Show and are invited to join Art Club.

Honors Art (Grades 10-12)

Honors Art is for students with some art experience who have a sustained interest in producing art. Honors Art enters competitions, takes a field trip, and students are invited to apply for National Art Honor Society. Honors Art is a good stepping stone to AP Studio Art, or just a more serious study. Honors Art produces 2D and 3D art in a variety of mediums, including graphite, ink, charcoal, acrylics, watercolor and clay. Study includes the principles of design and covers basic art history, highlighting artists that have made important artistic contributions. Perspective drawing, as well as portraiture, still life, op art, architectural, interior and/or fashion design are covered. Honors Art may be taken more than one year as lessons rotate. Students exhibit in the All School Spring Art Show.

Ceramics (Grades 11& 12 - one semester)

Students will learn basic and advanced techniques for constructing artwork in clay and how to apply design and glaze. The clay wheel is part of the curriculum. This class has a limit of 15 students and a supply fee is collected.

Photography (Grades 11& 12 - one semester)

Photography class emphasizes elements that must be present in powerful photography, as well as creativity. Students will enter competitions and exhibit in the Spring Art Show. This class is limited to 15 students and a supply fee is collected.

AP Studio Art: Drawing/AP Studio Art: 2-D Design

AP Studio Art Drawing is a college level course that is demanding and exciting. Students will produce college level artworks and submit a portfolio for college credit. AP Drawing/Painting focuses on the drawing/painting techniques and mediums. AP 2D Design focuses on the production of art based on the principles of design, and work in drawing, painting, photography and computer art. In both courses, students select a topic to develop visually into an exhibit, called a "concentration" and also produce works representing a variety of ideas and/or mediums. AP Studio Art develops the artist's imagination and ability to conceptualize. Students are part of a small group in AP Art who mentor one another and build community. Students take field trips, enter competitions, and explore specialty materials and methods. Students have their own art space in the AP Art Studio and are a major part of the Metro Spring Art Show, as well as other exhibits, including Gilcrease Museum of Art. All AP Art students are invited to apply for National Art Honor Society. This is a fast-paced class. Students will produce art work they will treasure for the rest of their lives. Interested students are accepted through application and teacher interview.

Studio Art Lab

A class hour used to extend work time for AP Studio art students. Students work independently on current assignments. This class is limited to students enrolled in AP Studio Art. There is no credit earned for this class.

High School Band

An advanced ensemble, each member must have at least three years experience. Activities include: Concert Band, Marching Band, various contests, and a student-funded spring trip/tour. All students are expected to prepare All-District Band audition music and District Solo & Ensemble etudes. Private lesson instruction is strongly recommended.

***Instructors permission required.**

Beginning Band

The rental or purchase of a musical instrument and purchase of individual method book is necessary. Activities include a Christmas Concert, Spring Concert, and some type of competitive contest in the spring. Private lesson instruction is strongly recommended.

Jazz Band

The Jazz/Pep Band is an elite ensemble that studies all forms of jazz, swing, blues, funk, rock, fusion, and Latin. There is an emphasis on music theory and improvisation. This band also serves as the school pep band during the Spring Semester. Activities include: public performances, Christmas concert(s), Select Basketball games, a competitive contest, and a possible spring trip/tour. ***Instructor's permission required.**

Concert Choir

HS Choir is an auditioned group of 9th-12th grade students. They perform at numerous functions throughout the school year (Christmas Concert, Chapels, Fine Arts Nativity, Lights On, Contests and Festivals, Patriots on Parade, and Graduation). This group sings many styles of music (classical, sacred, pop and seasonal) and often incorporates choreography into their performances. Small ensembles are selected from within this choir to participate in school and community events. Choir outfits are required and expected to be purchased by each student. Auditions for this group are in the spring, which will enable students to make appropriate scheduling selections for the upcoming school year.

***Instructor permission required.**

Show Choir

An auditioned ensemble for students in grades 9-12. Show Choir performs at numerous functions throughout the school year (Fine Arts Fall Preview, Lights On, Christmas Concert, and Spring Concert). Show Choir centers around pop, Broadway, and movie music and incorporates choreography. ***Instructor permission required**

Music Theory

The study of how music works. It examines the language and notation of music. It seeks to identify patterns and structures in composers' techniques within genres, styles, or historical periods. Music theory analyzes the fundamental elements of music—rhythm, harmony (harmonic function), melody, structure, form, texture, etc. In the second semester, students will learn to compose an original song using their knowledge of music theory.

Creative Writing and Film Production

This class combines creative writing—that of poetry, short stories, screenplays, etc.—with that of basic film production: introducing students to the tools, techniques, and terminology used in filmmaking. By integrating the skills and knowledge developed in the creative process, students will work both independently and collaboratively to produce several works of written art, short films, and other varied exercises. Students will also have the opportunity to analyze films from all genres and decades and learn the fundamentals of various film equipment.

Library & Information Literacy

Library and Information Literacy classes will be limited to one - two high school students per class period for each of the 7 class periods. Prospective enrollees must fill out an application, be interviewed, and then selected by the library media specialist. Students will read and review fine arts related literature, use databases for projects and research, will have input in selection of books for the library and will have first chance to read new books. Students will also be assisting the librarian with circulation, shelving, promotion, and processing of books and materials as well as helping other students and faculty find and use information. This class will have assignments, grades, and quarter/final tests.

ELECTIVES

Accounting I (Grades 11 & 12)

This one-year course emphasizes basic accounting principles. Students learn to interpret business forms and to complete the steps in the accounting cycle - from journalizing to financial statements. An introduction to Quickbooks will follow to demonstrate how the accounting cycle functions in an online accounting system.

AP Psychology

The purpose of this course is to introduce students to an overview of psychology, its history, and its application to individual lives. Students will study various psychological views, principals, facts and phenomenon associated with subfields of psychology. Research methods that psychologists use will be analyzed and students will learn to read and interpret data from various types of studies. Due to sensitive material and conversations, students must come with a mature attitude. This class is recommended for juniors and seniors. This is a full year course.

Intro to Psychology (one semester)

The purpose of this course is to introduce students to an overview of psychology, its history, and its application to individual lives. Students will study various psychological views, principals, facts and phenomenon associated with subfields of psychology. Topics will include the biology of psychology, sensation and perception, consciousness, learning, memory, thinking, human development, personality, and psychological disorders.

Intro to Sociology (one semester)

The Sociology course is designed to introduce students to the sociological study of society. Sociology focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. Major themes in sociological thinking include the interplay between the individual and society, how society is both stable and changing, the causes and consequences of social inequality, and the social construction of human life. Understanding sociology helps discover and explain social patterns and see how such patterns change over time and in different settings. By making vivid the social basis of everyday life, sociology also develops critical thinking by revealing the social structures and processes that shape diverse forms of human life.

Holocaust (one semester)

This one semester course will examine the campaign for the extermination of European Jewry. Anti-Semitism, the rise of Nazism, the ghettos, the origins of the Final Solution, the camps and the resistance will be discussed. The roles of collaborators, bystanders, rescuers and liberators will also be considered. The history of genocide in the post-war period (Bosnia, Darfur, Rwanda) will also be examined. The course goal is to understand the processes leading to genocide and the role of Christians in preventing a recurrence of such events. This course cannot replace required history courses and will qualify as an elective credit.

Humanities (one semester)

Students will be introduced to the different elements of music, art, dance, and literature and how they apply to different political, religious, and historic contexts. The course begins with an introduction to the ancient civilizations of Sumeria, Egypt, and Greece and then focuses on later periods including Medieval, Renaissance, Enlightenment, Romanticism/Realism, and Modernism/Post-modernism. Throughout the semester, students will begin to understand how cultural elements reflect a society's beliefs and values as well as influence them.

Leadership in Action

This leadership class will be comprised of: Elected Student Council Officers (11-12 grades only), Class President and Vice President (10-12th grades), selected Committee Chairpersons (10th -12th grades) and NHS President and/or Vice President. Criteria for elected offices and committee chairpersons may consist of teacher recommendations, speeches and/or videos, personal interviews and involvement in school/club activities and meetings. It is mandatory for all students in this class to attend the BASIC Leadership Camp, the Leadership Class Retreat (usually the end of July) and be able to enroll in this 5th hour class.

Purpose: Through real-life, hands-on application of different types of experiences and situations, the students will learn and practice effective communication skills, collaboration and team building, time management and organizational skills, decision making and problem solving, and vision and goal setting while understanding how to become a more effective leader. The curriculum will also emphasize the importance of understanding the elements of trust, respect, responsibility, honesty, ethics, delegation, creativity, commitment, open-mindedness, flexibility and building a strong Christian character.

Students will plan, organize, execute, evaluate and participate in a multitude of school and community events (Welcome Back Week, Homecoming, Pep Assemblies, etc.) and service projects while creating a productive class environment and a positive atmosphere of school spirit and unity. While working with their peers, school administrators and community leaders, these hands-on, Christian leadership experiences will offer students a way to learn more about herself/himself and to explore whom she/he is in Christ and to realize their potential and responsibility as a leader.

Study Lab

The purpose of Study Lab is to provide a daily opportunity for structured study time with assistance as needed. The use of an agenda or a personal calendar is stressed in each Study Lab class to teach and develop organizational skills. Class time can be used to complete homework, review for tests, monitor assignments, and to review concepts; however, the structure of Study Lab does not accommodate individual tutoring. Study Lab may also be used to complete exams from other classes – a student may complete the exam in the Study Lab classroom or be excused to the specific teacher's classroom. Study lab is limited to ten students per class period to enable the teacher to best meet the needs of each student. There is an additional fee for this elective.

World War II (one semester)

This one semester class will examine the causes of the war, the personalities, weapons, battles, strategies, and the transition to the Cold War era. The war will be examined on the Biblical view of war and the just war theory. This course cannot replace required history courses and will qualify as an elective credit. It is also often taught in conjunction with the Holocaust class with one class taken each semester. Enrollment into this course based upon teacher approval.

Yearbook

The purpose of this class is the production of the yearbook. Students will learn appropriate placement and layout techniques. Students will build from the yearbook theme, incorporating that theme into the various sections and pages. The students must be self-disciplined and be able to work independently to achieve deadlines. Students must be self-motivated and demonstrate leadership skills. Students must complete an application process to be admitted to Yearbook. ***Instructor permission required.**

COURSES NOT FOR CREDIT

Advanced Study Hall (Grades 11 & 12)

Advanced Study Hall is available for students in grades 11 and 12 who are enrolled in a minimum of 2 Advanced Placement courses. This may be a one or two semester course.

HS Aide

Seniors with a 3.0 unweighted cumulative GPA may be a student aide for one or two semesters.