# COURSE DESCRIPTIONS

## ENGLISH

Honors English I is a course for highly motivated students who will follow the thematic study of literature, including poetry, drama, fiction, and nonfiction works. It offers opportunities for a variety of compositions with an emphasis on responding to literature and other types of writing. This course is skills driven and focuses on reading comprehension, application of literary elements, writing, grammar, and vocabulary. Through this course, students will develop and strengthen their skills as readers and writers, both independently and collaboratively.

CP English I is designed for college bound or technical college bound students. The course is a thematic study of literature and includes poetry, drama, fiction, and nonfiction works as well as opportunities for a variety of compositions with an emphasis on essay writing. This course is skills driven and focuses on reding comprehension, application of literary elements, writing, grammar, and vocabulary. Vocabulary is studied in the context of the literature read. Grammar is practiced in the context of student writings.

Honors English II is designed for highly motivated students who plan to attend traditional college or university. This course covers a variety of literature and genres with an emphasis on the use of specific literary techniques. Writing skills will be developed and exercised through journal entries, essay questions, and one major research assignment. Research assignments will require the use of outside sources and the proper use of MLA format and documentation. Students will also complete a writing workshop consisting of activities and mini lessons designed to enhance specific skills within the writing process.

CP English II is designed for college or technical college bound students. The course is a study of world literature ranging from ancient history to the contemporary period. This course includes poetry, drama, fiction, and nonfiction works as well as opportunities for a variety of compositions with an emphasis on argument. This course is skills driven and focuses on reading comprehension and application of literary elements. Writing, grammar, and vocabulary are studied and practiced within the context of literature read and student writings.

Honors English III is designed for highly motivated students who plan to attend traditional college or university. It is skills-driven and focuses on American literature from 1600 to the present. The course concentrates on developing student's ability to study and read literature critically and analytically through writers of American literature. Vocabulary is studied within the context of the readings, and grammar is reinforced through their writings. Students will practice critical analysis of literature with their writing.

CP English III is designed for college bound and technical college bound students. The course covers representative writings and significant trends in American literature from colonial times to the present. Students will learn how to recognize the influence of literature on American culture and vice versa. Vocabulary instruction includes literary terms and vocabulary words from

major works. Writing ski8lls will be developed and exercised through journal entries, essay questions, and one major research assignment. Research assignments will require the use of outside sources and the proper use of MLA format and documentation. Students will also complete a writing workshop designed to enhance specific skills within the writing process.

Honors English IV is designed for highly motivated students who plan to attend traditional college or university. This course allows students to further enhance their reading and writing skills through the study of British literature; this includes a variety of genres, such as fiction, nonfiction, short stories, poetry, and drama. Writing skills will be developed and exercised through journal entries, essay questions, and one major research assignment. Research papers must conform to MLA format and documentation. Students will also complete a writing workshop designed to enhance specific skills within the writing process.

CP English IV is designed for college bound and technical college bound students. The course explores the development of British literature through the study of fiction, nonfiction, short stories, poetry, and drama. Vocabulary instruction includes literary terms and vocabulary words from the major works. Writing skills will be developed and exercised through journal entries, essay questions, and one major research assignment. Research papers must conform to MLA format and documentation. Students will also complete a writing workshop consisting of activities and mini lessons designed to enhance specific shills within the writing process.

ELECTIVIES

Study Skills focuses on three main areas of learning. Concept Applications addresses critical and analytical thinking skills applied in a variety of readings and situations. Note-taking strategies provide students with a method of implementing research-based methods of taking notes from lecture as well as written material in class. The third area of learning is in Test-taking strategies. Students are taught how to systematically and strategically progress through a test, providing a methodology which allows them to approach a test with more control and confidence.

CP Current Events is an elective course that focuses on world and local issues that affect the student's everyday life, such as economics, government, and conflicts. Students use newspapers, online media, and newscasts to support class discussion.

Academic Lab is for students in grades six through twelve. Students participating in Academic Lab receive a grade as an elective credit. Enrollment is based on the needs and abilities of the students at the time of enrollment with no more than 4 students in each class and no more than 2 grade levels in any class. Students go to the Academic Lab classroom as part of their regular daily schedule when changing classes. This lab is a form of resource program focusing on study skills, test taking strategies, organizational skills, and time management skills, as well as academic support tailored to address the needs of each individual student.

Teacher Cadet 1 provides students with an objective look at education careers. Students will be given the opportunity to observe and to assist in a variety of education settings while being

introduced to the strategies and techniques used by master teachers. Students will also examine agencies and groups that influence decisions and governance in the educational system. In some cases, applicants may be required to meet with a screening panel. Taught like a college introduction to education courses, Teacher Cadet is a "hands-on" look at teaching and related fields. A serious interest in exploring education as a career is necessary.

Yearbook Production is designed for the student who wants to explore an in-depth experience in the production of a yearbook. The study of headline writing, photography, advertising, and design are emphasized. Students will work to produce the school yearbook.

Life Skills is an abbreviated economics course. It is designed for the college prep student who has taken an on-line version of economics. The course focuses primarily on personal finance. Students will complete two career research projects which include a Power Point presentation to the class.

## FINE ARTS

Art I is a project-based program which provides opportunities to learn and use a wide variety of techniques. Experiences include, but are not limited to drawing, painting, texture, value, and mixed media. Credit: 1 Unit

Movies, Plays, and Other Things is a fine art offering that exposes students to a variety of genres of performing arts. Students explore Broadway plays, modern novels, silent films, and Oscar winning films. The students also attend a live performance. Students present research on assigned theatre topics.

## FOREIGN LANGUAGE

Honors Spanish I is designed as an introduction to the Spanish language. Students will learn to communicate in social settings using vocabulary and grammar structures. Learning to listen, speak, read, and write is the focus of the class. Students will be evaluated in thematic unit activities and will complete assessments

CP Spanish I is designed as an introductory course that offers vocabulary and grammar for expressing basic needs and social communication. Students will develop listening, speaking, reading, and writing skills.

Honors Spanish II is an intermediate course designed for high school students who will be prepared for college level Spanish. Listening, speaking, reading, and writing skills will be expanded through a detailed study of present, past, and future tenses as well as command forms and object pronouns. A variety of activities through thematic units and performance will be assessed.

CP Spanish II is an intermediate course which offers students opportunities to continue developing listening, speaking, reading, and writing skills. Students will learn vocabulary and expanded grammatical concepts to help them handle more complex social situations.

Honors Spanish III is designed for students who have successfully completed Honors Spanish II and demonstrate the ability to learn more complex grammar and syntax necessary to converse on topics beyond the basic. It offers a more challenging approach to listening, reading, speaking, and writing. Students will continue to study cultural aspects of Spanish speaking areas of the world. Activities based on thematic units and performance will be assessed.

## HISTORY/SOCIAL STUDIES

Honors United States History is a course is designed to give highly motivated students a taste of all that is American history. In addition to studying a range of topics and issues from the Colonial Era to the late 20th Century, students will be practicing critical-thinking and analytical skills that will help them understand and evaluate the past and the present. With emphasis on political, cultural, and social issues, students will see the United States as a world leader dealing with the issues confronting the country today. The main goal is to make each student an educated citizen and instill a sense of patriotism for the United States of America.

CP United States History is an overview of the history of the United States with focus on the Colonial Era through the late 20$^{th}$ Century. Designed to give all levels of student learners practice in critical-thinking and analytical skills to help them understand and evaluate the past and the present, this course should serve as a foundation for building good citizens.

Honors World Geography will include the study of the physical landforms and the positions of places on the globe in relationship to the way that humans exist. Upon completion of this course, students will be informed people who see, understand, and appreciate the connections among people, places, and environments. Students will be able to identify in terms of location, distance, direction, pattern, shape, and arrangement the space occupied by humans on the Earth.

Students with a strong grasp of the concepts presented will be able to form opinions based on varying viewpoints to become better informed citizens of the world.

CP World Geography's focus is to make students more aware of the physical features of planet Earth as well as the locations of different cultures across the world. Emphasis will be placed on learning how the different cultures of the world have influenced our contemporary world.

CP United States Government course will acquaint students with the origins, concepts, organizations, and policies of the United States government and political system. The intention of this course is to present a clear and comprehensive coverage of American government.

CP Economics is a one semester course in fundamental economics. The course utilizes information from multiple sources and emphasizes basic personal finance as well. Subjects covered include US economic system, health of the economy, and the Effect of the global economy.

Honors World History will allow students to explore ancient civilizations to understand the geographic, political, economic, and social characteristics of people. Major emphasis will be placed on examining history from varying viewpoints to become global citizens. By developing their understanding of the past, students will better understand the present and determine their direction for the future.

CP World History will present history of the world from prehistoric times to the present. Students will gain an understanding of the historical process that has shaped our contemporary world.

## MATHEMATICS

Honors Algebra I is designed to prepare students for success in mathematics by providing a strong foundation in mathematical literacy and problem solving. Course concepts include quantities and expressions, function theory, linear functions/equations, polynomials, quadratic functions/equations, rational functions, radical functions, exponential functions, probability and inferential statistics. Instruction will focus on a balance between procedural and conceptual understanding to prepare students for subsequent math courses as well as modeling of mathematics in real-world situations that may arise in different disciplines.

CP Algebra 1 introduces students to variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. This course lays the foundation for mathematical literacy. The course topics include linear functions, linear inequalities, systems of linear equations and inequalities, exponential functions, quadratic functions/equations, radical functions, factoring techniques, polynomial arithmetic, rational expressions and exponential growth/decay applications.

Honors Algebra 2 is a fast-paced course that provides an in-depth study of algebraic functions with a strong emphasis on application and graphical analysis. Students must be able to work with and without calculator aids. The topics of this course include piece-wise functions, systems of linear equations and inequalities, the full spectrum of parent functions along with their equations and transformations (linear, absolute value, quadratic, polynomials, rational, radical, exponential, and logarithmic), complex numbers, conic sections, series and sequences, probability, and trigonometry.

CP Algebra 2 builds upon the topics from Algebra I and introduces new topics such as direct and inverse variation, higher degree polynomial functions, exponential and logarithmic functions, and inverse functions. Students also explore irrational and complex numbers, conic sections, sequences and series, permutations, combinations, and probability. Trigonometric functions, including their graphs and identities, are also introduced, starting with the unit circle. The use of a TI graphing calculator is essential for class activities and homework.

Honors Geometry is designed to advance analytical methods to prove geometric relationships. Students explore more complex geometric situations and deepen their understanding of geometric relationships, moving toward formal mathematical proofs. High School Geometry formalizes and extends students' geometric experiences from previous pre-algebra and algebra coursework Specifically, this course covers Euclidean geometry including definitions, postulates, and theorems. The content of geometry includes basic geometric figures, properties of triangles, properties of quadrilaterals and other polygons, properties of circles. Lines, and special segments intersecting circles, coordinate geometry, surface area and volume of three-dimensional objects are also covered as well as geometric constructions. Additional area of study includes congruence, parallel and perpendicular lines, similarity, right triangles, and an introduction to trigonometry. Various algebraic methods are incorporated throughout the year in the application of geometric concepts while modeling given situations.

CP Geometry formalizes and extends students' geometric experiences from previous pre-algebra and algebra coursework. Specifically, this course covers Euclidean geometry including definitions, postulates, and theorems. The content of geometry includes basic geometric figures, properties of triangles, properties of quadrilaterals and other polygons, properties of circles. Lines, and special segments intersecting circles, coordinate geometry, surface area and volume of three-dimensional objects are also covered as well as geometric constructions. Additional area of study includes congruence, parallel and perpendicular lines, similarity, right triangles, and an introduction to trigonometry. Students also learn
geometric constructions. Various algebraic methods are incorporated throughout the year in the application of geometric concepts while modeling given situations.

Honors Precalculus is considered a prerequisite for success in college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus curriculum. Content for this course includes an expanded study of polynomial and

rational functions, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course.

CP Pre-Calculus is designed for college preparatory students and others desiring a formal background in mathematics. It involves the study of many topics introduced in Algebra I and Algebra II but with more depth. It also involves topics such as linear functions, quadratic functions, methods and applications of factoring, exponential functions, radical and nth roots, analytical geometry, series and sequences, circular functions, trigonometry, complex numbers, functions and their graphs, and probability. The use of a TI graphing calculator is essential for class activities and homework.

MAT 120 PROBABILITY AND STATISTICS includes the following topics: introductory probability and statistics, organization of data, sample space concepts, random variables, counting problems, binomial and normal distributions, central limit theorem, confidence intervals, and test hypotheses for large and small samples, types I and II errors, linear regression, and correlation.

MAT 130 CALCULUS AND ITS APPLICATIONS includes the following topics: differentiation and integration of polynomials, rational, logarithmic, and exponential functions, and interpretation and application of these processes.

## PHYSICAL EDUCATION

CP Physical Education offers students opportunities to gain knowledge and skills needed to engage in physical activity now and for a lifetime. A physically active lifestyle is promoted in the belief that it will lead to personal enjoyment and a healthy lifestyle.

CP Health focuses on developing student knowledge and skills needed to make healthy decisions that allow them to stay active, safe, and informed. Students will learn components of a healthy lifestyle and learn strategies for making healthy choices.

## SCIENCE

Honors Physical Science is a highly quantitative, rigorous study of chemistry and physics designed to prepare students for college as well as for Honors Chemistry and Honors Physics 1. Topics include but are not limited to forces, motion, work, power, energy, light, sound, properties of matter, atomic structure, chemical bonding, chemical reactions, and states of matter. Small engineering challenges, technical writing, and problem-based learning will be utilized throughout the course, as will a variety of alternative assessment methods. Challenging laboratory

experiences will be integrated throughout each unit to introduce and reinforce concepts. A scientific calculator is required for this course. *Prerequisite: Honors Algebra 1*

CP Physical Science is a challenging study of chemistry and physics designed to prepare students for later success in science courses. Topics include but are not limited to forces, motion, work, power, energy, light, sound, properties of matter, atomic structure, chemical bonding, chemical reactions, and states of matter. Small engineering challenges, technical writing, and problem-based learning will be utilized throughout the course, as will a variety of alternative assessment methods. Laboratory experiences will be integrated throughout each unit to introduce and reinforce concepts. A scientific calculator is required for this course. *Prerequisite or Corequisite: Algebra 1*

Honors Chemistry is highly quantitative, rigorous study of matter designed to prepare students for later success in college science coursework. Topics include but are not limited to properties of matter, atomic structure, chemical bonding, chemical reactions, stoichiometry, states of matter, gas laws, and nuclear chemistry. Technical writing and quantitative techniques will be utilized throughout the course, as will a variety of alternative assessment methods. Challenging laboratory experiences will be integrated throughout each unit to introduce and reinforce concepts. A scientific calculator is required for this course. *Prerequisites: Biology 1, Honors Algebra 1*

CP Chemistry is a challenging, in-depth study of matter designed to prepare students for later success in science courses and science-related careers. Topics include but are not limited to properties of matter, atomic structure, chemical bonding, chemical reactions, stoichiometry, states of matter, gas laws, and nuclear chemistry. Technical writing and quantitative techniques will be utilized throughout the course, as will a variety of alternative assessment methods. Laboratory experiences will be integrated throughout each unit to introduce and reinforce concepts. A scientific calculator is required for this course. *Prerequisites: Biology 1, Algebra 1*

Honors Human Anatomy and Physiology explores the systems comprising the human body by emphasizing physiological mechanisms and gaining a thorough understanding of the parts that comprise these mechanisms. Emphasis is placed on the interrelatedness of such systems as the skeletal, muscular, nervous, and circulatory. This course is recommended for seniors who are pursuing a career in a health science field. This course has a substantial laboratory component, including a fetal pig dissection. Extensive knowledge of biology and chemistry is needed to be successful in this course.

CP Inquiry-Based Integrated Science is a capstone laboratory science course for seniors who want to experience in-depth applied investigations in physics, chemistry, biology, and earth science. As with most real-world problems, many investigations will span more than one subject area. Engineering challenges, technical writing, and problem-based learning will be utilized

throughout the course, as will a variety of alternative assessment methods. *Prerequisites: Biology 1, Chemistry 1*

Honors Biology is designed for students with exceptional abilities and high achievement levels. This course involves lecture-discussion, presentations, and laboratory activities. The course includes interrelationships of living organisms, levels of biological organization, human biology, social implications, biochemistry, evolution, ecology, and genetics. Extensive laboratory work and problem solving are essential components for being successful in this course.

CP Biology is a general science course designed to examine the aspects of the living world. Students will explore a wide range of topics to include biochemistry, cell biology, genetics, ecology, and evolution. Lab time will consist of inquiry labs and activities. In this course, students will be challenged to develop scientific thinking, reading, and writing skills throughout the year.

STEM Lab is offered to foster a learning environment in which students are guided to produce original ideas, objects, and structures according to certain specifications using concepts and skills from math, science, and technology. This is not to be considered as an add-on science, technology, or math class. Students will focus on thinking outside of the box and creating ideas from limited resources. The class will also focus on science literacy through the teaching of technical reading and writing. This course is designed to be a semester long class.

Honors Physics I is a two-semester course in algebra-based physics. The sequence covers the study of mechanics involving motion (velocity and acceleration), forces and the use of vectors, including basic trigonometry. The course also includes centripetal acceleration and periodic motion as it relates to motion in two dimensions. The study of work and energy is also explored. The course will consist of problem analysis and solutions, labs and lab reports. Working the problems will help the student understand the principles covered and will prepare them for the quizzes and tests. Students cannot get what they should out of physics unless the learn to analyze and think and work the problems themselves.

Honors Physics II is a two-semester course in algebra-based physics. The sequence covers the study of mechanics (motion, conservation principles, gravitation, fluids, and solids), thermodynamics, wave motion and sound. The course will consist of problem analysis and solutions, labs, and lab reports. Working the problems helps students understand the principles covered. Learning to analyze and think and applying those skills to all areas is the goal.

## TECHNOLOGY

Desktop Class- Microsoft Office Applications provides instruction in Microsoft Office applications. The applications covered include MS Word, MS Excel, MS PowerPoint, MS Publisher (optional) and MS Access (optional). Students will learn the features and benefits of the application

program and apply their knowledge in various problem-based activities. In addition, students are engaged in applying key critical thinking skills and the practice of ethical and appropriate behavior for the responsible use of technology.

The IT Fundamentals course is designed to prepare the student to take the CompTIA IT Fundamentals certification exam. Instruction includes IT literacy, environmental and safety concepts, operating systems, software, hardware, networking, alternative technologies, security, and computational thinking. Students utilize the skills and qualities of the S.C. Profile of the Graduate to analyze and solve problems within the IT industry.

Computer Science blends online and "unplugged" non-computer activities to teach students computational thinking, problem solving, programming concepts and digital citizenship. Students will learn about computing devices, the problem-solving process, algorithms, and basic coding.