GUHS Course Offerings

All Courses are state approved no local approved courses are offered at GUHS

Course Placement (CP, Honors, AP) is determined by - Test Scores - Course Grades - Teacher Recommendation

ENGLISH

English 1 CP **Units: 1**
302401CW
Grades: 9
English 1 CP is designed to prepare ninth grade students for College and Career readiness as required by the South Carolina State Standards and the End of Course exam. The curriculum exposes students to a variety of genres, both literary and informational.

English 1 Honors **Units: 1**
302401HW
Grades: 8-9
This course is for academically gifted students who have the ability to pursue an accelerated English program. These students may be preparing for Advanced Placement English (college level courses) in high school. Therefore, the coursework will reflect more rigor than English 1 CP.

English 2 CP **Units: 1**
302501CW
Grades: 10
This course incorporates the integrated study of vocabulary, grammar, analysis and composition skills through the study of multicultural short stories, poetry, fiction, nonfiction, and drama. Students will utilize textbooks, novels, work-books and parallel texts. The research process will be addressed through the literature component.

English 2 Honors **Units: 1**
302500HW
Grades: 9-10
English 2 Honors introduces students to a survey of World Literature, ancient to modern. They will be preparing for Advanced Placement English courses (college level). The coursework will reflect more rigor than English 2 CP.

English 3 CP **Units: 1**
302601CW
Grades: 11
English 3 introduces literary and informational texts reflecting a broad range of writing by American authors. The course is designed to prepare students for the rigor of the SC State Standards for College and Career Readiness.

English 3 Honors **Units: 1**
302600HW
Grades: 10-11
This course concentrates on the study of the historical context, literary movements, and writers' techniques of each major period in American literature. In addition to the text, the course requires

considerable supplemental reading, vocabulary development, independent research and composition, and expository and persuasive writing.

English 4 CP **Units: 1**
302701CW
Grades: 11-12
English 4 CP is a study of applied grammar through composition. Attention is given to good writing style with special emphasis on critical analysis. In addition, a survey of British literature is provided with emphasis on some of the major works. Parallel readings and extensive vocabulary studies are required. This course is designed for students interested in a four-year post-secondary education.

Advanced Composition Honors **Units: 1**
3030
Grades 11-12
Advanced Composition enhances student's proficiency in critical reading and thinking, rhetorical concepts/awareness, the writing process, academic argument, scholarly research, and productive revision practice**s.**

AP English Literature/Composition **Units: 1**
307000AW
Grades: 11-12
This course aligns to an introductory college-level literary analysis course. Students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

MATH

Foundations in Algebra **Units: 1**
411600CW
Grades: 9
This course is the first half of a two-year program that gives students an opportunity to learn Algebra 1 over two years and to begin examining concepts from Algebra 2 and Probability and Statistics. Students who complete the Foundations in Algebra/ Intermediate Algebra sequence will take the state-mandated Algebra 1 End-of-Course exam at the end of the second course, Intermediate Algebra. The sequence of courses, Foundations in Algebra and Intermediate Algebra, meets the state Algebra 1 standards and will be recognized by South Carolina colleges as Algebra 1 if followed by successful completion of Algebra 2.

Intermediate Algebra **Units: 1**
411700CW Grades:10
This is the second half of a two-year program that gives students an opportunity to learn Algebra 1 over two years and to begin examining concepts from Algebra 2 and Probability and Statistics. Students who complete the Foundations in Algebra/ Intermediate Algebra sequence will take the state-mandated Algebra 1 End-of-Course exam at the end of the second course, Intermediate Algebra. This sequence of courses meets the state Algebra 1 standards and will be recognized by South Carolina colleges as Algebra 1 if followed by successful completion of Algebra 2. PREREQUISITE: Foundations in Algebra

Algebra 1 CP **Units: 1**
411402CW
Grades: 9

Five critical areas comprise Algebra I: Relations and Functions; Linear Equations and Inequalities; Quadratic and Nonlinear Equations; Systems of Equations and Inequalities; and Polynomial Expressions. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

Algebra 1 Honors **Units: 1**
411400HW
Grades: 9
This Honors course is designed to provide students with in-depth instruction, an accelerated pace, and a cooperative learning environment. The course guides students in the development of critical thinking skills and algebraic problem solving skills which provide the foundation for real world problem-solving. It is for highly motivated students with prior algebra exposure.

Algebra 2 CP **Units: 1**
411502CW
Grades: 10-12
Algebra 2 extends the knowledge of all concepts studied in Algebra I and unifies them with those concepts studied in Geometry. Topics introduced are the set of complex numbers, and rational exponents. A graphing calculator (TI-83 Plus or TI-84) is strongly recommended. Students are encouraged to be enrolled or have taken Algebra 2 before taking the SAT.

Algebra 2 Honors **Units: 1**
411502HW
Grades: 9-11
Algebra 2 Honors builds on work with linear, quadratic, and exponential functions and allows students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Geometry CP **Units: 1**
412204CW
Grades: 10-11
Geometry CP concepts are introduced visually, inductively, and deductively by a variety of methods including (1) compass and straightedge constructions, (2) mental math, (3) computation with pencil and paper, (4) and computation with scientific calculators. Topics include inductive and deductive reasoning (proof), properties of polygons, constructions, transformations, area, volume, right triangles, similarity, and trigonometry. Students are required to have a scientific (TI-30x IIS) or graphing calculator (TI-83 Plus or TI-84) which is used daily.

Geometry Honors **Units: 1**
412200HW
Grades: 9-10
Geometry Honors course formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Six critical areas comprise the Geometry course: Congruence and Similarity; Measurement; Analytic Geometry; Circles; and Polyhedra. Students are required to have a scientific (TI-30x IIS) or graphing calculator (TI-83 Plus or TI-84) which is used daily.

Algebra 3 CP **Units: 1**
411305CW
Grades: 10-12
Algebra 3 focuses on the development of the student's ability to understand and apply the study of functions and advanced mathematics concepts to solve problems. The course will include a study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Emphasis is on active participation through modeling, technology lab activities, group activities, and communication in mathematics. This course is designed for students who have taken Algebra 2 but who need additional instruction before attempting Precalculus CP. It is a bridge between Algebra 2 and Precalculus CP, including some of the culminating topics of Algebra 2 and some of the introductory topics of Precalculus CP.

Precalculus Honors **Units: 1**
413100HW
Grades: 10-12
This course is designed to provide students with enhanced mathematical concepts and topics in the area of functions, sequences and series, conic sections, parametric representations, polar representations, and vectors.

Calculus Honors **Units:1**
4135
Grades 11-12
This course includes a thorough study of differentiation and integration with many applications. Limits and continuity are investigated in-depth. The course will emphasize the importance of mathematics studied to date. After completion of this course, the student may wish to take AP Calculus.

AP Calculus AB **Units: 1**
417005AW
Grades: 11-12
Building enduring mathematical knowledge requires understanding the why and how of math in addition to mastering the necessary procedures and skills. To foster this deeper level of learning, this course is designed to develop math knowledge conceptually, guiding you to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. PREREQUISITE: Precalculus Honors and Math teacher recommendation.

SCIENCE

Biology 1 CP **Units: 1**
322100CW
Grades: 9
Course includes lab work and extensive study of specimens. Course content encompasses interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. State required end-of-course exam will be the final test. The grade on the EOC will count 20% of your final grade.

Biology 1 Honors **Units: 1**
322100HW
Grades: 9
Honors-level course encompassing interrelationships of living things, levels of biological organization, human biology, social implications, biochemistry, and genetics. Extensive lab work and problem-solving are essential components. State required end-of-course exam will be the final test. The EOC will count 20% of the final grade.

AP Biology **Units: 1**
327205AW
Grades: 10-12
AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes—energy and communication, genetics, information transfer, ecology, and interactions.

Chemistry 1 Honors **Units: 1**
323100HW
Grades: 10-12
Honors-level course providing an introduction to chemistry principles. As a math-based course, a working knowledge of algebra is critical for success. Students will master concepts, use problem solving skills, and apply them to real-world situations. Topics include: chemical safety, atomic theory, the periodic system, chemical reactions, stoichiometry, gas laws, solutions, solubility, and acid base chemistry. Prepares you for AP Chemistry.

Chemistry 2 Honors **Units: 1**
3232
Grades 10-12
Chemistry 2H will introduce and familiarize students with the topics normally encountered in 100-level chemistry courses in college. Topics to be covered include a review of stoichiometry, states of matter, gas laws, acids and bases, thermochemistry, and reaction kinetics. Lab experiences will concentrate on propers methods of data collection, analysis,and reporting.

AP Chemistry **Units: 1**
3273
Grades: 10-12
This course provides students with a college-level foundation to support future advanced coursework in chemistry. Students further their understanding of chemistry through inquiry based investigations, as they explore atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The course is designed to be the equivalent of the general chemistry course usually taken during the first college year. It is strongly recommended that students complete Algebra 2 prior to enrolling in this course.

Astronomy **Units: 1**
325100CW
Grades: 10-12
This lab course introduces you to the composition and structure of the universe. Astronomy is the scientific study of the contents of the entire Universe. This course will provide you with a study of the

universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

Earth Science CP **Units: 1**
326500CW
Grades: 10-12
This rigorous lab course is for students interested in studying the forces that are changing the earth. These forces include the study of the effects of plate tectonics (such as earthquakes and volcanoes), erosion, and atmospheric forces. Students will also study the planets, star structure and evolution, constellations, and space flight.

Environmental Science CP **Units: 1**
326100CW
Grades: 10-12
Supports the mission of GREEN Charter and allows students to explore renewable and nonrenewable resources along with providing students with the scientific principles to understand the interrelationships of the natural world, identify and analyze environmental problems, and examine alternative solutions for resolving and/or preventing them. Course includes environmental economics and policy, human population growth, Earth's systems and resources, energy, ecology, and environmental health. Students will conduct field studies, research, labs, and projects.

Forensic Science CP **Units: 1**
324500CW
Grades: 10-12
Forensic science is a course rich in exploration and lab investigation which applies many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes.

Physical Science CP **Units: 1**
3211
Grades 9-12
This course is designed to introduce the basic scientific concepts of chemistry and physics needed for further study in the sciences. The course will challenge students to use higher level thinking skills and problem solving through laboratory investigations and data analysis. Chemistry topics include composition of matter and how elements behave and combine to form new substances. Physics topics include laws of motion, work and machines, and energy. ***This course is not considered a lab science

SOCIAL STUDIES

Current Events & Foreign Policy **Units: 1**
333701CW
Grades: 9-12
This course provides basic background and foundational information to help students understand the world we live in today. It will examine social, political, economic, religious, and cultural events in different countries and regions to better comprehend multiple perspectives on the world today. There will be a major focus on studying current events (their origins and causes) and identifying solutions and predicting outcomes to those events.

Law Education **Units: 1**
333600CW
Grades: 9-12
This general law course has emphasis on application and understanding of basic criminal and civil law

including juvenile justice and individual rights. Active participation in group activities, discussions, and **mock trials** required.

World Geography CP **Units: 1**
331000CW
Grades: 9-12
Geography is the study of where people, places, and things are located and of the ways they relate to each other. It allows people to find answers to questions about the world. You will explore and discover the processes that shape the earth, the relationships between people and environments, and the links between people and places. Geography will help build global perspective and help understand connections between global and local events.

AP Human Geography **Units: 1**
337900AW
Grades: 9-12
Prepares you to Interpret maps, analyze geospatial data, Understand and explain implications of associations and networks among phenomena in places, Recognize and interpret relationships in patterns and processes at different scales of analysis, Define regions and evaluate regionalization process, and Characterize and analyze changing interconnections among places. Required AP Exam at the end of the course will determine college credit.

Economics CP **Units: 0.5**
335000CH
Grades: 9-12
Standards-based study of the overall economy, including both macroeconomics and microeconomics, with an emphasis on using, refining, applying and enhancing social studies skills and concepts to the content under study. These skills and concepts include the Social Studies Literacy Elements and the Knowledge and Cognitive Process Dimensions of the Revised Bloom's Taxonomy. Students will focus on topics such as money and banking, competition, supply and demand, factors of production, consumer rights and responsibilities, and personal financial literacy. Economics is required for graduation.

US Government CP **Units: 0.5** **333000CH**
Grades: 9-12
US Government CP incorporates the structure, organization and function of the American political system. Topics studied include: foundations of the US government, three major branches of government and the Constitution. Students will study the details of the political system at the national state and local levels. Comparisons will be made between the American government and other political systems, and students will apply higher order thinking skills as they consider content throughout the course. The US Government course is required for graduation.

US Government Honors **Units: 0.5**
3330
Grades 9-12
This level of Government is a comprehensive introduction to political concepts and provides students with knowledge and skills they need to understand and participate wisely in the American political system. This course examines basic political theory and governmental systems, American political development theory, constitutional basis/structure of American government, and citizen involvement in the political system. Additional outside reading is required as well as watching and discussing current political events. This course is designed to prepare students for AP-level courses in history and social sciences.

US History CP **Units: 1**
332009CW
Grades: 9-12
Provides a general survey of the major political, diplomatic, economic, and social developments in the United States since the settlement of North America. Current events in domestic and foreign policy are developed within the context of the American experience.Students are required to take the state End-of-Course exam that counts 20 percent of the final grade.

US History Honors **Units: 1**
3320
Grades 9-12
This level of US History is an in-depth study of the impact and implications of decisions made throughout the history of our country. Although this is a survey course, a rigorous program of reading, research, and writing of historical topics will be required. This course concludes with a state-mandated end-of-course test that counts 20% of a student's final grade.This course is designed to prepare students for AP-level courses in history and social sciences.

AP US History **Units: 1**
337200AW
Grades: 10-12
An examination of political, social, economic, cultural, and foreign policy trends in America's development is emphasized. Students will examine historical events and trends through the use of documents, essay writing, and special projects. Students are required to take both the AP exam which may render college credit and the SC Department of Education's End-of-Course exam which will count as 20 percent of the student's final grade.

Modern World History Honors **Units: 1**
3306
Grades 10-12
This course is an in-depth study of the history of the world, beginning with the Ancient River Civilizations and ending with the Medieval Period. Students will understand the contributions of the early civilizations to the modern world. This course of study will include the social, political, geographical, and economical changes of Africa, Asia, Europe, and the Americas. This level course involves in depth research and ancillary readings and is designed to prepare students for AP-level courses in history and social sciences.

AP World History **Units: 1**
3377
Grades 10-12
Study of cultural, economic, political, and social developments that shaped the world from c.1200 CE to the present. You'll analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

AP European History **Units: 1**

337605AW
Grades: 10-12
The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. The students will examine the interpretation of historical events and trends, through the use of documents, essay writing, and special projects. Students are expected to understand the themes of European history, to develop historical thinking skills and be able to express this understanding in writing. Success on the AP exam may render college credit.

WORLD LANGUAGES

German 1 **Units: 1**
362102CW
Grades: 9-12
Throughout the course, students learn to express themselves using an ever-increasing vocabulary, present tense verbs, articles and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course to help the learner understand the German-speaking world and their culture, people, geographical locations and histories.

German 2 **Units: 1**
362210CW
Grades: 9-12
This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. PREREQUISITES: Successful completion of German 1

German 3 **Units: 1**
362300CW
Grades: 10-12
Students continue to develop their proficiency in speaking, listening, writing, and reading by interacting with other speakers of German. Students will understand oral and written messages in the target language and will make level-appropriate oral and written presentations and communicate on a variety of topics using complex structures, moving from concrete to more abstract concepts. They will comprehend the main ideas of authentic materials that they read and hear, and are able to identify significant details when topics are familiar. Prerequisite: German 2

Spanish 1 **Units: 1**
365100CW
Grades: 9-12
This course prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present information, concepts and ideas both within the classroom and beyond on a variety of topics.

Spanish 2 **Units: 1**
:365202CW
Grades: 9-12
This course prepares students to: perform interpersonal, interpretive and presentational communicative

tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

Spanish 3 Honors **Units: 1**
365302HW
Grades: 9-12
Spanish 3 is an Honors level course designed to build on and reinforce Spanish 1 and 2. All communicative skills will be emphasized: Interpersonal, Interpretive and Presentational. Students will continue to be engaged daily in a variety of activities that promote critical thinking and will strengthen their ability to read, write, and speak Spanish. Throughout the language-learning process, students will also continue to improve their understanding of and appreciation for other cultures.

Spanish 4 Honors **Units: 1**
3654
Grades 9-12
Spanish 4 is an Honors level course that encompasses the fourth level of studies in the Spanish language. The course expands the students' knowledge of the Spanish language through the five Ohio Foreign Language Standards: Communication, Cultures, Connections, Comparisons and Communities.

AP Spanish Language **Units: 1**
367500AW
Grades: 10-12
AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

ELECTIVES

NON-CTE

SAT Preparation Verbal **Units: 1**
401102CH
Grades: 10-11
Prepares students for the verbal portion of the SAT and other standardized tests. This course does not count as an English unit toward graduation.

SAT Preparation Math **Units: 1**
415012CH
Grades: 10-11
Prepares students for the math portion of the SAT. Prepares students to be tested on advanced topics from number and operations, algebra and functions, geometry and measurement, and data analysis and probability.

Art 1 **Units: 1**
350101CW
Grades: 9-12

This introductory course provides experiences in two-dimensional media, stressing design elements (line, shape, form, value, color, space, and texture), and design principles, (proportion, emphasis, harmony/unity, balance, rhythm/movement, contrast repetition/ pattern, and variety). Emphasis is on the development of basic skills.

Art 2 **Units: 1**
350201CW
Grades: 9-12
This course provides students with two and three-dimensional design experiences and opportunities to apply these principles in individual artistic expressions. Drawing from observation and developing technical competency are emphasized. Periodic class critiques and the maintenance of a sketchbook and portfolio are required. Topics covered include but are not limited to portraiture, graphics, advertising, and display techniques.

Art - Ceramics I **Units: 1**
456100CW
Grades: 9-12
In this beginning course, students use clay to make pottery. The pottery may be functional (can be used for food, drink or a useful purpose) or nonfunctional (no specific use is intended). It could be sculpture or just something used for decoration. Each project challenges students to use creative thinking and problem-solving skills.

Art - Ceramics II **Units: 1**
456200CW
Grades: 10-12
This course emphasizes techniques in wheel throwing and handbuilding. Students will spend some time exploring the handbuilding techniques of pinch, coil, slab, and press-molding with emphasis on imagery and design. Some time will be devoted to the potter's wheel as a forming tool. Forms are approached from simple to complex and small to large. Students learn to mix clay and glaze, load,and fire kilns.

AP 2-D Art and Design **Units: 1**
357417AW
Grades: 10-12
Develop your skills in a two-dimensional medium such as graphic design, photography, collage, printmaking, and others as you learn the principles of 2-D design. You'll create artwork that reflects your own ideas and skills and what you've learned. Prerequisite: Students should have passed ART I with at least a high B OR can submit a portfolio of 3 artworks to be critiqued for artistic abilities.

Jewelry Making **Units: 1**
4558
Grades: 9-12
Want to make your own jewelry or gifts for others? This course introduces jewelry making as a historical and contemporary art form. It combines aesthetics, art criticism, and art history with studio production. Students study and learn a variety of processes and techniques to design and create jewelry.
Various tools and materials, including beads, slumped glass, cast pewter, and metal options like copper, brass, and nickel are introduced

Theatre 1,2,3,4 **Units: 1**
452103CW
Grades: 9-12

Students will develop basic skills and techniques of set design, acting, and directing and will participate in all aspects of a production. Students may be required to attend practices and performances as assigned by the teacher/director.

Yearbook Production **Units: 1** **Code: 3769**
Grades: 9-12
Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production.

Physical Education 1 **Units: 1**
344100CW
Physical Education 2 **Units: 1**
3442
Physical Education 3 **Units: 1**
3443
Physical Education 4 **Units: 1**
3444
Grades: 9-12
This course provides students with the knowledge, skills, fitness and attitudes necessary to lead a healthy lifestyle and develop problem solving skills in order to attain personal goals. Units of study include traditional sports such as soccer, basketball, and volleyball, but other units are also explored.

PE 1 – Yoga **Units: 1**
344101CW
Grades: 9-12
Enjoy the benefits yoga and core training can provide by participation in this class. Areas of focus will be on low impact activities to improve overall flexibility, strength, core and cardiovascular endurance. Reduction of stress and increased ability to focus is an added benefit that typically coincides with yoga practice.

AGRICULTURE, FOOD, and NATURAL RESOURCES

Soil & Water Conservation **Units: 1**
5627
Grades: 9-12
The Soil and Water Conservation course is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of soil and water resources for economic and recreational purposes.

Environmental & Natural Resources Management **Units: 1**
5628
Grades: 9-12
An introductory course for the Environmental and Natural Resources Career Pathway. It is a combination of subject matter and planned learning experiences on the principles involved in the conservation and/or improvement of natural resources such as air, soil, water, land, forest, and wildlife for economic and recreational purposes.

Introduction to Horticulture **Units: 1**
5650
Grades: 9-12
Instruction emphasizes knowledge and understanding of the importance of establishing, maintaining, and managing ornamental horticulture (grasses, plants, flowers).

Golf Course Technology **Units: 1**
5667
Grades: 10-12
Golf Course Technology is designed to qualify the students completing the program for job entry into golf course and turf fields, as well as to continue advanced training post high school.

ARCHITECTURE and CONSTRUCTION

Introduction to Construction **Units: 1**
6001
Grades: 9-12
In the Introduction to Construction course, students achieve basic skills needed to continue their education in any Construction craft area. Students learn basic construction site safety, construction math, construction drawings/blueprints, and are introduced to hand tools and power tools, as well as materials handling.

Building Construction 1 **Units: 1**
6060
Grades: 9-12
This course offers students practical training in the entire range of residential building techniques through hands-on activities. Students will be introduced the proper techniques to utilize household tools.

ART, AUDIO-VIDEO TECHNOLOGY, and COMMUNICATIONS

Fashion Design and Apparel Construction 1 **Units: 1**
5710
Grades: 9-12
Ready to create your own look? Tired of having clothes that don't fit? Make a skirt or vest out of your dad's old neckties. Open the world of fashion from your own closet. Fashion Design and Apparel Construction 1 focuses on the study of the fashion and garment industry with emphasis on the basics of design and construction.

BUSINESS MANAGEMENT and ADMINISTRATION

International (Global) Business **Units: 1**
5032
Grades: 9-12
Global Business provides a basic understanding of global business operations to prepare students for an increasingly global future. Students gain an understanding of global trade, international and political culture, legal issues, finance, distribution, and marketing.

Fundamentals of Business, Marketing and Finance **Units: 1**
509002CW
Grades: 9-12

This course is designed to encourage students to pursue successful careers as an entrepreneur in business, marketing, and finance. Students will gain a basic understanding of business concepts including international business, consumer rights, business and operations management, financial planning, and marketing communications.

EDUCATION AND TRAINING

Introduction to Teaching 1 **Units: 1**
570300CW
Grades: 9-12
This course provides an introduction to teaching as a profession in the American education system. This course will cover such topics as educational requirements, lesson development, teaching strategies, perspectives on education including historical, philosophical, social, legal, and ethical issues in a diverse society. PREREQUISITE: None

Child Development 1 **Units: 1**
5800
Grades: 9-12
Child Development 1 focuses on the physical, social, emotional, and cognitive growth and development of children. Emphasis is placed on helping students acquire knowledge and skills essential to the care and guidance of children.

FINANCE

Accounting 1 **Units: 1**
5001
Grades: 9-12
Accounting 1 is designed to help the student develop an understanding of the concepts, principles, and practices necessary in the preparation and maintenance of financial records concerned with business management and operations. Students are exposed to the accounting cycle, cash control systems, payroll, and careers in accounting.

Banking Services **Units: 1**
5271
Grades: 9-12
Banking Services is designed to offer a unique approach to understanding the banking services. It provides an introduction to banking services and functions, history and purpose of banking, money and interest, deposits in banking, negotiable instruments, bank loans, mortgages, specialized bank services, promoting the bank, security and ethics, and careers in banking.

Securities and Investments **Units: 1**
5277
Grades: 10-12
Securities and Investments prepares students to make intelligent investment decisions based on their personal financial needs. Topics include the analysis of stocks, dividends, hedge funds, venture capital, bonds, mutual funds, real estate, precious metals, gems, collectibles, and futures/options markets.

HEALTH SCIENCE

Health Science 1 – Foundations of Healthcare Professions **Units: 1**
5550
Grades: 9-12
Health Science is an introductory course designed to provide students with an overview of the healthcare

careers and foundational skills to begin their journey towards the future as a healthcare professional. Upon completion of this course proficient students will be able to identify careers in these fields, compare and contrast the features of healthcare systems and begin to provide foundational health care skills

Sports Medicine 1 **Units: 1**
5555
Grades: 10-12
Sports Medicine 1 emphasizes sports medicine career exploration and the prevention of athletic injuries, including the components of exercise science, kinesiology, anatomy, principles of safety, first aid, Cardiopulmonary Resuscitation (CPR), and Automatic External Defibrillator (AED) use

PLTW Principles of Biomedical Sciences **Units: 1**
5580
Grades: 10-12
In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

HUMAN SERVICES / FAMILY AND CONSUMER SCIENCES

Fashion, Fabric, and Design 1 **Units: 1**
5804
Grades: 9-12
Did you know that you can make clothing out of everyday items such as gum wrappers, tires, bamboo, and aluminum foil? Learn how textiles are woven into the fabric of life. Enroll in Fashion, Fabric, and Design 1 to develop skills in the selection, purchase, design, care, and construction of textile products

Family and Consumer Sciences 1 **Units: 1**
5808
Grades: 9-12
Family and Consumer Sciences 1 is a comprehensive course designed to provide students with the core knowledge and skills needed to manage their lives. Project based instruction provides students with opportunities to utilize higher order thinking, communication, and leadership skills impacting families and communities.

Financial Fitness **Units: 1**
5812
Grades:
Want to get more for your money? Want to learn to spend your money wisely? If so, this is the course you should take. Financial Fitness 1 is designed to help students develop financial management skills by evaluating marketplace alternatives, creating a personal budget, understanding consumer rights and responsibilities, understanding the impact of career choices on personal goals and making informed consumer decisions.

Family Life Education **Units: 1**
5820

Grades: 9-12
Your body is not the only thing that needs to be healthy! What about your relationships? Learn how to make better choices by enrolling in Family Life Education 1. Family Life Education 1 helps students understand and learn to apply various concepts to gain and maintain healthy relationships throughout their lives

Housing and Interiors 1 **Units: 1**
5830
Grades: 9-12
“Home is where the heart is,” and the house shelters that home. Enroll in this course to begin preparations for your future dream home. Housing and Interiors 1 provides opportunities for students to evaluate the housing market; housing needs for individuals, families, and communities; and career pathways in the housing and interiors industries.

INFORMATION TECHNOLOGY

(all courses in this category will satisfy the Computer Science requirement for high school graduation)

Fundamentals of Web Page Design and Development **Units: 1**
503101CW
Grades: 9-12
This course will guide students in the development of websites in a project-based, problem-solving environment. Students will learn the industry standard languages, HTML and CSS, which are used in every website on the web. Students will learn how to create a portfolio of content-rich, well-styled websites.

Networking Fundamentals **Units: 1**
5310
Advanced Networking **Units: 1**
5311
Grades 9-12
Students in the Networking program will perform networking tasks commonly performed by systems administrators, network administrators, network engineers and related careers. Students manage hardware and software network components including IP configuration, setting up wireless and wired networks, managing networks, basic network security, software updates, hardware upgrades and network protocols.The Advanced Networking focuses on teaching advanced networking principles that include design, setup, operations, and maintenance networks for an organization. There may be a special emphasis on network security, directory services, and network infrastructure

Server Administration **Units: 1**
5312
Advanced Server Administration **Units: 1**
5313

Grades: 9-12
In Server Administration, students learn the concepts and practices of server administration, including server architecture, server management and maintenance, software installation and configuration, troubleshooting, storage management, networking configuration and management, security and disaster recovery, virtualization and shell scripting. The Advanced course takes the same concepts and practices a step further. Students will learn about configuring and maintaining networks in home and corporate environments. Upon completion of the two courses, students will be prepared to earn nationally-recognized industry certifications.

MARKETING

Sports and Entertainment Marketing **Units: 1**
5425
Grades 9-12
Whether you are watching a famous athlete make an unbelievable play or witnessing a sensational singing performance, the world of sports and entertainment is never boring. Although it may seem impossible for you to be a part of this glittery world, it's not! The Sports and Entertainment Marketing field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamor. Explore basic marketing principles while delving deeper into the multibillion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful. This course will show you exactly how things work behind the scenes of a major entertainment event and how you can be part of the act.

SCIENCE, TECHNOLOGY, ENGINEERING and MATHEMATICS

PLTW Principles of Engineering **Units: 1**
605001CW
Grades: 10-12
Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

PLTW Aerospace Engineering **Units: 1**
605602CW
Grades: 10-12
This course propels students' learning in the fundamentals of atmospheric and space flight. As they

explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

PLTW Cybersecurity **Units: 1**
637801CW
Grades: 10-12
Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyberworld. Prerequisite: Network Fundamentals/Adv Networking or Computer Science Recommendation