

Clay-Chalkville High School

Dear Clay- Chalkville High School Parents and Students:

We are excited to continue to have you as a member of our CCHS learning community for the upcoming 2019-2020 school year!

Clay-Chalkville High School operates under a modified block schedule, offering each student 9 classes. Each semester, students will have 4 classes that meet every day and conclude at the end of the term. Every student will have one additional class that lasts the entire school year and meets every day.

Selecting a sound academic program for one's high school career is becoming increasingly complicated. Clay-Chalkville High School offers a modern, comprehensive curriculum designed to prepare each student for his current needs, higher education, or entry into the world of work. We cannot stress strongly enough the need for careful and intelligent planning with the student, his parents, and his counselor, if sound programs are to be well adapted to individual requirements.

As you examine the course selections, consider short-term and long-term goals. Be aware that we have a variety of electives from which you may choose; on the other hand, we also have a number of requirements for graduation which must be kept in mind at all stages of planning. Our counselors are available to answer questions about any of the courses that are listed on the course selection sheet and the requirements for each diploma type. Students and/or their parents are invited to make an appointment with our counselors as needed.

Please keep in mind that once you have placed a choice on your course selection sheet, it becomes a possibility that you will be scheduled in that course.
We will not change schedules if you have requested a course on your selection sheet.

Classes are scheduled by these selection sheets, so it crucial that you be very careful when making your selections.

Please be guided in your choice of programs by today's job and college admission requirements. If you have a question, please call the school to determine accurate information. We will be more than pleased to assist you by answering any questions which may arise or clarify situations about which you may have doubt.

Above all, plan a program which challenges you to appropriately set realistic goals and enables you to take advantage of the diversified offerings available here. Always plan course selections with alternatives in mind, since that is the only flexible way to assure a sound education in today's constantly changing environment.

As always, the faculty and staff is ready to help you in any way we can. Please do not hesitate to call.

Michael Lee

Principal

ENGLISH LANGUAGE ARTS

+0.5 point is added to the GPA for Advanced Level courses

+1.0 point is added to the GPA for AP courses in which student sits for the AP exam & earn an A, B, or C in the course.

English, Grade 9

FEE: None

Course Code: 200005

Pre-requisites: English Language Arts, Grade 8

Reading literature, reading informational text, writing, speaking and listening, and language. NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. This course is appropriate for students interested in a wide range of postsecondary options.

English, Grade 9, Advanced Level

FEE: None

Course Code: 200007

Pre-requisites: English Language Arts, Grade 8

Advanced work in reading literature, reading informational text, writing, speaking and listening, and language. NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

English, Grade 10

FEE: None

Course Code: 200009

Pre-requisites: English Language Arts, Grade 9

Reading literature, reading informational text, writing, speaking and listening, and language. NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. This course is appropriate for students interested in a wide range of postsecondary options.

English, Grade 10, Advanced Level

FEE: None

Course Code: 200011

Pre-requisites: English Language Arts, Grade 9

Advanced work in reading literature, reading informational text, writing, speaking and listening, and language. NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

English, Grade 11

FEE: None

Course Code: 200013

Pre-requisites: English Language Arts, Grade 10

Reading literature, reading informational text, writing, speaking and listening, and language. NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. This course is appropriate for students interested in a wide range of postsecondary options.

English, Language and Composition, AP

FEE: \$20.00 + AP Exam FEE

Course Code: 200016

Pre-requisites: English Language Arts, Grade 10

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in becoming skilled writers who compose for a variety of purposes; guides students in becoming skilled readers of prose written in a variety of rhetorical contexts; extensive writing of compositions. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

English, Grade 12**FEE: None****Course Code: 200017**

Pre-requisites: English Language Arts, Grade 11

Reading literature, reading informational text, writing, speaking and listening, and language. NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. This course is appropriate for students interested in a wide range of postsecondary options.

English, Literature and Composition, AP**FEE: \$20.00 + AP Exam FEE****Course Code: 200020**

Pre-requisites: English Language Arts, Grade 11

NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in the careful reading and critical analysis of imaginative literature from several genres and periods from the sixteenth to the twenty-first century; extensive writing of compositions. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

English Language Arts Electives

Literature, Mythology and Fable**FEE: None****Course Code: 200026**

Pre-requisites: None

Study of Greece and Rome; Egypt and Mesopotamia; China, Japan, and India; mythologies and fables. NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. This course is appropriate for students interested in a wide range of postsecondary options.

Speech**FEE: \$25.00****Course Code: 200043**

Pre-requisites: None

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION. Oral reading; children's literature; delivering, selecting, organizing speeches; persuasion; poise and verbal skills.

MATHEMATICS

+0.5 point is added to the GPA for Advanced Level courses

+1.0 point is added to the GPA for AP courses in which student sits for the AP exam & earns an A, B, or C in the course.

Algebra I

FEE: None

Course Code: 210005

Pre-requisites: Successful completion of Mathematics, Grade 8

*NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. This course builds on foundational mathematics content learned by students in Grades K-8 by expanding mathematics understanding to provide students with a strong mathematics education. **This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Algebra I content standards.** High school credit may be awarded if this course is taken in Grade 8, but students may waive the credit earned in Grade 8 and take Algebra I as the first high school math course in Grade 9. This course is appropriate for students interested in a wide range of postsecondary options.*

Geometry

FEE: None

Course Code: 210010

Pre-requisites: Successful completion of Algebra I or Algebra IA and Algebra IB

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. The Geometry course builds on Algebra I concepts and increases students' knowledge of shapes and their properties through geometry-based application, many of which are observable in aspects of everyday life. This course is appropriate for students interested in a wide range of postsecondary options.

Geometry, Advanced Level

FEE: None

Course Code: 210012

Pre-requisites: Successful completion of Algebra I or Algebra IA and Algebra IB

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Advanced study of geometric concepts contained in the Geometry course. The Geometry course builds on Algebra I concepts and increases students' knowledge of shapes and their properties through geometry-based application, many of which are observable in aspects of everyday life. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Algebraic Connections

FEE: None

Course Code: 210015

Pre-requisites: Successful completion of Algebra I or Algebra IA/IB and Geometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Algebraic Connections is a course designed for students who wish to increase their mathematical knowledge and skills prior to enrollment in the Algebra II course or the Algebra II with Trigonometry course. Algebraic Connections expands upon the concepts of Algebra I and Geometry, with an emphasis on applying functions to make predictions and to calculate outcomes. This course is appropriate for students interested in a wide range of postsecondary options.

Algebra II

FEE: None

Course Code: 210016

Pre-requisites: Successful completion of Algebra I or Algebra IA/IB and Geometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. This course does not provide sufficient background to prepare students to pursue higher-level mathematics courses if taken as a terminating course in mathematics. This course is appropriate for students interested in a wide range of postsecondary options.

Algebra II with Trigonometry

FEE: None

Course Code: 210017

Pre-requisites: Successful completion of Algebra I or Algebra IA/IB and Geometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Algebra II with Trigonometry, Advanced

FEE: None

Course Code: 210017aa

Pre-requisites: Successful completion of Algebra I/Algebra A/B and Geometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. This course is an advanced study of the concepts contained in the Algebra II with Trigonometry course. Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Discrete Mathematics

FEE: None

Course Code: 210018

Pre-requisites: Successful completion of Algebra I or Algebra IA/IB, Geometry, and Algebra II with Trigonometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. Discrete Mathematics expands upon the topics of matrices, combinational reasoning, counting techniques, algorithms, sequences, series, and their applications. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Precalculus

FEE: None

Course Code: 210020

Pre-requisites: Successful completion of Algebra I or Algebra IA/IB, Geometry, and Algebra II with Trigonometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. This course is considered to be a prerequisite for success in calculus. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Precalculus, Advanced

FEE: None

Course Code: 210020aa

Pre-requisites: Successful completion of Algebra I or Algebra IA/IB, Geometry, and Algebra II with Trigonometry

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION. This course is an advanced study of the concepts contained in the Precalculus course. This course is considered to be a prerequisite for success in calculus. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Calculus AB, AP

FEE: \$20 + AP Exam FEE

Course Code: 210025

Pre-requisites: Successful completion of Algebra I, Geometry, Algebra II with Trigonometry and Precalculus.

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. AP Calculus AB is structured around three big ideas: limit, derivatives, and integrals and the Fundamental Theorem of Calculus. The concept of limits is foundational; the understanding of this fundamental tool leads to the development of more advanced tools and concepts that prepared students to grasp the Fundamental Theorem of Calculus, a central idea of AP Calculus. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Statistics, AP

FEE: \$20 + AP Exam FEE

Course Code: 210027

Pre-requisites: Successful completion of Algebra I, Geometry, Algebra II with Trigonometry

The AP Statistics course is equivalent to a one semester, introductory, non-calculus based college course in statistics. The course introduced students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and

experimentation, anticipating patterns, and statistical inference. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

AP Computer Science Principles

FEE: \$25 + AP Exam Fee

Course Code: 520018

Pre-requisites: Successful completion of Algebra II with Trigonometry

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP)

*program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. **This course may be used as the fourth math credit or an elective.** Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.*

SCIENCE

+0.5 point is added to the GPA for Advanced Level courses

+1.0 point is added to the GPA for AP courses in which student sits for the AP exam & earns an A, B, or C in the course.

Biology

FEE: None

Course Code: 220011

Pre-requisites: None

Biology is a required, inquiry-based course focused on providing students with foundational life science content about the patterns, processes and interactions among living organisms. Students will look at content in the areas of structures and processes of the cell, ecosystems, heredity, and change over time of organisms. This course is appropriate for students interested in a wide range of postsecondary options.

Advanced Biology

FEE: \$25.00

Course Code: 220012

Pre-requisites: Successful completion of 8th Grade Science, preferably at the advanced level

This academically challenging course includes an in-depth study of the biological sciences. Topics include those in biology, but are taught with preparation for AP Biology in mind. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

AP Biology

FEE: \$25.00 + AP Exam FEE

Course Code: 220014

Pre-requisites: Successful completion of biology and chemistry, preferably at an advanced level

This college-level course includes an advanced study of the biochemical process of life and in-depth study of molecular biology, cell physiology, genomics, genetics, etc. Advanced laboratory experiments are an integral part of this course and may require additional time outside of the allotted class period to complete. Some independent research is recommended and may also be required. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education in a STEM field at the two-year or four-year level.

Physical Science

FEE: None

Course Code: 220051

Pre-requisites: Completion of biology, any level

***This course will satisfy the physical science requirement needed for graduation.** This is conceptual, inquiry-based course that provides students with an investigation of the basic concepts of chemistry and physics. Content standards covered in this course include matter and its interactions, forces and motion, energy and waves. This course is appropriate for students interested in a wide range of postsecondary options.*

Chemistry

FEE: \$25.00

Course Code: 220061

Pre-requisites: Completion of biology, any level

This course will satisfy the physical science requirement needed for graduation. This is mathematics-heavy course that applies mathematical concepts to chemical interactions. Content standards covered in this course include matter and its interactions, energy transformations, changes in matter, chemical reactions, stoichiometric calculations, etc. This course is appropriate for students interested in a wide range of postsecondary options.

Chemistry, Advanced

FEE: \$25.00

Course Code: 220063

Pre-requisites: Successful completion of biology, preferably at the advanced level

This academically challenging course is designed to prepare students for success in AP Chemistry. This course is an in-depth study of those topics in Chemistry and will also include introduction of equilibrium, redox reactions nuclear chemistry and electrochemistry, to name a few. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

AP Chemistry

FEE: \$25.00 + AP Exam FEE

Course Code: 220064

Pre-requisites: Successful completion of biology and chemistry, preferably at the advanced level. Students should also have successfully completed Algebra II and be concurrently enrolled in Precalculus.

This is a college-level course that includes advanced studies in chemical interactions. This course is designed for the academically talented student who is considering a degree in science, engineering or medicine. It involves complex material and stresses problem-solving. Advanced laboratory experiments are an integral part of this course and may require additional time outside of the allotted class period to complete. Some independent research is recommended and may also be required. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education in a STEM field at the two-year or four-year level.

Environmental Science

FEE: \$25.00

Course Code: 220029

Pre-requisites: Completion of biology and chemistry/physical science, any level

Environmental Science is a course that introduces students to a broad view of the biosphere and the physical parameters that affect it. This course is appropriate for students interested in a wide range of postsecondary options.

Human Anatomy and Physiology

FEE: \$25.00

Course Code: 220026

Pre-requisites: Completion of biology and chemistry/physical science

This course is designed to address the structure and function of human body systems from the cellular level to the organism level. This course is appropriate for students interested in a wide range of postsecondary options.

Advanced Human Anatomy and Physiology

FEE: \$25.00

Course Code: 220028

Pre-requisites: Completion of biology and chemistry/physical science, preferably at the advanced level

This course is for students who have an interest in pursuing a career in nursing, medicine or health related sciences. It is designed to address the structure and function of human body systems from the cellular level to the organism level This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

AP Physics 1

FEE: \$25.00 + AP Exam FEE

Course Code: 220057

Pre-requisites: Completion of biology and chemistry, preferably at the advanced level. Successful completion of Advanced Level Geometry and concurrently enrolled in Advanced Algebra II with Trig.

This course will satisfy the physical science requirement for graduation. This is an algebra-based, introductory college level physics course. Students will explore principles of Newtonian mechanics (including rotational motion); work, energy and power; mechanical waves and sound; and introductory, simple circuits. Advanced laboratory experiments are an integral part of this course and may require additional time outside of the allotted class period to complete. Some independent research is recommended and may also be required. Students who take

this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education in a STEM field at the two-year or four-year level.

Physics

Course Code: 220071

This course will satisfy the physical science requirement needed for graduation. Detailed exploration of properties of physical matter, physical quantities, motion and stability, energy, and waves and their applications for information transfer through authentic investigations and engineering design processes.

SOCIAL STUDIES

+0.5 point is added to the GPA for Advanced Level courses

+1.0 point is added to the GPA for AP courses in which student sits for the AP exam & earns an A, B, or C in the course.

World History: 1500 to Present

FEE: None

Course Code: 230013

Pre-requisites: None

Chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present. This course is appropriate for students interested in a wide range of postsecondary options.

World History: 1500 to Present Advanced Level

FEE: None

Course Code: 230015

Pre-requisites: None

Advanced work in chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

United States History I: Beginnings to the Industrial Revolution

FEE: None

Course Code: 230016

Pre-requisites: None

Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events. This course is appropriate for students interested in a wide range of postsecondary options.

AP US History I: Beginnings to the Industrial Revolution

FEE: \$20.00

Course Code: 230018aa

Pre-requisites: Successful completion of world history, preferably at the advanced level

This course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the early industrial movement. Students are expected, but not required, to take the AP US History II course. The AP Exam is taken at the end of the AP US History II course. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

United States History II: The Industrial Revolution to the Present

FEE: None

Course Code: 230019

Pre-requisites: None

Chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events

AP US History II

FEE: \$20.00 + AP

Exam FEE

Course Code: 230022

Pre-requisites: Successful completion of AP US History I

This course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1890 to the present. This course is not recommended for students who have not completed AP US History I. The AP Exam is taken at the end of the AP US History II course. Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

United States Government (.5 Credit)

FEE: None

Course Code: 230041

Pre-requisites: None

*Origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy. This course is appropriate for students interested in a wide range of postsecondary options. *Students must earn at least ½ credit in both US Government and Economics.*

Economics (.5 credit)

FEE: None

Course Code: 230051

Pre-requisites: None

*Basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank. This course is appropriate for students interested in a wide range of postsecondary options. *Students must earn at least ½ credit in both US Government and Economics.*

SOCIAL STUDIES ELECTIVES

+0.5 point is added to the GPA for Advanced Level courses

+1.0 point is added to the GPA for AP courses in which student sits for the AP exam & & earns an A, B, or C in the course.

Psychology

FEE: None

Course Code: 230071

Pre-requisites: None

*History of psychological inquiry; methods of scientific research; human development; sensation and perception; motivation and emotion; states of consciousness; social psychology, cognition; intelligence and assessment; personality theories; stress; mental disorders and treatments. **This course does not fulfill any of the four social studies credits required for graduation.** This course is appropriate for students interested in a wide range of postsecondary options.*

Psychology, AP

FEE: \$20.00 + AP Exam FEE

Course Code: 230072

Pre-requisites: Successful completion of biology and chemistry, preferably at the advanced level

*The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. **This course does not fulfill any of the four social studies credits required for graduation.** Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.*

Street Law

FEE: None

Course Code: 230032aa

Pre-requisites: Grades 10-12

*A course in practical law. It includes an overview of Criminal Law and Juvenile Justice, Torts, Consumer and Housing laws, Family, Law and Individual Rights and Liberties. **This course does not fulfill any of the four social studies credits required for graduation.** Textbook or ancillary materials are not provided for this course. This course is appropriate for students interested in a wide range of postsecondary options.*

AP European History

FEE: \$20.00 + AP

Exam FEE

Course Code: 230029

Pre-requisites: Successful completion of US History I and US History II, preferably at the advanced level

*The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. **This course does not fulfill any of the four social studies credits required for graduation.** Students who take this course are expected to take the AP Exam in May. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.*

PHYSICAL EDUCATION & HEALTH

Health (.5 credit)

FEE: None

Course Code: 250002

PREREQUISITE: None

*Develops skill for accessing personal health information. Students may earn this credit by taking Foundations of Health Science (Career Technical Education course). **This course is required to graduate.***

Lifelong Individualized Fitness Education (LIFE)

FEE: None

Course Code: 240002

PREREQUISITE: None

*NOTE: THIS IS THE ONLY COURSE THAT FULFILLS THE GRADUATION REQUIREMENT FOR PHYSICAL EDUCATION. Individualized fitness plan for lifetime fitness. **This course is required to graduate.***

Team Sports

FEE: None

Course Code: 240016

Prerequisite: LIFE PE

Basketball; Cricket; Field hockey; Flag football; Floor hockey; Lacrosse; Rugby; Soccer; Softball; Speedball; Team handball; Volleyball

FOREIGN LANGUAGE

Spanish I

FEE: \$20.00

Course Code: 270153

Pre-requisites: None

Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures.

Spanish II

FEE: \$20.00

Course Code: 270154

Pre-requisites: Spanish I

Listening and speaking skills including understanding and responding to directions, commands, and questions; reading with comprehension main ideas from simple texts; writing with comprehension short presentations; further understanding of Spanish-speaking cultures.

Spanish III

FEE: \$20.00

Pre-requisites: Spanish II

Listening and speaking skills including understanding and responding to factual and interpretive questions; paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating presentations; increased understanding of Spanish-speaking cultures.

Arts & Communication Academy Electives

ART

Visual Arts 1

FEE: \$40.00

Course Code: 286100

Prerequisite: None

Create; produce; elements and principals of design; two-and three- dimensional techniques and media; art history; art vocabulary; aesthetics; criticism; solution of art problems to communicate ideas; safety issues with handling and storage of materials

Visual Arts II

FEE: \$40.00

Course Code: 286200

Prerequisite: Visual Arts I and approval of the instructor

Create; visual relationships; problem solve using a variety of media and techniques; elements and principles of design; aesthetics; criticism; art history; art vocabulary; evaluation of artwork; interdisciplinary connections.

Visual Arts III

FEE: \$40.00

Course Code: 286300

Prerequisite: Visual Arts II and approval of the instructor

Create; problem solve; utilize variety of media and techniques; communicate concepts, emotions, intentions; elements and principles of design; technology; independent research; self-directed sketchbook; critical analysis; aesthetics; art history; interdisciplinary connections.

Studio Art Drawing, AP

FEE: \$40.00 + AP Exam FEE

Course Code: 280102

Prerequisite: Visual Arts II, approval of instructor; open to 11th and 12th graders

College-level advanced course approved by the College Board Advanced Placement (AP) Program for art; portfolio production; demonstrate mastery of drawing in concept, composition, and execution; develop a body of work investigating a visual idea in drawing; variety of concepts and approaches in drawing; documentation. Students who take this course are expected to complete the AP Exam portfolio according to the calendar set by the instructor. Students may be eligible for college credit with a qualifying score on the AP Exam. This course is encouraged for students interested in pursuing postsecondary education at the two-year or four-year level.

Crafts I

FEE: \$40.00

Course Code: 286101

This one credit course, novice level, it is the first of a sequential high school course focusing on craft arts. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how craft arts communicate ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a general foundation in functional art including the history of crafts, crafts of various cultures, studio practice in a variety of crafts media, safe studio practices, proper care and storage of supplies and equipment, aesthetics, criticism, and elements and principles of design.

BAND

Concert Band

FEE: \$50.00

Course Code: 283300

PREREQUISITE: subject to teacher approval

This is a one credit course, proficient level, designed for students to increase artistry through reinforced experiences in an instrumental music concert band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of concert band music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Symphonic Band

FEE: \$25.00

Course Code: 283202

PREREQUISITE: subject to teacher approval

This is a one credit course, intermediate level, is designed for students with at least one year of experience to experience instrumental music in a marching band setting. Students will continue to develop a characteristic tone and engage in the processes of creating, performing, and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form, and expression. Students will develop coordination skills associated with marching while playing instruments and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Percussion

FEE: \$50.00

Course Code: 283112

PREREQUISITE: subject to teacher approval

This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a setting of only percussion instruments. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of quality compositions and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

Jazz Band

FEE: \$25.00

Course Code: 283104

PREREQUISITE: Subject to teacher approval

This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts.

CHOIR

Vocal Level III

FEE: \$25.00

Course Code: 280055

PREREQUISITE: VOCAL LEVEL II OR APPROVAL OF THE INSTRUCTOR.

Sing varied repertoire; sight-sing four-part literature; improvise harmonies; perform; analyze, critique; melodic dictation; elements of music; key signatures; history; minor scales.

Vocal Level IV

FEE: \$25.00

Course Code: 280057

PREREQUISITE: VOCAL LEVEL III OR APPROVAL OF THE INSTRUCTOR.

Sing varied repertoire; sight-sing multipart literature; improvise vocally; perform; analyze, critique; circle of fifths; history; minor scales.

Vocal Ensemble**FEE: \$25.00****Course Code: 280059**

PREREQUISITE: APPROVAL OF THE INSTRUCTOR.

*Madrigal singers; concert chorale; a cappella choir; mixed chorus ensembles***THEATER****Theater Level 1****FEE: \$25.00****Course Code: 285100**

PREREQUISITE: None

*Produce; respond to productions; vocal, kinesthetic, emotional, analytical, and intellectual elements; dramatic structure; acting process; collaborative nature of a theatrical production and role of production staff; theatre history; theatre vocabulary; aesthetics; evaluating artistic choices***Theater Level 2****FEE: \$25.00****Course Code: 285200**

PREREQUISITE: THEATRE LEVEL I OR APPROVAL OF THE INSTRUCTOR.

*Produce; character development; script analysis; collaboration; role of technical theatre; self-evaluation; legal and ethical issues; theatre history; concepts of theatre; elements of theatre; styles of performance; stage combat; improvisation; playwriting; technology.***Theater Level 3****FEE: \$25.00****Course Code: 285300**

PREREQUISITE: THEATRE LEVEL II OR APPROVAL OF THE INSTRUCTOR.

*Create; improvisation; write scripts, direct, perform; theatre history; theatre vocabulary; aesthetics; criticism; characterization; analysis; interpretation; technical work; technology; compare fundamental elements used for communication with other art forms.***Theatre Production****FEE: \$25.00****Course Code: 285102**

PREREQUISITE: THEATRE LEVEL III OR ABOVE AND APPROVAL OF THE INSTRUCTOR

*Set design; construction; makeup; costumes; stage lighting; scene cutting; overview of production process***Business Marketing Academy Electives****Career Preparedness B (half credit)****FEE: None****Course Code: 400027**

PREREQUISITE: Career Preparedness A

*NOTE: BOTH CAREER PREPAREDNESS A AND CAREER PREPAREDNESS B MUST BE TAKEN IN ORDER TO FULFILL THE GRADUATION REQUIREMENT FOR THIS COURSE. A one-half credit course that is taught in grades 9-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The required 20-hour online experience can be met by successful completion of both Career Preparedness A and Career Preparedness B.***BUSINESS TECHNOLOGY APPLICATIONS****FEE: \$25.00****Course Code: 450006**

Pre-requisites: None

*A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.***MULTIMEDIA DESIGN****FEE: \$25.00****Course Code: 410016**

Pre-requisites: Advanced Business Technology Applications

A one-credit course designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents.

INTRODUCTION TO ADVERTISING DESIGN

FEE: \$25.00

Course Code: 440031

Pre-requisites: None

A one-credit course that provides students with instruction and experiences in an advertising design laboratory and studio environment.

DIGITAL DESIGN

FEE: \$25.00

Course Code: 440032

Pre-requisite: Introduction to Advertising Design

A one-credit course that provides students with hands-on experiences including computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and workplace-related technology. The prerequisite for this course is Introduction to Advertising Design or an equivalent visual arts credit.

GRAPHIC ILLUSTRATION

FEE: \$25.00

Course Code: 440033

Pre-requisite: Digital Design

A one-credit course that provides students with experiences and instruction in object and information design.

MANAGEMENT PRINCIPLES

FEE: \$25.00

Course Code: 480011

Pre-requisites: Business Technology Applications

A one-credit course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Specific content standards to be included in each of the courses are indicated in the Course of Study chart.

MARKETING PRINCIPLES

FEE: \$25.00

Course Code: 550011

Pre-requisites: Business Technology Applications

A one-credit course designed to provide students with an overview of in-depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling.

SPORTS AND ENTERTAINMENT MARKETING FUNDAMENTALS

FEE: \$25.00

Course Code: 550013

Pre-requisites: Marketing Principles

Sports and Entertainment Marketing is a one credit specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Sports Marketing addresses such diverse products as the sporting event itself, its athletes, sports facilities or locations, sporting goods, personal training, and sports information. Entertainment marketing includes events such as fairs, concerts, trade shows, festivals, plays, product launches, and causes.

WORKFORCE ESSENTIALS

FEE: \$10.00

Course Code: 400016

A one-credit course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on career development and employment. This course can be taken under any of the academies.

COOPERATIVE EDUCATION

FEE: \$10.00

Course Code: 400031

Prerequisite: At least one CTE course, any cluster

A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

BUILDING SCIENCE ACADEMY ELECTIVES

ARCHITECTURE, CONSTRUCTION, AND MANUFACTURING

FEE: \$25.00

Course Code: 430004

Pre-requisites: None

A one-credit course that introduces students to core knowledge and skills in the areas of design, preconstruction, construction, maintenance, operations, and installation and repair which are foundational to courses related to careers in the architecture and construction and manufacturing industries. This course is not a prerequisite for entering a specific pathway.

NCCER ELECTRICAL TECHNOLOGIES 1

FEE: \$25.00

Course Code: 432501

Pre-requisites: Architecture, Construction, and Management

This is the first of 3 required one-credit courses in the Electrical Technologies Pathway. It is designed to complete all core requirements for NCCER Core credentialing and to provide students with fundamental knowledge and skills emphasizing use of hand tools, power tools, and electrical theory for use in the construction industry and required for NCCER Electrical Level I Credentialing.

NCCER ELECTRICAL TECHNOLOGIES 2

FEE: \$25.00

Course Code: 432502

Pre-requisites: NCCER Electrical Technologies 1

This is the second of 3 required one-credit courses in the Electrical Technologies pathway. It is designed to provide students with theory, practice, and skills development. Emphasis is placed on fundamental knowledge and skills in basic wiring, understanding circuitry, performing basic wiring patterns, and using the National Electric Code (NEC) leading to NCCER Electrical Level I Credentialing.

NCCER ELECTRICAL TECHNOLOGIES 3

FEE: \$25.00

Course Code: 432503

Pre-requisites: NCCER Electrical Technologies 2

This is the third of 3 required one-credit courses in the Electrical Technologies pathway. It is designed to provide students with theory, practice, and skills development. Emphasis is placed on application. Skills in intermediate wiring, circuitry, wiring patterns, and using the National Electric Code (NEC) leading to NCCER Electrical Level I Credentialing.

HEALTH SCIENCE ACADEMY ELECTIVES

FOUNDATION OF HEALTH SCIENCE

FEE: \$25.00

Course Code: 490007

Pre-requisites: None

*A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster. **This course can count as the .5 credit in Health Education.***

THERAPEUTIC SERVICES

FEE: \$25.00

Course Code: 490023

Pre-requisites: Foundation of Health Science

A one-credit course that introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.

PATIENT CARE TECHNOLOGY

FEE: \$25.00

Course Code: 490027

Pre-requisites: Foundation of Health Science

Patient Care Technician is a one credit course that provides students the opportunity to become effective and efficient multi-skilled healthcare providers. Students will develop a working knowledge of advanced patient care skills, vital signs, 12-lead EKG's, oxygen therapy, basic phlebotomy via simulation, and specimen collection and processing.

SPORT MEDICINE FUNDAMENTALS

FEE: \$25.00

Course Code: 490028

Pre-requisites: Foundation of Health Science

Sports Medicine Fundamentals is a one credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment and emergency preparedness in sports medicine.

HEALTH INFORMATICS

FEE: \$25.00

Course Code: 490031

Pre-requisites: Foundation of Health Science

A one-credit course that introduces students to the technology component of health services. Course content specifies core knowledge and skills related to the informatics pathway which includes interpreting electronic data, electronic communications, legal and ethical issues related to technology, use of medical equipment, and research.

HEALTH SCIENCE INTERNSHIP

FEE: \$25.00

Course Code: 490013

Pre-requisites: Foundations of Health Science + one additional Health Science Academy elective

A one-credit course focusing on basic knowledge and skills necessary for beginning health care workers. Health Science Internship reinforces and applies knowledge learned in classroom and laboratory settings. Content Standards 1,3,4,5,6, and 9 must be taught for this one-credit course.

EMERGENCY SERVICES

FEE: \$25.00

Course Code: 410024

Pre-requisites: Fire Fighting

A one-credit course that introduces students to the emergency medical profession. Course content emphasizes safety, human structure and function, assessment of emergency clients, ethical behavior, and emergency care procedures.

HOSPITALITY & TOURISM ACADEMY ELECTIVES

HOSPITALITY AND TOURISM

FEE: \$40.00

Course Code: 500011

Pre-requisites: None

A one-credit foundation course designed to introduce students to the hospitality and tourism industry, the lodging industry, and culinary arts. This course is a prerequisite for Culinary Arts I.

CULINARY ARTS I

FEE: \$40.00

Course Code: 500012

Pre-requisites: Hospitality and Tourism

A one-credit course designed to introduce students to basic food production, management, and service activities in both the back and-front of the house. Emphasis is placed on sanitation, safety, and basic food production. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.

CULINARY ARTS II

FEE: \$40.00

Course Code: 500013

Pre-requisites: Culinary Arts I

A one-credit course designed to provide students with advanced experiences in food production, management, and service. A school-based laboratory (commercial food service kitchen with a food serving and dining area) is required for this course.

BAKING & PASTRY ARTS

FEE: \$40.00

Course Code: 500014

Pre-requisite: Culinary Arts II

This is a one -credit course designed to provide the principles of baking and pastry techniques. The course includes baking technologies, equipment, preparation procedures, production methods, pastry methods, chocolate and candy productions, science of bread baking, confections and desserts, showpieces, cost control, food safety, and presentation techniques to create fundamental baking to the latest pastry trends.

LAW & PUBLIC SAFETY ACADEMY

PRINCIPLES OF PUBLIC SERVICE

FEE: \$25.00

Course Code: 530004

Pre-requisite: None

A one-credit course designed to introduce students to the competencies related to public service job preparatory programs. Students develop knowledge and skills in fire management services, legal services, and law enforcement services.

INTRO TO LAW & THE AMERICAN LEGAL SYSTEM

Course Code: 530021

Pre-requisite: Principles of Public Service

A one-credit course designed to introduce students to fundamental areas of law, the American legal system, and legal professions. Emphasis is placed on history and development of law, sources of law in society, civil law, criminal law and procedure, ethics and the justice system, reasoning skills, trial procedures, communication, and research skills.

ENGINEERING ACADEMY

INTRODUCTION TO ROBOTICS

Course Code: 540031

Pre-requisite: None

A one-credit course designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.

ADDITIONAL ELECTIVES

STUDENT AIDE

Course Code: 802106aa

Non-credit course for students in the 11th and 12th grades only.

Students must be approved by administration.

ACT PREP

Course Code: 802200ac

This course is available to 10th and 11th grade students and is designed to enhance student skills in Math and Language Arts to improve student performance on college entrance exams.