

**POPE HIGH SCHOOL
MASTER COURSE GUIDE
2018-2019**



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A few notes about this course guide:

- Academic classes have been recommended by your teachers after reviewing your grades, test scores and previous classroom performance. It is not the philosophy of the school to place students in classes which the school believes will be discouraging or overwhelming to students. While we do encourage students to challenge themselves with the most rigorous classes they can handle, please be careful if you decide to take a course different than what your teacher recommended. ***If you choose a class not recommended by the school, school personnel will not be obligated to make adjustments in the required work of the class, provide additional individual help beyond that which is provided to all students in the class, or to change a schedule during the school year.***
- Classes are offered based on student interest. **If we do not have enough students to justify a course, it will not be offered.** Any students impacted by the decision to not offer a course will be given the opportunity to select another course.
- Courses assigned extra quality points (EQP) for the full 1.0 credit course are identified in the course catalog. The extra quality point is added onto the weighted grade point average (GPA) on the Cobb County issued transcript. Effective with the Class of 2021, extra quality points were assigned to the following courses: Honors 9th Literature and Composition, Honors World Geography and GSE Accelerated Algebra I/Geometry A. The assignment of extra quality points is not retroactive for previous classes.
- **Please ask questions!** Your counselor is the best person to advise you as to what you need to take to meet your graduation requirements.
- Have a great 2018-2019 school year and, as always.....*Go Hounds*

Graduation Requirements

In September, 2007, the State Board of Education passed a new set of graduation requirements that went into effect for students enrolling in the ninth grade for the first time in 2008-2009 and beyond. The rule was revised in conjunction with the implementation of the new Georgia Performance Standards in English, Mathematics, Science, Social Studies, as well as electives.

All students will be required to complete a minimum of **23 units for graduation**. All students must complete:

- 4 units of English
- 4 units of Science
- 4 units of Mathematics
- 3 units of Social Studies
- 3 units from : Foreign Language* **and/or** CTAE **and/or** Fine Arts**
- 4 units additional electives
- ½ unit health
- ½ unit personal fitness

***Foreign Language** - Students planning to enter or transfer into a University System of Georgia Institution **MUST** take at least two units of the same foreign language. Some colleges and universities may require the completion of more than 2 units. It is the student's responsibility to consult the school's website to obtain information about current admission requirements.

****Fine Arts** - Some colleges may require a unit of Fine Arts. Please consult the website of the colleges you are interested in for detailed requirements. It is the student's responsibility to consult the school's website to obtain information about current admission requirements.

Testing Requirements to Graduate

There are 8 required Georgia Milestones assessments (end of course exams). Classes that administer the assessment are: 9th Grade Literature, American Literature, Biology, Physical Science, Algebra, Geometry, US History and Economics. The Milestone assessment counts as 20% of the final course grade.

Promotion Requirements

Students must pass their English, Math and Science courses in 9th, 10th and 11th grades to be promoted to the next grade level as well as earning 5, 10 and 16 credits respectively for promotion to the next AO/grade level.

English

Course Title	Course Description	Pre Requisites	Grade
ENGLISH/ESOL I	This course is designed for the student for whom English is a second language. This course integrates basic English grammar and vocabulary by emphasizing comprehension and production of spoken and written English. This course focuses on interpersonal communication skills and United States culture. Students enrolled in this course hold active designation for ESL services.	Teacher Recommendation	9-12
READ 180 / Reading Support (9th grade only)	Read 180 is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below the proficient level. The program directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading and writing skills.	Reading Inventory (RI) qualifying score Teacher recommendation	9
NINTH LITERATURE/COMPOSITION A&B <i>Milestone Course</i>	This is a college prep course which integrates composition, grammar and literature in a variety of genres. It covers the writing process: planning drafting, revising, editing and proofing. The development of vocabulary, speaking, listening, and researching skills will be included. Parallel readings will include specific readings assigned during the term and required summer readings.	Teacher Recommendation	9
HONORS NINTH LITERATURE/COMPOSITION A&B (.5 EQP course effective for the Class of 2021) <i>Milestone Course</i>	This course is an accelerated college prep course designed for the student who has a serious interest in the interpretation of literature. It integrates writing, grammar and usage, speaking and listening. It includes reading a variety of genres (short stories, novels, tales, poetry, mythology, drama and nonfiction) and emphasizes oral and written response to literature, distinguishing characteristics of various genres and vocabulary study. Research skills and a research paper are required. Parallel readings will include specific readings assigned during the term and required summer readings.	Teacher Recommendation	9
HONORS BRITISH LIT/COMPOSITION A&B (.5 EQP)	This college prep course is an accelerated survey course of British works and authors from the Anglo-Saxon through the Contemporary age. Specific literature will be selected from anthologies appropriate for Honors readers. Because this course is designed to prepare students for Advanced Placement English, critical reading and writing skills will be emphasized. Students writing will include types of persuasive writing and an emphasis on analysis of literature. Structure and style will vary from informal to formal writing and will include study of the steps included in a research paper and a formal research paper. Literary terms, vocabulary study, composition techniques, and speaking and listening activities will be included. Parallel readings will include specific readings assigned during the term and required summer readings	Ninth Literature and Composition Honors or Ninth Literature and Composition Teacher Recommendation	10
TENTH LITERATURE/COMPOSITION A&B	This course is a survey course of global works of literature with an emphasis on British works and authors from the Anglo-Saxon through the Contemporary age. Students writing will include many types of persuasive writing and analysis of literature. Structure and style will vary from informal to formal writing and will include study of the steps included in a research paper and a formal research paper, literary terms, vocabulary study, composition techniques, speaking and listening activities. Parallel readings will include specific readings assigned during the term and required summer readings.	Ninth Literature and Composition Teacher Recommendation	10
WORLD LITERATURE/COMPOSITION HONORS (10TH grade) (.5 EQP) <i>Globalization Academy Only</i>	This course is an accelerated college-prep course concentrating on the reading and analysis of literature from many cultures past and present. Students will take part in and in-depth examination of a variety of fiction, non-fiction, and poetry including religious texts from different world cultures which will be examined in a literary context. This course will promote proficiency through a variety of writing styles. It will stress organization and development of written thought, as well as activities designed to enhance speaking and listening skills, grammar, mechanics and usage, vocabulary, and research skills and activities. Parallel readings will include specific readings assigned during the term and required summer readings.	Globalization Ninth Literature and Composition	10

AMERICAN LITERATURE/COMPOSITION A&B Milestone Course	This course is designed for the college-bound student. The course will survey American works and authors and will provide writing experiences particularly exposition, literary analysis and a formal research paper. Grammar, vocabulary development, listening, speaking, and research will also be included. Parallel readings will include specific readings assigned during the term and required summer readings. This course has a required summer assignment.	Ninth Literature and Composition Tenth grade English credit	11
HONORS AMERICAN LITERATURE/COMPOSITION A&B (.5 EQP) Milestone Course	This course is an accelerated college prep course designed for the student who has a serious interest in interpreting literature. The course will survey American works and authors and will provide writing experiences particularly exposition, literary analysis and a formal research paper. Grammar, vocabulary development, listening, speaking, and research will also be included. Parallel readings will include specific readings assigned during the term and required summer readings. This course has a required summer assignment.	Minimum of 1 Honors English credit Ninth Literature and Composition Teacher Recommendation	11
AP LANGUAGE WITH AMERICAN LITERATURE FOCUS A&B (1.0 EQP) Milestone Course	This course focuses on the study of American literature, embracing its rhetorical nature and recognizing the literature as a platform for argument. It also emphasizes a variety of writing modes and genres and the essential conventions of reading, writing, and speaking. The students will develop an understanding of how historical context in American literature affects its structure, meaning, and rhetorical stance. The course will enable students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. The students will encounter a variety of informational, literary, and non-print texts including visuals and graphic images as texts from across the curriculum and read texts in all genres and modes of discourse. The students will compose a variety of writing, including expository, analytical, and argumentative writings. Students will analyze primary and secondary sources and develop the research skills needed to effectively synthesize these sources for their writing. Students enrolled in this course are prepared to take the Advanced Placement exam. There are required summer readings and assignments.	Ninth Literature and Composition Honors or Ninth Literature and Composition British Literature Honors or Globalization World Literature Honors Teacher Recommendation	11
MULTICULTURAL LITERATURE A&B	This course focuses on works of a variety of genres by and about people of diverse backgrounds both past and present. Examining narrative and dramatic fiction, informational text, music, and film, this course stresses exploring themes of linguistic and cultural diversity while developing critical thinking skills through class discussion and oral and written presentations. Students will be expected to read, write, and respond to complex texts in preparation for college-level work. Students will participate in the writing process in writing for a variety of purposes including short, timed, and extended writings. Vocabulary development is embedded in the course. This course has a required summer assignment.	Ninth Literature and Composition Tenth grade English credit American Literature (or concurrent enrollment in American Literature)	12
Advanced Composition A&B	This course is designed for the college-bound student who wishes to refine his writing skills in order to prepare himself for the level of writing expected in most college courses, regardless of discipline. It provides review and further exploration of the writing process, including planning, drafting, and revising, and emphasizes research skills and various elements of essay composition. The course focuses on argument, informative/explanatory, and narrative writing as well as style, voice, and grammatical structure, including mechanics and usage.	Ninth Literature and Composition Tenth grade English credit American Literature Teacher recommendation	12
AP LITERATURE/COMPOSITION A&B (1.0 EQP)	This college-level course focuses on the reading and analysis of literary works and the writing of critical essays. This course is designed as an accelerated and enriching experience in analytical and critical thinking. It also pre-supposes that a student is proficient in composition. This course is geared to the student who aspires to take the AP exam. Parallel readings will include specific readings assigned during the term and required summer readings.	AP Language with American Literature Teacher Recommendation	12
English Electives			
Course Name	Course Description	Pre-requisites	Grade
JOURNALISM/ ANNUAL I	This course explores writing through the analysis of yearbooks. It concentrates on the purpose, influence and structure, and language use. It also covers news gathering, ethics, copyrighting, editing and revising. The course includes desktop publishing, circulation and production as	Must See Sponsor for application	10-12

	minor aspects.		
AP Art History (1.0 EQP)	<p>The AP Art History course explores a wide array of aesthetic topics as the nature of art, its uses, its meanings, its role in culture, art making, artists' lives, art movements, and responses to art. Through investigation of diverse artistic traditions from prehistory to present, from European, Asian, African and American traditions, the course fosters in-depth and holistic understanding of the history of art from a global perspective.</p> <p>There are no prerequisites for AP Art History. Students who have been successful in history and literature courses, or in studio art courses are encouraged to enroll since those experiences will support and enrich the context of the art history course. AP Art History is a college-level course, so student should be prepared for reading approximately 100 pages per week.</p>	None	10-12

Mathematics

Course Title	Course Description	Pre Requisites	Grade
Foundations of Algebra	Foundations of Algebra will provide many opportunities to revisit and expand the understanding of foundational algebra concepts, will employ diagnostic means to offer focused interventions, and will incorporate varied instructional strategies to prepare students for required high school courses. The course will emphasize both algebra and numeracy in a variety of contexts including number sense, proportional reasoning, quantitative reasoning with functions, and solving equations and inequalities. Student placement made by teacher recommendation only.	Teacher recommendation Successful completion of 8 th Grade Mathematics course	9
GSE Algebra I A&B Milestone course	GSE Algebra is the first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications. It includes polynomial and rational expressions, basic functions and their graphs, simple equations, quadratic, linear and exponential functions.	Teacher recommendation 8 th Grade Mathematics credit Teacher Recommendation	9
GSE Accelerated Coordinate Algebra I/Geometry A A&B (.5 EQP effective for the Class of 2021) Milestone course	Accelerated GSE Algebra I/Geometry A is the first in a sequence of mathematics courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. There is increased content depth and rigor, with the course comprised of six units of GSE Algebra I (above) and the first three units of GSE Geometry that includes the study of transformations, similarity and congruence, right triangle trigonometry with further geometric content studies.	Teacher recommendation and 8 th Grade Mathematics credit with minimum test average of 87% or 8 th Grade AC Mathematics credit with minimum test average of 90%	9
GSE Geometry A&B Milestone course	This is the second in a sequence of courses designed to provide students with preparation for more rigorous Mathematics courses in high school. The course represents a discrete study of geometry with correlated statistics applications, including transformations, similarity, congruence, fundamentals of proof, right triangle trigonometry, properties of circles, algebraic connections with geometry, and probability.	GSE Algebra I	10
GSE Geometry Support A&B	The purpose of the Mathematics Support Class is to address the needs of students who have traditionally experienced difficulty in Mathematics by providing the additional time and attention they need to order to successfully complete their regular grade-level Mathematics course without failing. Mathematics Support is an elective class that will be taught concurrently with a student's regular GSE Geometry I A&B class. Student placement made by teacher recommendation only.	Teacher Recommendation and Concurrent enrollment in GSE Geometry A&B	10
Honors Geometry A&B (.5 EQP) Milestone course	This is the second in a sequence of courses designed to provide students with preparation for more rigorous Mathematics courses in high school. The course represents a discrete study of geometry with correlated statistics applications, including transformations, similarity, congruence, fundamentals of proof, right triangle trigonometry, properties of circles, algebraic connections with geometry, and probability. The honors course will include greater depth in problem solving, rigorous reasoning, and proof.	Teacher recommendation and GSE Algebra I A&B with minimum test average of 93% or ACC Algebra I/Geometry A A&B with minimum test average of 74%-84%	9-10
GSE Accelerated Geometry B/Advanced Algebra II A&B (.5 EQP) Milestone course Test given in December	Accelerated GSE Geometry B/Algebra II is the second in a sequence of mathematics courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. It is in Accelerated Geometry B / Algebra II that students pull together and apply the accumulation of learning that they have from their previous courses. Students expand their repertoire of functions to include quadratics with complex solutions, polynomial, rational, radical, exponential and logarithmic functions. Finally, students bring together all of their experience with functions to create models and solve contextual problems.	Teacher recommendation and Accelerated Algebra I/Geometry A A&B with a minimum test average of 85% Or 8 th Grade Accelerated Algebra I/Geometry A with a minimum test average of 85%	9-10
GSE Algebra II A&B	This is the third in a sequence of required courses designed to prepare students for college and career readiness. In this course students will analyze polynomial functions of higher degree, solve	GSE Algebra I A&B GSE Geometry A&B	10-11

	a variety of equations and inequalities, use a system of equation and linear programming to represent and solve problems, design and conduct experimental and observational studies, and radicals and rational exponents.		
GSE Honors Algebra II A&B (.5 EQP)	This is the third course in a sequence of required courses designed to prepare students for higher level high school mathematics courses. This course includes the study of the GSE Algebra II but with more depth and rigor with emphasis on critical thinking and analysis of mathematical concepts.	Teacher recommendation and GSE Honors Geometry A&B with minimum test average of 85% or GSE Geometry A&B with minimum test average of 93% and GSE Algebra I minimum course average of 93%	10-11
GSE Pre-Calculus A&B {4 th Math option}	GSE Pre-Calculus is a fourth Mathematics course to prepare students for calculus and other college level Mathematics courses. Students will study the Unit Circle, writing and graphing trigonometric functions, solving trigonometric equations and identities, inverse trigonometric functions, applications of trigonometry to general triangles, conic sections, basic vector operations, the probability of compound events, and using expected values to solve problems and to make informed decisions.	Teacher recommendation and GSE Algebra II A&B with minimum course average of 80%	11-12
Accelerated Pre-Calculus A&B (.5 EQP)	Accelerated Pre-calculus is the fourth in the sequence of accelerated mathematics courses designed to ensure that students are prepared to take higher-level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics. There is increased depth and rigor in this course which students will study the Unit Circle, writing and graphing trigonometric functions, solving trigonometric equations and identities, inverse trigonometric functions, applications of trigonometry to general triangles, conic sections, advanced vector operations, the probability of compound events, and using expected values to solve problems and to make informed decisions. The accelerated course will also cover functions and graphs in the polar coordinate and parametric coordinate systems.	Teacher recommendation and GSE Accelerated Geometry B/Algebra II A&B with minimum course average of 87% or GSE Honors Algebra II with minimum course average of 97%	10-11
College Readiness Math {4 th Math option}	College Readiness Mathematics is a fourth course option for students who have completed Algebra I or Coordinate Algebra, Geometry or Analytic Geometry, and Algebra II or Advanced Algebra. The course is designed to serve as a bridge for high school students who will enroll in non-STEM post-secondary study and will serve to meet the high school fourth course graduation requirement. The course has been approved by the University System of Georgia as a fourth mathematics course beyond Algebra II or Advanced Algebra for non-STEM majors, so the course will meet the needs of college-bound seniors who will not pursue STEM fields.	Teacher recommendation and GSE Algebra II A&B	12
STATISTICAL REASONING {4 th Math option}	Statistical Reasoning is a fourth Mathematics course option for students who have completed Accelerated GSE Geometry B/Algebra II or GSE Algebra II. The course provides experiences in statistics beyond the CCGPS sequence of courses, offering students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Students will formulate statistical questions to be answered using data, will design and implement a plan to collect the appropriate data, will select appropriate graphical and numerical methods for data analysis, and will interpret their results to make connections with the initial question	Teacher recommendation and Accelerated Geometry B/Algebra II A&B with course average of 74% or below or GSE Algebra II A&B	12
AP STATISTICS A&B (1.0 EQP) {4 th Math option}	This course conforms to Advanced Placement Program of College Board and introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns and statistical inference.	Teacher recommendation and Pre-Calculus 11 th grade with minimum course average of 85% or Pre-Calculus 10 th grade with minimum course average of 80% or GSE Honors Algebra II	11-12

AP CALCULUS AB A&B (1.0 EQP) {4 th Math option}	This course conforms to the Advanced Placement Program of the College Board and includes algebraic relations, limits, derivatives of algebraic and transcendental functions, and applications of derivatives. This course also includes basic integrations, applications of integrations, transcendental functions, methods of integration, and linear first-order differential equations. A typical equivalent would be a college Calculus I class.	Teacher recommendation and GSE Pre-Calculus A&B with minimum course average of 85%	11-12
AP CALCULUS BC A&B (1.0 EQP) {4 TH Math option}	This course conforms to the Advanced Placement Program of the College Board and continues the study of AP Calculus AB course. Topics include the differential and integral calculus skills and concepts from AP Calculus AB and extends them to include parametric, polar, and vector functions, along with an introduction to the study of functions represented as infinite sequences and series. A typical equivalent would be a college Calculus I and Calculus II class.	Teacher recommendation and AP Calculus AB A&B (students must also have ACC Pre-Calculus credit) or Accelerated Pre-Calculus A&B with minimum course average of 88%	11-12
MULTIVARIABLE CALCULUS A&B (1.0 EQP)	Multivariable Calculus is a fourth-year mathematics course option for students who have completed AP Calculus BC. It includes three-dimensional coordinate geometry; matrices and determinants; eigenvalues and eigenvectors of matrices; limits and continuity of functions with two independent variables; partial differentiation; multiple integration; the gradient; the divergence; the curl; Theorems of Green, Stokes, and Gauss; line integrals; integrals independent of path.	Teacher recommendation and AP Calculus BC A&B and minimum course average of 88%	12
Engineering Calculus A&B (.5 EQP)	This is a fourth-year one-semester course option for students who have completed AP Calculus BC. The course provides students with opportunities to develop an understanding of multivariable calculus as it applies to engineering systems, the history of engineering and its contributions to society. The course includes three-dimensional coordinate geometry; matrices and determinants; limits and continuity of functions with two independent variables; partial differentiation; multiple integration; the gradient; the divergence; the curl; Theorems of Green, Stokes, and Gauss; line integrals; integrals independent of path; and linear first-order differential equations.	Admission to the Advanced Mathematics and Science Academy or Admission into the STEM Academy and AP Calculus A&B	12
ADVANCED MATHEMATICS AND SCIENCE ACADEMY ONLY	STEM Academy mathematics students will complete a continuous four-year mathematics program covering the topics contained within Honors Geometry, Honors Algebra II, Accelerated Pre-calculus, AP Calculus AB, AP Calculus BC, Multivariable Calculus, and Engineering Calculus.	Admission to the STEM Academy as a 9 th grader	9-12

Science

Course Title	Course Description	Pre Requisites	Grade
BIOLOGY I A & B Milestone course	Biology is a required course in which the students will learn and understand biological functions and systems on the molecular, cellular, systemic, and environmental levels. Students should also be able to implement applications of biological processes to everyday situations.	None	9
HONORS BIOLOGY I A&B (.5 EQP) Milestone course	This is an accelerated course designed for students interested in pursuing advanced sciences or careers in the science or engineering fields. Students will learn and understand biological processes that occur on the molecular, cellular, systemic, and environmental levels. Students should also be able to implement applications of biological processes to everyday situations.	Teacher recommendation 9 th grade placement chart and GSE Algebra I/Geometry A A&B	9
AP BIOLOGY A&B (1.0 EQP) (Milestone Course if not previously tested in a lower level Biology Course)	The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The AP course in biology differs significantly from the usual first high school course in biology with respect to the textbooks used, the range and depth of topics covered, laboratory work done by students, and the time and effort required of students. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Some students, as college freshmen, are permitted to undertake upper-level courses in biology or register for courses for which biology is a prerequisite after achieving an adequate score on the Advanced Placement Examination.	Teacher recommendation and Honors Biology A&B with minimum course grade of 88% and honors level math courses with minimum grade of 88%	11-12
Essentials of Biotechnology	This course introduces students to the broad understanding of the fundamentals of biotechnology and the impact on society. The knowledge and skills in this course provides a basic overview of current trends and careers in biotechnology, with an emphasis on basic laboratory skills, along with the business, regulatory, and ethical aspects of biotechnology.	Teacher recommendation Honors Biology A&B	10-12
CHEMISTRY I A&B	Chemistry I is designed to introduce the student to how chemical principles and concepts are developed from observations and data, to understand and apply ordinary chemical and other scientific phenomena which he/she encounters in everyday activities, and to assist the student in appreciating the role of the chemist and the chemical industry in the evolution of our present day highly technological society.	Honors Biology A&B with minimum grade of 75%-84% or Biology with minimum grade of 81% and GSE Algebra I A&B and GSE Geometry with minimum grade of 81%	10-12
HONORS CHEMISTRY A&B (.5 EQP)	Honors Chemistry I is an accelerated course designed for students interested in pursuing science related and/or engineering collegiate degrees. This course will introduce the student to how chemical principles and concepts are developed from observations and data, to understand ordinary chemical and other scientific phenomena, which he/she encounters in everyday activities, and to assist the student in appreciating the role of the chemist and the chemical industry in the evolution of our present day highly technological society. Emphasis is placed on experiments yielding data that when	Teacher recommendation and Honors Biology A&B with minimum grade of 85% and/or GSE Accelerated Algebra I/Geometry or higher with minimum grade of 85% or	10-12

	analyzed and interpreted; reveal important relationships such as trends and regularities, which can be used as a basis for developing unifying principles and concepts	Biology A&B with minimum course grade of 88% and GSE Accelerated Algebra I/Geometry or higher with minimum grade of 85%	
AP CHEMISTRY A&B (1.0 EQP)	Advanced Placement Chemistry is designed to be the equivalent of a college introductory chemistry course usually taken by students who have an interest in biological sciences, physical sciences, or engineering. The AP Chemistry course expands the knowledge and skills gained during the introductory high school chemistry course. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of chemistry. Some students, as college freshman, are permitted to undertake upper-level courses in chemistry or register for courses for which chemistry is a prerequisite after achieving an adequate score on the Advanced Placement Examination.	Teacher recommendation and Honors Chemistry A&B with minimum grade of 88% and GSE Honors Algebra II A&B with minimum grade of 88% or Accelerated Geometry B/Algebra II A&B with minimum grade of 88%	11-12
PHYSICAL SCIENCE A&B Milestone course	The Physical Science curriculum is designed to continue student investigations of the physical sciences and to provide students with the necessary skills to have a richer knowledge base in physical science. This course is designed as a survey course of chemistry and physics. This curriculum includes the more abstract concepts such as the conceptualization of the structure of atoms, motion and forces, and the conservation of energy and matter, the action/reaction principle, and wave behavior. Students investigate physical science concepts through experience in laboratories and field work using the processes of inquiry.	Teacher Recommendation	10-12
PHYSICS A&B	Physics is a detailed conceptual physics course that introduces the relationships among speed, acceleration, and displacement. The laws of mechanics as applied to both linear and circular motion systems are explored. The conservation of energy and momentum are also covered. Other topics covered include light, sound, electromagnetic waves, electricity, electromagnetism, electronic and nuclear physics	2 Units of Science and GSE Geometry A&B or GSE Algebra II	11-12
HONORS PHYSICS A&B (.5 EQP)	Physics Honors is an accelerated course that details the relationship among speed, acceleration, and displacement. Vector mathematics is used to make calculations involving both kinetic and dynamic quantities. Algebraic treatments of the laws of mechanics as applied to both linear and circular motion systems are derived and explained. The concepts of conservation of energy and momentum are covered in detail. Other topics covered include light, sound, electromagnetic waves, electricity, electromagnetism, electronics and nuclear physics	Teacher recommendation and Biology A&B and Honors Chemistry with minimum grade of 78%-84% or Chemistry A&B with minimum grade 88% and GSE Algebra II A&B or Accelerated Geometry B/Algebra II A&B with minimum grade of 81%	11-12
AP PHYSICS 1 A&B (1.0 EQP)	Advanced Placement Physics 1 provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. The course ordinarily forms both parts of the college sequence that serves as the foundation in physics for students majoring in pre-medicine or applied sciences. Some	Teacher recommendation and 2 Units of Science Enrolled in GSE Algebra II A&B or Pre-Calculus A&B	11-12

	students, as college freshmen, are permitted to undertake upper-level courses in physics or register for courses for which physics is a prerequisite after achieving an adequate score on the Advanced Placement Examination.		
AP PHYSICS C A&B (Calculus Based) (.5 EQP)	The Advanced Placement Physics C is a calculus-based course that includes a detailed study of classical (Newtonian) mechanics and an exploration of electricity and magnetism. Some students, as college freshmen, are permitted to undertake upper-level courses in physics or register for courses from which physics is a prerequisite after achieving an adequate score on the Advanced Placement Examination.	Teacher recommendation and AP Physics 1 A&B or Honors Physics A&B 2 Units of Science and concurrently enrolled or have taken AP Calculus	11-12
ASTRONOMY A&B	Astronomy is a course that is based on the history, motion, and interactions of the planets, stars, and the universe. This course requires two night viewings to study stars and planets that cannot be seen during the hours of a school day. This course is for students who desire a better understanding of how the universe works.	1 Unit of Science GSE Algebra I A&B	10-12
AP ENVIRONMENTAL SCIENCE A&B (1.0 EQP)	AP Environmental Science (APES) is a laboratory science course equivalent to a one-semester college course in environmental science. This is an advanced study of topics in environmental science and will encompass multiple disciplines from the scientific field such as Earth Science, Biology, Physical Science, Chemistry, and Physics along with courses of study in math, geography, history, government and literature.	Teacher recommendation Honors Biology Honors Chemistry A&B	11-12
ENVIRONMENTAL SCIENCE A&B	Environmental Science is designed as an integrated and global approach to science and technology. The concepts in this course focus on the links between living things, their surroundings, and the total environment of the planet. The scientific principles and related technology will assist the student in understanding the relationships between local, national, and global environmental issues. The intent of the course is to help individuals become informed, get involved, and care for one's self and the environment.	Teacher recommendation and Biology A&B with minimum course average of 74%-81% Or 8 th Grade AC Science or MS/HS Physical Science with minimum course average of 75%	9-12
HUMAN ANATOMY/PHYSIOLOGY A&B	This course is designed to give the student an overview of the structures and functions of the major systems of the human body. The course is intended for a student who is interested in pursuing a career in various medical fields and physical education. Students are expected to participate in laboratory activities including the dissection of various preserved animal specimens.	Teacher recommendation or Honors Biology A&B or Biology A&B	11-12
HONORS HUMAN ANATOMY/PHYSIOLOGY A&B (.5 EQP)	Honors Human Anatomy/Physiology Y is an accelerated course designed to give the student an in-depth look at the structures and functions of the major systems of the human body. The course is intended for the student who is interested in pursuing a career in the allied medical fields or who is interested in advanced competency in medical science.	Teacher recommendation and Honors Biology A&B with minimum course average of 81%	11-12
ZOOLOGY A&B	The Zoology course is a systematic study of the animal kingdom and includes animal anatomy, physiology, development, histology, ecology, behavior, and evolution. Emphasis will be placed on comparative anatomy. An understanding of form and function allows students to study how animals have changed over time and	Biology A&B	10-12

	to relate animals to their particular role in an ecosystem.		
ADVANCED MATHEMATICS AND SCIENCE STEM ACADEMY ONLY	Advanced Mathematics and Science STEM Academy students will complete a continuous four-year science program covering the curriculums for the following courses: AP Environmental Science, AP Biology, AP Physics I/C, and AP Chemistry.	Advanced Mathematics and Science STEM Academy admission	9-12
STEM ACADEMY ONLY	STEM Academy students will complete a continuous course of study for the following program in science: <i>Engineering/Computer Science pathway:</i> Honors Biology, AP Environmental Science, AP Physics 1, and 4 th AP or Honors science course. <i>Biotechnology pathway:</i> Honors Biology, Honors Chemistry and Biotechnology, AP Physics 1, AP Biology and Honors Anatomy.	STEM Academy admission	9-12

AP CAPSTONE

Course Title	Course Description	Pre Requisites	Grade
AP SEMINAR (1.0 EQP)	AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.	Teacher recommendation	11
AP Research (1.0 EQP)	AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.	Teacher recommendation	12

Social Studies

Course Title	Course Description	Pre Requisites	Grade
WORLD GEOGRAPHY A&B	This course uses a thematic approach to the study of the geographic (physical and cultural), religious, historical, economic and political developments throughout the world. Content studied is supported by the use of current events to further curricular understanding. Study skills such as writing, note-taking, critical thinking, test taking strategies developed during this course will prepare students for high school social studies courses and other curriculums as well.	None	9-10
HONORS WORLD GEOGRAPHY A&B (.5 EQP effective for the Class of 2021)	This course uses a thematic approach to the geographic (physical and cultural), religious, historic, economic, and political developments throughout the world. Content studied is supported by the use of current events to further curricular understanding. Study skills such as writing, note-taking, critical thinking, test taking strategies developed during this course will prepare students for high school social studies courses and other curriculums as well.	Teacher Recommendation	9-10
AP HUMAN GEOGRAPHY A&B (1.0 EQP)	Advanced Placement Human Geography is the equivalent of a one-semester college-level course and is designed to provide the student with an in-depth understanding of the earth's regions, religions, languages, recent regional histories, governments, economic systems, and physical features. Students will write frequently on current topics of interest. The free response questions will be patterned after the type of questions asked on the AP Human Geography Exam. Outside reading and writing are required. This course has a required summer assignment.	Teacher Recommendation	9-12
WORLD HISTORY A&B	A survey of people and nations of both Western and non-Western civilizations. This course explores the political, cultural, and economic heritage of civilization from the time of recorded history through the Industrial Revolution (5000 B.C.-1800's) and from the rise of nationalism to contemporary times (1800's-present). Concepts and skills in problem solving and critical thinking are developed along with writing skills	None	10-12
HONORS WORLD HISTORY A&B (.5 EQP)	A survey of people and nations of both Western and non-Western civilizations. This course explores the political, cultural, and economic heritage of civilization from the time of recorded history through the Industrial Revolution (5000 B.C.-1800's) and from the rise of nationalism to contemporary times (1800's-present). Critical thinking and problem solving are stressed. Extensive reading and writing are required.	Teacher Recommendation and Grade of 88 or higher in World Geography and 9 th Literature and Composition courses	10-12
AP WORLD HISTORY A&B (1.0 EQP)	The purpose of the AP World History course is to develop greater understanding of the changes of global processes and contacts, in interaction with different types of human societies. This course offers balanced global coverage with Africa, the Americas, Asia, and Europe. This course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence.	Teacher Recommendation and Grade of 88 or higher in Honors World Geography and Honors 9 th Literature and Composition courses	10
US HISTORY A&B Milestone course	A survey of the development of the U.S. from discovery to the present. The intent of this course is to increase knowledge, awareness, and appreciation of America's social, political and economic evolution during the formative years. The student will also be encouraged to think independently and writing skills will be developed.	None	11-12
HONORS US HISTORY A&B (.5 EQP) Milestone course	A survey of the development of the US from discovery to the present. The purpose of this course is to increase knowledge, awareness, and appreciation of America's social, political, and economic evolution during the formative years. Inquiry and analysis of historical situations are emphasized. Extensive reading and writing are required.	Teacher Recommendation and Grade of 88 or higher in AP World History or Honors World History	11-12
AP U.S. HISTORY A&B (1.0 EQP)	This curriculum is designed to give students a thorough understanding of United States history from its discovery to the present, requiring students to master historical and analytical skills, including; chronological and spatial thinking, historical research, and	Teacher Recommendation and	11

Milestone course	historical interpretation. This course is equivalent to a full-year introductory college class. There is a required summer assignment.	Grade of 88 or higher in AP World History or Honors World History	
AMERICAN GOVERNMENT (one semester)	This course is a study of the local, state, and federal governmental functions. Citizenship rights and responsibilities are emphasized. Focus areas include development of our political systems, federalism, civil liberties, political parties, political theory and comparative government. Also, the functions of the Executive, Legislative, and Judicial branches of government will be studied.	United States History	12
AP GOVERNMENT POLITICS (1.0 EQP)	Designed to give students a critical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret politics in the United States and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. AP American Government is a cooperative educational endeavor of the College Entrance Examination Board. This course is required to meet graduation requirements.	Teacher Recommendation or AP US History or Honors US History	12
PRINCIPLES OF ECONOMICS (one semester)	This course is a study of fundamental concepts and essential elements of the market economic system in a problem/issues orientation. Focus areas include opportunity costs and scarcity, supply/demand analysis, competitive markets, macroeconomics measurement, business cycles, inflation, unemployment, monetary and fiscal policies, and international trade.	United States History	12
Milestone course			
AP MICROECONOMICS (1.0 EQP)	The purpose of this AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy	Teacher Recommendation or AP US History or Honors US History	12
Milestone course			
AP MACROECONOMICS (1.0 EQP)	The purpose of this AP course in Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops student's familiarity with economic performance measures, the financial sector stabilization policies, economic growth and international economics.	Teacher Recommendation or AP US History or Honors US History	12
Milestone course			

SOCIAL STUDIES ELECTIVES

Course Title	Course Description	Pre Requisites	Grade
PSYCHOLOGY (one semester)	Gives a general overview of the principles and concepts of psychology. The purpose of this course is to provide a better understanding of human behavior and interpersonal relationships. Topics of applied psychology are also studied.	None	10-12
AP PSYCHOLOGY A&B (1.0 EQP)	The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice.	Teacher Recommendation and Counselor Recommendation for rising 10 th Graders None for rising 11 th and 12 th Graders	11-12
AP COMPARATIVE GOVERNMENT (one semester) (1.0 EQP)	This course introduces students to the rich diversity of political life outside of the United States. The course uses a comparative approach to examining the political structures, policies, and political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. This course does not meet the graduation requirement for government. This is an elective course and does not meet the graduation requirement.	Teacher Recommendation or AP US History or Honors US History	12

CURRENT ISSUES	An opportunity for in-depth examination of contemporary local, state, national and international issues. The purpose of the course is to assess, assimilate, analyze and formally debate political and economic situations. Course will include intense reading, detailed writing, including position papers, are required.	None	10-12
LEADERSHIP	The purpose of this class is to provide an opportunity for students to pursue a course of study that permits them to serve in a variety of leadership roles within the local school. Provides a framework for understanding the problem-solving process, taking opportunities to participate in meaningful activities that affect society in positive ways, utilizing conflict resolution skills, learning effective communication skills adhering to ethical codes of practice, and exercising tolerance and advocacy of others' rights. Effectively combines social studies course content together with core social studies skill, giving students application and knowledge that will be invaluable for being viable and productive citizens.	Teacher Recommendation	10-12
SOCIOLOGY (one semester)	Sociology is the study of human society and social behavior. The course provides students with a basic understanding of how humanity is shaped largely by the groups to which people belong and by the social interaction that take place within those groups. Societal problems in the United States will also be discussed.	None	10-12

Foreign Language

Course Title	Course Description	Pre Requisites	Grade
FRENCH I A&B	An introduction to the language and culture of France and other French-speaking countries. The course will enable students to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	None	9-12
FRENCH II A&B	Designed to further develop the four skills of listening, speaking, writing and reading with an increased emphasis on oral proficiency. The student will acquire a basic command of the key vocabulary and structures necessary for limited personal communication as well as an appreciation of the breadth and variety of the French-speaking world.	French I	9-12
FRENCH III HONORS A&B (.5 EQP)	Designed to increase listening, speaking, writing and reading skills through expansion of knowledge regarding grammatical structure, mastery of reading material and through written and oral usage. The student will be able to participate in activities using oral and written forms, be able to inquire and describe using present, past, and future tense and read and demonstrate comprehension of a variety of texts.	French II with a minimum course grade of 74%	10-12
FRENCH IV HONORS A&B (1.0 EQP)	This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the French-speaking world.	French III Honors with a minimum course grade of 74%	10-12
AP FRENCH A&B (1.0 EQP)	AP French Language is designed to prepare the student to take the AP language test by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing, as well as constant cultural study. https://apstudent.collegeboard.org/apcourse/ap-french-language-and-culture	Teacher recommendation and/or French IV Honors	11-12
GERMAN I A&B	An introduction to the German language, which includes the four language skills; listening, speaking, writing, and reading. These skills will be expanded gradually through the first semester. Introduction to German culture will be an integral part of the course.	None	9-12
GERMAN II A&B	The course is designed for the student who has demonstrated superior facility in foreign language and offers a variety of opportunities for enrichment and oral work.	German I	10-12
GERMAN II HONORS A&B (.5 EQP)	Designed to further develop the four skills of listening, speaking, writing, and reading with an increased emphasis on oral proficiency. The student will acquire a basic command of the key vocabulary and structures necessary for limited personal communication as well as an appreciation of the breadth and variety of the German Speaking world.	Teacher recommendation only	10-12
GERMAN III HONORS A&B (.5 EQP)	Designed to increase listening, speaking, writing, and reading skills through expansion of knowledge regarding grammatical structure, mastery of reading material and through written and oral usage. The student will be able to participate in activities using oral and written forms, be able to inquire and describe using present, past, and future tense and read and demonstrate comprehension of a variety of texts.	Teacher recommendation and/or German II Honors with a minimum course grade of 74%	10-12
GERMAN IV HONORS A&B (1.0 EQP)	This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the German-speaking world.	German III Honors with a minimum course grade of 74% and/or Teacher Recommendation	10-12
AP GERMAN A&B (1.0 EQP)	AP German Language is designed to prepare the student to take the AP Exam, by in-depth study of grammar and intensive practice of listening, speaking, reading, and writing, as well as constant cultural study.	Teacher recommendation and/or German IV Honors	10-12

	https://apstudent.collegeboard.org/apcourse/ap-german-language-and-culture		
SPANISH I A&B	An introduction to the Spanish language, which includes the four language skills: listening, speaking, writing, and reading. These skills will be expanded gradually through the first semester. Introduction to Spanish culture will be an integral part of the course.	None	9-12
SPANISH II A&B	This course is designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the Spanish-speaking world.	Spanish I	9-12
SPANISH III HONORS A&B (.5 EQP)	Designed to increase listening, speaking, writing and reading skills through expansion of knowledge regarding grammatical structure, mastery of reading material and through written and oral usage. The student will be able to participate in activities using oral and written forms, be able to inquire and describe using present, past, and future tense and read and demonstrate comprehension of a variety of texts.	Spanish II with a minimum course average of 74%	10-12
SPANISH IV HONORS A&B (1.0 EQP)	This course is designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the Spanish-speaking world.	Spanish III Honors with a minimum course average of 74%	11-12
AP SPANISH A&B (1.0 EQP)	AP Spanish Language is designed to prepare the student to take the AP language test by in-depth study of grammar, and intensive practice of listening, speaking, reading, and writing, as well as constant cultural study. https://apstudent.collegeboard.org/apcourse/ap-spanish-language	Spanish IV or Teacher Recommendation	12

Fine Arts

ART

Course Title	Course Description	Pre Requisites	Grade
VISUAL ARTS COMPREHENSIVE A&B	Visual Arts Comprehensive introduces art history, art criticism, aesthetic judgment and studio production to the beginning art student. Emphasis is placed on the ability to understand and use the elements of art and principles of design through a variety of art media projects. Students will learn the language of art, how to evaluate their own and others' artwork, and they will study the history of how artists have expressed their lives through a variety of artistic media.	Teacher recommendation	9-12
DRAWING I A&B	Drawing I explores a variety of drawing techniques and media with an emphasis on developing foundation drawing skills. Students will learn the basics of contour line, black and white value, and color value drawing. They will examine solutions to drawing problems by critiquing their own work and the work of other artists; and they will focus on drawing from still life to develop a sense of three-dimensionality and form in their drawing. In the Drawing II class a greater emphasis will be placed on problem solving, creative self-expression, and diverse approaches to drawing; a higher level of drawing proficiency is required in this second course.	Visual Comp Art A&B and Teacher recommendation	10-12
DRAWING II A&B	Drawing II enhances skills developed in Drawing I and provides further exploration of drawing media. Reinforces problem-solving skills, encourages self-expression and a greater sophistication in the use of drawing materials is expected.	VA Comp Art A&B Teacher recommendation	10-12
DRAWING & PAINTING 1 A&B	In Drawing and Painting I students will continue developing their foundation drawing skills, with an emphasis on form and three dimensionality in a variety of black and white and color media drawing projects. A greater emphasis will be placed on self-expression, and a greater sophistication and individual style in the use of drawing media should be developing in the student's work. After nine weeks of drawing, students will focus on developing form and three dimensionality skills in a range of basic painting media and techniques. Students will work on more individualized, advanced projects, with an emphasis on self-expression, and utilize opportunities for competitive exhibition. Students might also create works to include in their portfolio for college admission, or to be included in a portfolio to be submitted to The College Board for the AP Studio drawing exam.	V.A. Comp Art A&B Drawing I & II and Teacher recommendation	11-12
APPLIED DESIGN I A&B	Applied Design is an advanced course which allows students to focus on issues dealing more with design and composition and less with development of media specific skills. Emphasis is placed on the ability to understand and use the elements of art and principles of design through a variety of media processes, both two dimensional and three dimensional. A specific emphasis will be placed on media such as photography, ceramics and sculpture that are not available in the regular curriculum.	VA Comp Art A & B	10-12
AP STUDIO DRAWING A&B (1.0 EQP)	This course covers topics as required by The College Board. Students will produce portfolios of original artwork that demonstrate college level drawing skills in a range of drawing problems, media and approaches. The class provides students with college level studio class experiences and requires self-motivated artistic production outside of class. If students' portfolios receive a high enough score from The College Board, they may be awarded college credit for their portfolio work.	VA Comp A & B Draw I & II and Teacher recommendation	11-12
AP STUDIO 2D DESIGN A&B (1.0 EQP)	This course covers topics as required by The College Board. Students will produce portfolios of original artwork that demonstrate college level 2D design skills in a range of 2D design problems, media and approaches. Many students in this class	Applied Design I & II Teacher recommendation	11-12

	have chosen to develop photography portfolios as their media focus. The class provides students with college level studio class experiences and requires self-motivated artistic production outside of class. If students' portfolios receive a high enough score from The College Board, they may be awarded college credit for their portfolio work.		
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CHORUS

Course Title	Course Description	Pre Requisites	Grade
BEGINNING CHORAL ENSEMBLE I A&B <i>(Serenata)</i>	This course will cover a variety of genres of music at an intermediate high school level for treble voices. Basic knowledge of music theory as well as ear training and sight-reading skills are helpful, though not required. These will be developed further through more intense curriculum. Students are required to sing and participate during all classroom activities. Students are expected to attend all after-school rehearsals and concerts included in the chorus handbook and syllabus.	None No audition required	9-12
INTERMEDIATE CHORAL ENSEMBLE I A&B <i>(Voce Angeli)</i>	This course will cover a variety of genres of music at an intermediate high school level for treble voices. Basic knowledge of music theory as well as ear training and sight-reading skills are helpful, though not required. These will be developed further through a more intense curriculum. Students are required to sing and participate during all classroom activities. Students are expected to attend all after-school rehearsals and concerts included in the chorus handbook and syllabus.	Acceptance by audition	10-12
INTERMEDIATE CHORAL ENSEMBLE II A&B <i>(Camerata)</i>	This course will cover a variety of genres of music at an intermediate high school level for mixed voices. Basic knowledge of music theory as well as ear training and sight-reading skills are helpful, though not required. These will be developed further through a more intense curriculum. Students are required to sing and participate during all classroom activities. Students are expected to attend all after-school rehearsals and concerts included in the chorus handbook and syllabus.	Acceptance by audition	9-12
MEN'S CHORUS A&B	This course is an intermediate choral performance class for male voices. Basic knowledge of music theory as well as ear training and sight-reading skills are helpful, though not required. These will be developed further through a more intense curriculum. Students are required to sing and participate during all classroom activities. Students are expected to attend all after-school rehearsals and concerts included in the chorus handbook and syllabus.	None No audition required	9-12
ADVANCED TREBLE CHORAL ENSEMBLE A&B <i>(Bel Canto)</i>	This course will cover a variety of genres of music at an advanced high school level for treble voices. Students will be expected to have a basic knowledge of music theory as well as ear training and sight-reading skills. These will be developed further through a more intense curriculum. Students are required to sing and participate during all classroom activities. Students are expected to attend all after-school rehearsals and concerts included in the chorus handbook and syllabus.	Acceptance by audition	10-12

BAND

Course Title	Course Description	Pre Requisites	Grade
INTERMEDIATE BAND I A&B <i>(Concert Band)</i>	Course designed for those students beyond the beginning level, but not yet capable of the most advanced literature. Performance demands are not as high as in the Advanced Band, allowing more time for further technical development of individual skills. Advanced students who are unable to meet the rehearsal and performance demands of Advanced Band may choose this course. Extra rehearsals and performances are expected. Audition and director approval required.	Acceptance by teacher	9-12

INTERMEDIATE BAND II (Percussion Ensemble) Fall semester only	The course is offered Fall semester for ninth grade percussionists. Fundamental skill development, introduction to all categories of percussion instruments, and ensemble performances are included in the curriculum.	Acceptance by teacher	9
MASTERY BAND A&B (Wind Symphony)	Course designed for the more advanced high school student. Performance obligations are more intense than in Advanced Band. Development of individual skills is through home practice and /or private study is typical. Extra rehearsals and performances are expected. Audition and director approval required.	Acceptance by teacher	9-12
ADVANCED BAND II A&B (Symphonic Band)	Course designed for the more advanced high school student. Performance obligations are more intense than in Intermediate Band. Development of individual skills is through home practice and /or private study is typical. Extra rehearsals and performances are expected. Audition and director approval required.	Acceptance by teacher	9-12
ORCHESTRA			
Course Title	Course Description	Pre Requisites	Grade
INTERMEDIATE ORCHESTRA A&B (POPE ORCHESTRA)	This course is designed for students in the ninth grade. Students work primarily to further strengthening in the areas of shifting, variations in key and primary rhythmic variations and basic ensemble performance. Students work on level three music as per Georgia Music Educators Association classification.	Acceptance by audition	9-12
ADVANCED ORCHESTRA II A&B (POPE ORCHESTRA II)	Students work primarily on moderately difficult ranges of shifting, key variation and intricate rhythms. In this course, students perform level four music per Georgia Music Educators Association classification.	Acceptance by audition	9-12
CHAMBER ORCHESTRA A&B (POPE SYMPHONY)	<i>This is an audition only course.</i> Driven by highly technical musicians who have taken private lessons and/or are highly motivated who want to pursue a high level of orchestra music. Students work on intricate key signatures, rhythmic variation and technique and highly challenging music levels. In this course, students read and perform level five music as per Georgia Music Educators Association classification.	Acceptance by audition	9-12
MASTERY ORCHESTRA I A&B (POPE SYMPHONY)	<i>This is an audition only course.</i> Driven by highly technical musicians who have taken private lessons and/or are self-motivated to want to pursue a high level of Symphonic music. Students work on the highest level of music available and deal with the most intricate of key signature, rhythmic variation, and technique. In this course, students read a level five and level six music per Georgia Music Educators Association classification.	Acceptance by audition	9-12
Theatre Arts			
Theatre Arts: Fundamentals I	This are course introduces and develops a working basic knowledge of theatre skills including: script analysis, improvisation, theatrical methods, acting, technical theatre, directing, dramaturgy, other art forms, history, theatre business, critiquing, and theatre etiquette. This course offers opportunities performance opportunities.	None	9-12
Theatre Arts: Fundamentals II	<u>Theatre Arts/Fundamentals II</u> enhances level-one skills.	Fundamentals of Drama I and/or Teacher Rec.	10-12
FINE ARTS ELECTIVE			
Course Title	Course Description	Pre-requisites	Grade
AP MUSIC THEORY A&B (1.0 EQP)	This course is designed to teach the analytical aspects of music. Musical form and analysis, compositional techniques, harmony, part writing, sight-reading, and ear training concepts will be the focus of the curriculum discussed. This course will be offered to music students as well as those not currently enrolled in a music class, but have a music background.	Teacher Approval Must have musical background	10-12
MUSIC APPRECIATION I A&B	Music Appreciation I is a study of music literature and styles that is intended to raise awareness of music fundamentals and the role of music in our world. Introduces production and performance; covers terminology and idioms, elements of music,	None	9-12

	perceptive listening and attitudes and appreciation. Stresses the ability to become a literate consumer and the ability to speak and write about music.		
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CTAE			
BUSINESS AND COMPUTER SCIENCE			
Course Title	Course Description	Pre Requisites	Grade
Introduction to Digital Technology A&B	Exposure to foundational knowledge in hardware, software, programming, web design, IT support, networks and emerging technologies are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills, professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students future technology courses.	None	9-12
Introduction to Business & Technology A&B	The course provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Students will learn essentials for working in a business environment, managing a business, and owning a business. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry.	None	9-12
Financial Literacy A&B (Personal Finance)	Students will explore trends in investing, bank accounts, types of credit, types of investments, financial contracts (example: car loans, rental agreements, credit applications, etc.), investment and financial planning, and careers in business finance. The curriculum is supplemented with the <i>Dave Ramsey's – "Financial Peace" – High School Curriculum</i> .	Introduction to Business and Technology preferred	10-12
COMPUTER SCIENCE PRINCIPLES A&B	The course is focused on building an understanding and foundation in computer science. The focus of the course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting information, analyzing problems individually and collaboratively and communicating. Programs, web pages, video, images, documents, infographics will be used to solve and create presentations.	Introduction to Digital Technology	10-12
AP COMPUTER SCIENCE PRINCIPLES A&B (1.0 EQP)	The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science	Teacher recommendation and GSE Algebra I A&B with minimum course average of 85%	10-12
AP COMPUTER SCIENCE A A&B (1.0 EQP)	AP Computer Science A conforms to the College Board syllabus for the Advanced Placement Computer Science Examination. It covers programming methodology, features of programming languages, fundamental data	Teacher recommendation and GSE Algebra II with minimum course average of 85%	10-12

	structures, algorithms, and computer systems. Students will use JAVA as the language for the course.		
PROGRAMMING, GAMES, APPS AND SOCIETY	The course is designed to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life-cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry. Various forms of technologies will be used to expose students to resources, software, and applications of programming. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready.	Teacher recommendation and Introduction to Digital Technology A&B and Computer Science Principles or AP Computer Science A A&B or AP Computer Science Principles A&B	11-12

BROADCAST/VIDEO PRODUCTION

Course Title	Course Description	Pre Requisites	Grade
Audio Video Tech and Film I A&B	This course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics.	None	9-12
Audio Video Tech and Film II A&B	The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics.	None	9-12
Audio Video Tech and Film II A&B	This is the second course in the Broadcast/Video Production pathway. Course topics include: Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics.	Audio Video Tech I	10-12
Audio Video Tech and Film III A&B	This course is the Third in a series to prepare for a career in Broadcast/Video production and/or to transfer to a postsecondary program for further study. Topics include: Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics. Students work cooperatively and independently in all phases of broadcast/video production. Students in this class will produce GNN/Pope TV programming viewed throughout the school 2-3 times per week.	Audio Video Tech II	11-12
Audio Video Tech and Film IV	Students will be responsible for video production projects either in school or after hours. Projects include filming presentations for the Guidance Department, Administrators, Athletic Events, or a variety of other projects	Teacher recommendation and Audio Video Tech III	12

	including Public Service Announcements. Students work independently to produce video projects, within given deadlines.		
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CULINARY ARTS

Course Title	Course Description	Pre Requisites	Grade
INTRODUCTION TO CULINARY A&B	<p>Introduction to Culinary Arts is the foundational course designed to introduce students to fundamental food preparation terms, concepts, and methods. Laboratory practice will parallel class work. Fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. The course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway in Culinary Arts.</p> <p>Mastery of standards through project-based learning, technical skills practice, and leadership development activities of Family, Career and Community Leaders of America, (FCCLA) will provide students with a competitive edge for either entry into the global marketplace and/or the post-secondary institution of their choice to continue their education and training</p>	None	9-12
CULINARY ARTS I A&B	<p>Culinary Arts I is designed to create a complete foundation and understanding of Culinary Arts leading to post-secondary education or a foodservice career. Building from techniques and skills learned in Introduction to Culinary Arts, this fundamentals course begins to involve in-depth knowledge and hands on skill mastery of Culinary Arts.</p> <p>Students are required to purchase a chef hat and coat</p>	Introduction to Culinary Arts A&B	10-12
CULINARY ARTS II A&B	<p>Culinary Arts II is an advanced and rigorous in-depth course designed for the student who has continued the Culinary Arts Pathway and wishes to continue their education at the post-secondary level or enter the foodservice industry as a proficient and well-rounded individual. Strong importance is given to refining hands on production of the classic fundamentals in the commercial kitchen.</p> <p>Students are required to purchase a chef hat and coat</p>	Introduction to Culinary Arts A&B Culinary Arts I A&B	10-12

GRAPHIC ARTS

Course Title	Course Description	Pre Requisites	Grade
INTRODUCTION TO GRAPHICS AND DESIGN A&B	<p>This course is designed as the foundational course for both the Graphics Production and Graphics Design pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout.</p>	None	9-12
GRAPHIC DESIGN AND PRODUCTION A&B	<p>As the second course in the Graphics Communication and Graphics Design Pathways, this course builds on knowledge and skills learned in the Introduction to Graphics and Design course and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications</p>	Introduction to Graphics and Design A&B	10-12
ADVANCED GRAPHIC DESIGN A&B	<p>Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing.</p>	Graphic Design and Production A&B	11-12

	Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities. This is the final course in the Graphic Design pathway.		
ENGINEERING			
Course Title	Course Description	Pre Requisites	Grade
Introduction to Engineering Design (IED) A&B	A high school-level foundation course in the Project Lead the Way (PLTW) Engineering Program. In IED, students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Students are introduced to the engineering design process, applying math, science, and engineering standards to identify and design solutions to a variety of real problems. They work both individually and in collaborative teams to develop and document design solutions using engineering notebooks and 3D modeling software.	None Academy Cohort will be taught as a combined class unless high student number warrants dividing into separate sections.	9-12
Principles of Engineering (POE) A&B (.5 EQP)	A foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, motion, and kinematics. The course applies and concurrently develops secondary-level knowledge and skills in mathematics, science, and technology. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.	Introduction to Engineering Design	10-12
Aerospace Engineering (AE/Aero) (.5 EQP)	Aerospace Engineering is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot.	Introduction to Engineering Principles of Engineering	11-12
Engineering Design and Development (EDD) (.5 EQP)	A <u>capstone</u> course in the PLTW high school engineering program. EDD is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified open-ended problem by applying an engineering design process. The knowledge and skills students acquire throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply	Introduction to Engineering Principles of Engineering Aerospace Engineering	10-12

	the professional skills they have developed to document a design process to standards, ready to take on any post-secondary program or career.		
INTERNSHIP			
Course Title	Course Description	Pre Requisites	Grade
INTERNSHIP I-IV	<p>Internship I –IV is a course that enables students to participate in a mentor-supervised, on-the-job training experience for career awareness/exploration. Students select a specific career field or industry’s entry-level job in which to participate. The Work-based Programs Teacher-Coordinator visits the job mentor to assess student performance and supervises the student in job search skill development. The student maintains a weekly journal, records weekly hours on the job, and must complete program participation forms.</p> <p>LUNCH PERIODS AND CLASS PERIODS WILL NOT BE ADJUSTED BASED ON STUDENT APPROVAL FOR INTERNSHIP.</p> <p>Internship students cannot register for Mentorship or Minimum Morning and/or Minimum Day in the same semester.</p>	<p>Application 2.5 GPA or better On track for graduation Good attendance Teacher recommendation</p>	11-12

PHYSICAL EDUCATION

Course Title	Course Description	Pre Requisites	Grade
Personal Fitness (one Semester) *This course is required for graduation	This course is designed to help students understand why exercise and fitness are important in developing a healthy and active lifestyle. The course is designed to support the development of a higher state of wellness and understanding of fitness strategies. Students spend classroom time learning knowledge and concepts that serve as the foundation for the development of overall wellness and activity time involved in a fitness program. An emphasis is placed on the decision-making process and preventive health care.	None	10-12
Health (one Semester) *This course is required for graduation	This course provides a direct and factual approach to health education that is practical, personal, and positive. Health topics include safety, drug education, nutrition, personal health, growth and development building self-esteem and relationship skills. By acquiring the knowledge, attitudes, and skills necessary to a healthful life, students learn to take responsibilities for their own health. Included in this course is a unit of ADAP (meets the requirement for Driver's Ed.).	None	10-12
Weight Training/ Physical Conditioning A&B	This course introduces students to a program of activities, which promote the development of health, related fitness. The course will provide a balance of instruction each week in developing cardiovascular endurance, flexibility, and muscular strength and endurance. Activities may include aerobic activities, plyometrics, agility exercise, stretching exercises, and weight lifting.	None	9-10
Advanced Weight Training/ Advanced Physical Conditioning A&B	This course is course designed to improve athletic development through speed, agility, plyometric, and quickness drills. Weight lifting is also incorporated.	Teacher recommendation or Weight Training	11-12
Body Sculpting A&B	This course is designed to help students tone and shape their bodies through the use of strength training. The main emphasis will be on the proper use of free weights. Students will be involved in a walk/jog program daily. Cardiovascular and flexibility development will also be emphasized.	None	9-12
Introduction to Team Sports A&B	This course introduces students to the history, rules and regulations, strategy, and basic skills of flag football, soccer, basketball, floor hockey, team handball, and softball.	None	9-10
Advanced Team Sports A&B	This course provides an opportunity for the students to become more proficient in team sports by advancing their level of skill, strategy and officiating.	Introduction to Team Sports A&B	11-12
Introduction to Lifetime Sports A&B	This course introduces students to different lifetime sports. Those from which the selection is made include the following: badminton, bowling, handball, pickle ball, racquetball, tennis, and wall ball. Students will be offered the opportunity to learn the history, rules and regulations, etiquette, strategy and judgment, and the basic motor skills of each selected activity.	None	9-10
Advanced Lifetime Sports A&B	This course is designed for students to refine existing skills and become more aware of the technical aspects of lifetime sports.	Introduction to Lifetime Sports A&B	11-12
Introduction to Outdoor Education A&B (Spring semester course)	This course is designed to introduce students to fundamental backpacking and camping skills to include environmental considerations, personal safety, and survival skills associated with adventure activities. Activities will include some of the following: angling and casting, snow skiing, orienteering, adventure activities, hiking, and camping.	None	9-12
Advanced Outdoor Education A&B (Spring semester course)	This course is designed to further student understanding and experience with outdoor activities, environmental considerations, personal safety, and survival skills associated with adventure activities.	Introduction to Outdoor Education A&B	10-12

ROTC

Course Title	Course Description	Pre Requisites	Grade
<p>JROTC NAVY I, II, III (Cadets are transported to Lassiter H.S.)</p>	<p>Naval Science I introduces students to the Navy JROTC Program, emphasizing leadership, citizenship, patriotism and a disciplined life style. Students participate in academics, close order drill, and physical fitness. The curriculum includes Navy JROTC organization and regulations, introduction to leadership, our nation and its people, sea power and maritime geography, oceanography, naval history, health and first aid. Additionally, students have the opportunity to advance in the Navy JROTC promotion system based on individual merit accomplishments and participation. Normally, first year students achieve the rate of Seamen during their first year. Students can continue to levels II & III.</p> <p>Beginning with the Class of 2021, students who complete 3 full credits/units in JROTC I-III, can earn Personal Fitness .5 credit and Health .5 credit which meets the graduation requirement.</p>	<p>JROTC I A&B – None JROTC II A&B – JROTC I A&B JROTC III A&B – JROTC II A&B</p>	<p>9-12</p>
<p>JROTC NAVY IV (Cadets are transported to Lassiter H.S.)</p>	<p>Naval Science IV begins and ends with advanced leadership techniques to include applying leadership traits and principles. Students continue to develop their close order applying leadership traits and principles. Students continue to develop their close order drill ability and physical fitness and are expected to develop their instructional abilities in these areas. In addition to learning how to apply leadership techniques, Naval Science IV students are leaders within the Navy JROTC unit. Most are billet holders, meaning they are assigned jobs and responsibilities that they perform under the tutelage of the Naval Science Instructor and Associate Naval Science Instructor. Normally students have advanced through the promotion system achieving the rate of Chief Petty Officer, Ensign Lieutenant Junior Grade, Lieutenant, or Lieutenant Commander.</p>	<p>JROTC I A&B JROTC II A&B JROTC III A&B</p>	<p>11-12</p>

MISCELLANEOUS ELECTIVE COURSES

<p>MENTORSHIP I A&B</p>	<p>Mentorship I enable students to serve as an administrative aide during one period of the daily schedule. The student will demonstrate use of clerical skills in performing administrative assistant duties under the leadership/guidance of the school's office personnel. The student also maintains a daily log of hours worked, records journal notations, and exhibits appropriate work ethic behaviors. Must complete an application form.</p>	<p>Application 2.5 GPA or better On track for graduation Teacher recommendation</p>	<p>11-12</p>
<p>MENTORSHIP II A&B</p>	<p>Mentorship II enables students to serve again as an administrative aide during one period of the daily schedule. The student will demonstrate use of clerical skills in performing administrative assistant duties under the leadership/guidance of the school's office personnel. The student also maintains a daily log of hours worked, records journal notations, and exhibits appropriate work ethic behaviors. Must complete an application form.</p>	<p>Application Mentorship I A&B credit 2.5 GPA or better On track for graduation Teacher recommendation</p>	<p>12</p>
<p>MINIMUM MORNING (AM) OR MINIMUM DAY (PM)</p> <p>Non-credit awarded course</p>	<p>Students may be released for only the first or last period of the school day. Students must complete a minimum day form. LUNCH PERIODS AND CLASS PERIODS WILL NOT BE ADJUSTED BASED ON STUDENT APPROVAL FOR MINIMUM DAY.</p> <p>Minimum Morning and/or Minimum Day students cannot register for Mentorship or Internship in the same semester.</p>	<p>Seniors must have earned 17.5 units prior to Fall semester and 19.5 units prior to Spring semester Application submitted by the established deadline the Spring before desired semester(s) enrollment into Minimum Morning and/or Minimum Day</p>	<p>12</p>