

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
CTAE - Business	Financial Literacy	This course explores money management, financial security, credit management, resource management, risk management, and consumer rights and responsibilities to prepare students for making educated personal financial literacy choices.	Seniors Only / None
CTAE - AVTF	Audio & Video Technology & Film I	This course will serve as the foundational course in the Audio & Video Technology & Film pathway. 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.	10th – 11th / None
CTAE - AVTF	Audio & Video Technology & Film II	AVTF II will enhance level-one skills by providing more in-depth and specialized experiences in video and film equipment operation. Students will be working on projects for Warrior Productions. (This is the second course within the Audio/Video Technology and Film Career Pathway.)	10th – 12th / AVTF I
CTAE - AVTF	Audio & Video Technology & Film III	AVTF III enhances level-two skills and provides entry-level occupational skills. Students will be working on projects for Warrior Productions. <i>(This is the third course within the Audio/Video Technology and Film Career Pathway.)</i>	10th – 12th / AVTF II
CTAE - AVTF	Broadcast Video Production Applications	Broadcast Video Production Applications is designed to assist students in mastering skills necessary to gain entry level employment or to pursue a post-secondary degree or certificate. Students will be working on projects for Warrior Productions.	10th – 12th / AVTF III
CTAE - Computer Science or Programming	Introduction to Digital Technology	Introduction to Digital Technology is the foundational course for Web & Digital Communications, Programming, Advanced Programming, Information Support & Services, and Network Systems pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks 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 are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry.	9th - 11th / None
CTAE - Programming	Computer Science Principles	This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. <i>(This is the second course within the Programming Career Pathway.) This course counts as a Science elective and in HOPE GPA)</i>	9th - 12th / IDT

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CTAE - Programming	Programming, Apps, Games and Society	Are you ready to design and develop? The course is designed for high school students 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. <i>(This is the third course within the Programming Career Pathway.) This course counts as a Science elective and in HOPE GPA)</i>	10th - 12th / Computer Science Principles
CTAE - Computer Science	AP Computer Science Principles	AP Computer Science Principles conforms to the College Board syllabus for the Advanced Placement Computer Science Principles Examination. It covers programming methodology, features of programming languages, fundamental data structures, algorithms, and computer systems. This course can earn 4 th Year Science credit for high school graduation requirements, and also meets 4 th Year Science credit for Georgia Board of Regents college admissions.	10th - 12th / None
CTAE - Computer Science	AP Computer Science	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 structures, algorithms, and computer systems. This course can earn 4 th Year Science credit for high school graduation requirements, and also meets 4 th Year Science credit for Georgia Board of Regents college admissions.	10th - 12th / None
CTAE - Construction	Industry Fundamentals Occupational Safety	This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student for the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core.	9th -12th / None
CTAE - Construction	Introduction to Construction	This course is preceded by the Occupational Safety and Fundamentals course. This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety. It introduces them to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas.	9th -12 th / Industry Fundamentals of Occupational Safety
CTAE - Construction	Plumbing I	Plumbing I introduces the skills and knowledge in the plumbing trade. Topics covered include the history of plumbing, reading and evaluation of plumbing blueprints, math for plumbers, and the identification of pipes and fittings and their preparation and installation. <i>(This is the third course for the Plumbing Pathway.)</i>	11th-12th / Introduction to Construction
CTAE - Culinary	Introduction to Culinary Arts	Introduction to Culinary Arts is designed to introduce students to fundamental food preparation terms, concepts, and methods in culinary arts, where laboratory practice will parallel class work. <i>(This is the first course within the Culinary Arts Career Pathway.)</i>	9th - 11th / None

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CTAE - Culinary	Culinary Arts I	Culinary Arts I prepares students for employment in a wide spectrum of food industry careers. The course of study includes the development of skills in food safety and sanitation, accident and injury prevention, kitchen basics, operating and maintaining commercial utensils and equipment, preparation of commercial food items, the art of service, controlling costs, food management functions, and customer relations. <i>(This is the second course within the Culinary Arts Career Pathway.)</i>	10th - 12th / Introduction to Culinary Arts
CTAE - Culinary	Culinary Arts II	Culinary Arts II enhances level-one competencies by providing a broader exposure to the food and hospitality industry. Class experiences build on previous instruction. <i>(This is the third course within the Culinary Arts Career Pathway.)</i>	10th - 12th / Culinary Arts I
CTAE - Drafting	Introduction to Drafting and Design	The Introduction to Drafting and Design course is the foundational course under the Architectural Drafting pathway and Engineering Drawing and Design pathway and prepares students for a pursuit of any career in the field of construction. The course provides the basic knowledge to function safely on or around a construction site and in industry in general. Students will have the option for an Industry Certification in the Construction Core.	9th - 12th / None
CTAE - Drafting	Architectural Drawing and Design I	Architectural Drawing and Design I introduces students to the basic terminology, concepts, and principles of Architectural Design. Emphasis is placed on house designs, floor plans, roof designs, elevations sections and details and foundations. <i>(This is the second course within the Architectural Drafting Pathway.)</i>	9th-12th / Introduction to Drafting and Design
CTAE - Drafting	Architectural Drawing and Design II	Architectural Drawing and Design II builds on the skills developed in the prerequisite course. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations. <i>(This is the third course within the Architectural Drafting Pathway.)</i>	9th-12th / Architectural Drawing and Design I
CTAE - Drafting	Survey of Engineering Graphics	Survey of Engineering Graphics develops skills in dimensioning, tolerancing, pictorials, sections, auxiliary views, and intersection and developments. CAD tools and software are used extensively throughout this course. <i>(This is the second course within the Engineering Drafting and Design Pathway.)</i>	9th-12th / Introduction to Drafting and Design
CTAE - Drafting	3D Modeling and Analysis	3D Modeling and Analysis is designed for students who are interested in mechanical drafting areas that provide more in-depth study of mechanical design. Emphasis is placed on 3-D drawings, wire frames, rendering, solid modeling, and graphic presentations. <i>(This is the third course within the Engineering Drafting and Design Pathway.)</i>	9th-12th / Survey of Engineering Graphics
CTAE - Early Childhood Education	Early Childhood Care Education I	The Early Childhood Education I course is the foundational course under the Early Childhood Care& Education pathway and prepares the student for employment in early childhood education and services. The course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children.	9th -11th / None

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CTAE - Early Childhood Education	Early Childhood Care Education II	Early Childhood Care Education II enhances level one competency in a work-based or laboratory facility by addressing the major responsibilities for the care, guidance, and instruction of young children in an early childhood education setting. The course develops skills for entry-level employment in early childhood-related occupations. Development of an educational portfolio in early childhood education and services is required. Students will have the opportunity to work in the Little Warrior Preschool. <i>(This is the second course within the Early Childhood Education Career Pathway.)</i>	10th-12th / ECE I
CTAE - Early Childhood Education	Early Childhood Care Education III	Early Childhood Care Education III prepares students for employment in early childhood education and services. The course addresses childcare and development issues that include guiding the physical, intellectual, social, and psychological development of children. The course includes the planning of appropriate practices for working with young children. Students will have the opportunity to work in the Little Warrior Preschool. <i>(This is the third course within the Early Childhood Education Career Pathway.)</i>	10th-12th / ECE II
CTAE - Engineering and Technology	Foundations of Engineering and Technology	Foundations of Engineering and Technology provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, and processes of invention and innovation. The course includes individual, team, and group activities. <i>(This is the first course within the Engineering and Technology Career Pathway.)</i>	9th – 11th / None
CTAE - Engineering and Technology	Engineering Concepts	Engineering Concepts introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on activities. <i>(This is the second course within the Engineering and Technology Career Pathway.)</i>	9th – 12th / Foundations of Engineering and Technology
CTAE - Engineering and Technology	Engineering Applications	Engineering Applications enhances skills learned in Engineering Concepts. Students research and/or design an engineering project and complete hands-on activities with tools, materials, and processes as they develop working drawings and prototypes. <i>(This is the third course within the Engineering and Technology Career Pathway.)</i>	10th – 12th / Engineering Concepts
CTAE - Marketing	Marketing Principles	Marketing Principles addresses the ways in which marketing satisfies consumer and organizational needs and wants for products and services. Students develop an understanding of basic marketing concepts to marketing, distribution and logistics, marketing information management, product/service planning, pricing mixes promotional strategies, and personal selling. <i>(This is the first course within the Sports and Entertainment Marketing Career Pathway.)</i>	9th– 12th / None

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CTAE - Marketing	Introduction to Sports and Entertainment Marketing	This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact the industry has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skill, Selling, Marketing Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization. <i>(This is the second course within the Sports and Entertainment Marketing Career Pathway.)</i>	9th – 12th / Marketing Principles
CTAE - Marketing	Advanced Sports and Entertainment Marketing	This course provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topical units include: Marketing Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. <i>(This is the third course within the Sports and Entertainment Marketing Career Pathway.)</i>	9th – 12th / Introduction to Sports and Entertainment Marketing
CTAE - NJROTC	NJROTC I	JROTC Navy I: Naval Science: Cadet Field Manual includes the study of naval heritage, organization, sea power and naval history from colonial times to the 1850s, the study of naval ship missions and organization, an introduction to navigation and maritime geography, basic seamanship including rig and shipboard watch procedures, military drill with rifles, and physical development. Navy leadership principles will be applied to drills and unit organizational duties. An introduction to naval physical fitness and related health topics are covered. Other unit topics include a study of officer and enlisted programs, military drill, commands, and ceremonies. <i>(This is the first course within the Navy Career Pathway.)</i>	9th – 12th / None
CTAE - NJROTC	NJROTC II	JROTC Navy II: Naval Science: Introduction to NJROTC includes the study of nautical plotting, rules and regulations, and aids to navigation, as well as the study of American maritime history from 1860 to the end of World War I. It also introduces students to the organization used to conduct various operations and basic naval communications. Other topics covered include naval career planning, leadership development, oceanography, physical development, military drills, commands, the study of naval intelligence and national security, shipboard evaluations, health and first aid, physical fitness, and military drill and ceremonies. <i>(This is the second course within the Navy Career Pathway.)</i>	9th-12th / NJROTC I

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CTAE - NJROTC	NJROTC III	JROTC Navy III: Naval Science: Maritime History deals with the study of geopolitics and opposing theories and the study of meteorology, astronomy, and naval electronics, which includes basic radar and sonar theory and electrical circuitry. Navy service and career programs, qualities of leadership, and military discipline involving the Code of Conduct are covered. Other topics presented are American democracy, naval history from the end of World War I to the end of World War II, fitness, and an introduction to land survival methods, fitness, and advanced military drill. <i>(This is the third course within the Navy Career Pathway.)</i>	10th-12th / NJROTC II
CTAE - NJROTC	NJROTC IV	JROTC Navy IV: Naval Science: Nautical Sciences is the study of navy career fields for officer and enlisted specialists; and it introduces students to national security strategies, modern naval conflicts, and defense strategy. Naval history from 1950 to the end of the Vietnam period is focused upon, in addition to leadership, military justice, and the international laws of the sea. The development of naval weapons and introduction to gunnery and guided missiles are emphasized, as well as maritime logistics, naval research and development, navy fitness testing, and advanced military drill. Voice commands are introduced to the drills, commands, and ceremonies unit. <i>(This is the fourth course within the Navy Career Pathway.)</i>	10th-12th / NJROTC III
CTAE - NJROTC	NJROTC V	JROTC Navy V: Naval Science: Naval Knowledge furthers the foundation in citizenship and leadership established in Naval Science One/Two and expounds upon the virtues of U.S. citizenship with knowledge of uses for the world's waterways through the viewpoint of national power and international law. <i>(This is the fifth course within the Navy Career Pathway.)</i>	11th-12th / NJROTC IV
CTAE - NJROTC	NJROTC VI	JROTC Navy VI: Naval Science: Naval Orientation and Skills furthers the foundation in citizenship and leadership established in Naval Science One and provides classroom and practical application in naval organization and ships. <i>(This is the sixth course within the Navy Career Pathway.)</i>	11th-12th / NJROTC V
CTAE - NJROTC	NJROTC VII	JROTC Navy VII: Naval Science: Naval Leadership and Skills takes a more in-depth look at what leadership is and enables students to maximize leadership abilities. Students will gain the polish necessary to be a truly effective leader in the NJROTC unit, school, community, as well as in life. <i>(This is the seventh course within the Navy Career Pathway.)</i>	12th / NJROTC VI
CTAE - NJROTC	NJROTC VIII	JROTC Navy VIII: Naval Science: Effective Communications teaches the students the techniques of effective communication, one of the most important skills that a good leader must develop in order to be successful. <i>(This is the eighth course within the Navy Career Pathway.)</i>	12th / NJROTC VII
CTAE - Sports Medicine	Introduction to Healthcare Science	Introduction to Healthcare Science provides students with the initial exposure to healthcare science skills in the areas of health, wellness, and preventive care. Medical terminology, microbiology, and basic life support skills are emphasized. <i>(This is the first course within the Sports Medicine Pathway.)</i>	9th - 12th/ None

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CTAE - Sports Medicine	Essentials of Healthcare Science	Essentials of Healthcare Science is a medical-focused anatomy course addressing the physiology of each body system along with the investigation of common diseases, disorders and emerging diseases. <i>(This is the second course within the Sports Medicine Pathway.)</i>	9th – 12th / Introduction to Healthcare Science - students can also earn an Anatomy/Physiology credit when enrolled in this course. It is highly recommended that students have earned a B or higher in Biology.
CTAE - Sports Medicine	Sports Medicine	Concepts of Physical Medicine enhances students' knowledge of therapeutic sports medicine/rehabilitative medical service skills and attitudes. Fundamental healthcare skills in medical terminology, nutrition, and basic life support are mastered via performance-based activities. <i>(This is the third course within the Physical Medicine Pathway.)</i>	10th – 12th / Essentials of Healthcare Science
CTAE - Criminal Investigations	Introduction to Law, Public Safety, Corrections and Security	This is an introductory course that covers the various agencies and professions in law enforcement, private security, corrections, fire, and emergency management services by examining governmental structure, citizenship rights/duties, and the criminal justice system. <i>(This is the first course within the Criminal Investigations Career Pathway.)</i>	9th – 12th / None
CTAE - Criminal Investigations	Criminal Justice Essentials	This course emphasizes the structure of the American legal system while examining constitutional legal issues. <i>(This is the second course within the Criminal Investigations Career Pathway.)</i>	10th – 12th / Introduction to Law, Public Safety, Corrections and Security
CTAE - Criminal Investigations	Criminal Investigations	This course enables students to develop an understanding of requirements for one to work as a forensic scientist. <i>(This is the third course within the Criminal Investigations Career Pathway.)</i>	10th – 12th / Criminal Justice Essentials
CTAE - Teaching	Examining the Teaching Profession	Examining the Teaching Profession introduces the profession of teaching. It covers the operations and behaviors for effective learning and a variety of teaching strategies. Field experiences under the direct supervisor of an experienced teacher are integrated into the course. <i>(This is the first course within the Teaching as a Profession Career Pathway.)</i>	10th -12th /Application and Teacher recommendations
CTAE - Teaching	Contemporary Issues in Education	Contemporary Issues in Education enhances the skills learned in the first course, and increases the field experiences of working directly with children. <i>(This is the second course within the Teaching as a Profession Career Pathway.)</i>	10th -12th / Examining the Teaching Profession
CTAE - Teaching	Teaching as a Profession Practicum	Teaching As A Profession Practicum is the field experience component of the Education and Teaching Program. It provides students the opportunity to work in an elementary, middle, or high school setting as a teacher assistant. <i>(This is the third course within the Teaching as a Profession Career Pathway.) Students completing this pathway and passing state EOPA have the opportunity to exempt EDUC 2110 in Georgia.</i>	10th -12th / Contemporary Issues in Education

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CTAE - Work Based Learning	Work Based Learning	Internship I is a course that enables students to participate in a mentor-supervised, on-the-job training experience for career awareness and 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 skill development. The student maintains a weekly journal, records weekly hours on the job, and must complete program participation forms. Student may be placed in a paid or non-paid, mentor-supervised, on-the-job training experience.	11th - 12th / On Track for Graduation with a 2.5 or higher GPA, Completion of a Career Pathway or CTAE course, Teacher Recommendations, application required, and student provided transportation. May not be taken in the same semester as Minimum Day, Com Serv, or Mentorship.
Language Arts	9th Lit/Comp	A college prep class which integrates composition, grammar, and literature. It covers the writing process; the development of vocabulary, speaking, listening, and researching skills will also be included.	9 th
Language Arts	Honors 9th Lit/Comp	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 literary genres: short stories, novels, poetry, drama, and nonfiction. It also emphasizes oral and written response to literature.	9 th
Language Arts	Magnet 9th Lit/Comp	An accelerated college prep course designed for magnet students. It integrates writing, grammar and usage, speaking and listening. It includes reading a variety of literary genres: short stories, novels, poetry, drama, and nonfiction. It also emphasizes oral and written response to literature with an emphasis on international works and issues.	9th--Magnet Only
Language Arts	World Lit/Comp	A college prep course which has a balance of literary genres, essay development, and grammar. The development of vocabulary, speaking, listening and research skills will be included.	10 th / 1 unit English credit
Language Arts	Honors World Lit/Comp	An accelerated college prep course designed for the student who has a serious interest in interpreting literature. It includes literary selections from the entire world of writers to promote proficiency through a variety of writing styles. It stresses organization and development of written thought. It includes grammar, mechanics and usage, and research skills and activities designed to enhance speaking and listening abilities.	10 th - 1 unit 9th Lit; 12th- 3 units English
Language Arts	Magnet World Lit/Comp	An accelerated college prep course designed for magnet students. It includes literary selections from the entire world of writers to promote proficiency through a variety of writing styles, as well as a focus on international issues as they are found in a variety of literature. It stresses organization and development of written thought. It includes grammar, mechanics and usage, and research skills and activities designed to enhance speaking and listening abilities.	10th--Magnet Only
Language Arts	American Lit/Comp	A college prep class which surveys American works and authors and will provide writing experiences related to the interpretation of literature. Grammar, vocabulary development, listening, speaking, and research will also be included.	11 th -12 th / 1 to 2 units English credit

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Language Arts	Honors American Lit/Comp	An accelerated college prep course designed for the student who has a serious interest in interpreting literature. It covers a variety of literary genres and multicultural writers in a chronological or thematic pattern. It emphasizes developing control in expository writing (thesis support), moving toward precision in personal narrative, descriptive and persuasive writing, and refining research skills. It covers grammar, mechanics and usage.	11 th -12 th / 2 units English credit
Language Arts	English Lit/Comp	A college prep course which surveys British works and authors and provides writing experiences related to the interpretations of literature. Grammar, vocabulary development, listening, speaking and research will also be included.	11th-12th / 2 units English credit
Language Arts	Honors English Lit/Comp	An accelerated college prep course designed for the student who has a serious interest in interpreting literature. It offers opportunities to improve reading, writing, speaking/listening and critical thinking skills through the study of literary selections from British writers organized chronologically or thematically. It emphasizes developing control in expository writing (thesis support), moving toward precision in personal narrative, descriptive and persuasive writing and refining research skills. It covers grammar, mechanics and usage.	11 th -12 th / 2 units English credit
Language Arts	AP Seminar	This course will equip you with the skills to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. You will have the opportunity to explore real-world issues from multiple perspectives and consider varied points of view to develop deep understanding of complex issues and topics in order to make connections between these issues and your everyday life. Gain a rich appreciation and understanding of issues by reading articles, listening to speeches or broadcasts, and experiencing artistic and literary works.	10th Grade Magnet
Language Arts	AP Language	A college level course that conforms to the College Board recommendations for the Advanced Placement Language and Composition Examination. Emphasizes critical thinking, reading, and writing through the study and discussion of expository, analytical, and argumentative essays. Stresses the connection between reading and writing mature prose.	11 th -12 th (and 10th grade magnet only)
Language Arts	AP Lit/Comp	A college level course that focuses on the reading and analysis of literary works and the writing of critical essays. Each semester is designed as an accelerated and enriching experience in analytical and critical thinking. It also pre-supposes that a student is proficient in composition. It is geared to the student who aspires to take the AP exam.	12 th / 3 units English credit including 1 unit in Am Lit
Language Arts	Journalism/Yearbook	APPLICATION REQUIRED. Students must obtain referral / application from the yearbook room and submit it to the Yearbook teacher by date specified on the application. Students will learn skills necessary to design and produce a yearbook using state-of-the-art programs and equipment. Students will also learn the basics of graphic design, typography, photography, and journalism.	10th – 12th / APPLICATION REQUIRED; approved by Ms. Husband

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Language Arts	Journalism/Newspaper	Students must obtain referral / application from the Newspaper room and submit it to the Newspaper teacher by the date specified on the application. Students will learn the skills necessary to design and produce a newspaper using state-of-the-art programs and equipment. Students will also learn the basics of graphic design, typography, photography, and journalism. Students must enjoy writing and be willing to invest time creating a quality news publication.	10 th – 12 th / APPLICATION REQUIRED; approved by Ms. Lawson or Ms. Kovel
Language Arts	SPEECH I	Focus on thinking, organizing, and communicating. It covers methods to develop and arrange ideas and information in written form for oral delivery. Emphasis will be placed on the development of good written texts as well as oral delivery.	10 th – 12 th / None
Math	CCGPS Coordinate Algebra Y	The fundamental purpose of Coordinate Algebra is to formalize and extend the mathematics that students learned in the middle grades. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Coordinate Algebra uses algebra to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.	9 th / Successful completion of 8 th grade Math with a test average of 75 or higher
Math	CCGPS Coordinate Algebra Y with Support	CCGPS Coordinate Algebra Support is a course designed to assist students with gaps in their math to be successful in the Coordinate Algebra course. The standards for Coordinate Algebra and its support course are identical.	9 th / Successful completion of 8 th grade Math with a test average of 74 or below
Math	Accelerated CCGPS Coordinated Algebra/ Analytic Geometry A	Accelerated CCGPS Coordinate Algebra/Analytic Geometry A is a combination of the 9 th grade course CCGPS Coordinate Algebra and the first half CCGPS Analytic Geometry.	9 th / Successful completion of 8 th grade Math with an A test average
Math	CCGPS Honors Analytic Geometry Y	This course contains all of the standards as the on-level course with a few additional standards and more depth. The course is intended for students that complete Coordinate Algebra in the 8 th grade or excelled in Coordinate Algebra in the 9 th grade.	1 unit CCGPS Coord Algebra
Math	CCGPS Analytic Geometry Y	The second course in the CCGPS sequence. The course embodies a discrete study of geometry analyzed by means of algebraic operations with correlated probability/statistics applications and a bridge to the third course through algebraic topics.	1 unit CCGPS Coord Algebra
Math	CCGPS Geometry Y with Support	CCGPS Analytic Geometry Support is a course designed to assist students with gaps in their math to be successful in the Analytic Geometry course. The standards for Analytic Geometry and its support course are identical.	1 unit CCGPS Coord Algebra, teacher recommendation

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Math	Accelerated CCGPS Analytic Geometry B/Advanced Algebra	This accelerated course consists of the second ½ of CCGPS Analytic Geometry (B) and the entire course of CCGPS Advanced Algebra.	9th– 10th/ Accelerated CCGPS Coordinated Algebra/ Analytic Geometry A
Math	CCGPS Advanced Algebra Y	The culminating course in the sequence. It is designed to prepare students for fourth course options relevant to their career pursuits.	1 unit CCGPS Alg, 1 unit CCGPS Geo
Math	CCGPS Advanced Algebra Y with Support	CCGPS Advanced Algebra Support is a course designed to assist students with gaps in their math to be successful in the CCGPS Advanced Algebra course. The standards for CCGPS Advanced Algebra and its support course are identical.	1 unit CCGPS Alg, 1 unit CCGPS Geo
Math	ACCELERATED CCGPS PRE-CALCULUS	This is a course in pre-calculus and statistics, designed to prepare students to enter college at the calculus level. This course goes into more depth and additional standards than the on-level pre-calculus course.	1 unit AC Math 1, 1 unit AC Math 2
Math	Mathematics of Industry & Government	This 4th year math course option is intended for students attending a 4-yr. university for a non-STEM major. Modeled after operations research courses, Mathematics of Industry and Government allows students to explore decision making in a variety of industries such as: Airline - scheduling planes and crews, pricing tickets, taking reservations, and planning the size of the fleet; Pharmaceutical - R& D management; Logistics companies - routing and planning; Lumber and wood products - managing forests and cutting timber; Local government - deployment of emergency services, and Policy studies and regulation - environmental pollution, air traffic safety, AIDS, and criminal justice policy. Students learn to focus on the development of mathematical models that can be used to model, improve, predict, and optimize real-world systems.	11th-12 th / CCGPS Coord Alg, CCGPS Geo, and CCGPS Advanced Algebra
Math	CCGPS Pre-Calculus	This is a fourth year mathematics course designed to prepare students for calculus and similar college mathematics courses. It requires students to: <ul style="list-style-type: none"> • investigate and use rational functions; • analyze and use trigonometric functions, their graphs, and their inverses; • use trigonometric identities to solve problems and verify equivalence statements; • solve trigonometric equations analytically and with technology; • find areas of triangles using trigonometric relationships; • use sequences and series; • understand and use vectors; • investigate the Central Limit theorem; and • use margins of error and confidence intervals to make inferences from data. 	3 units-Coord Alg, Geo, & Adv Alg; not recommended for students who have been in support courses

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Math	AP Statistics	The course is divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Exploratory analysis of data makes use of graphical and numerical techniques to study patterns and departures from patterns. Probability is the tool used to anticipate future behavior of data associated with a given model. Statistical inference is the process used to make decisions stemming from observed. This course is designed for students who want to pursue studies or careers in the quantitative or scientific fields, or fields that rely on statistical analysis of pertinent data.	11 th – 12 th / Math 3 or AC Math 3
Math	Statistics	On level study of statistics. This course can serve as the 4th math credit for students who have excelled in Adv Alg (with or without support) and who do not wish to take Precalc. Also appropriate for students who have completed the AC math courses and who do not wish to take AP courses.	11 th – 12 th / Coord Alg, Geo, Adv Alg
Math	AP Calculus AB / BC	AB: A course in single-variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course. BC: A course in single-variable calculus that includes all the topics of Calculus AB (techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus) plus additional topics in differential and integral calculus (including parametric, polar, and vector functions) and series. It is equivalent to at least one year of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course. This course is a semester long course.	11 th -12 th / Completed CCGPS Pre-Calculus (Math IV) or AC Math 3
Math	AP Calculus AB	AB: A course in single-variable calculus that includes techniques and applications of the derivative, techniques and applications of the definite integral, and the Fundamental Theorem of Calculus. It is equivalent to at least one semester of calculus at most colleges and universities. Algebraic, numerical, and graphical representations are emphasized throughout the course.	11 th -12 th / Completed CCGPS Pre-Calculus (Math IV) or AC Math 3
Other	Com Service / Learning I and II Y	Application and Teacher Recommendation Required. Provides the opportunity for students to work with a specific teacher as an in class tutor/assistant. May not be taken with Mentorship, Internship, Teaching Apprenticeship, Com Serv or Minimum Day.	Request / Recommendation REQUIRED; May not be taken with Mentorship, Internship, Teaching Apprenticeship, Com Serv or Minimum Day. 11and 12th grade only. 3.0 GPA required

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Other	Minimum Day	Application Required. Minimum Day allows students who are on track for graduation (including having passed ALL required state tests) to leave one campus one period early each day, taking only three courses.	Student must be a Senior with at least 17.5 units prior to the <i>Fall semester</i> and at least 19.5 units prior to the <i>Spring semester</i> . Students must have passed and / or be enrolled in specific courses for high school graduation. Students must also have passed all required graduation tests. May not be taken in the same semester as Mentorship, Internship, TAP or Com Serv. Note: Eligible students must submit a Minimum Day application and have parental permission for participation.
Other	Mentorship Program -Student Aide	Application Required. <u>Mentorship</u> enables 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.	11 th -12 th / Prerequisite - Minimum GPA of 2.5 and on track for graduation, good attendance, good discipline, and 2 teacher recommendations. Students must also complete an application from the Mentorship coordinator. May not be taken in the same semester as Minimum Day, Internship, Com Serv, or TAP. Note: Eligible students must submit a Minimum Day application and have parental permission for participation.
PE	Health / Personal Fitness	Health allows students to understand preventive health strategies as they pertain to personal health, mental health, social health, consumer health, first aid and CPR. Fitness is designed to help students understand why fitness and exercise are important and how to attain efficient fitness levels.	10 th - 12 th / Required for graduation
PE	Team/Lifetime Sports	This course will offer students the opportunity to learn the history, rules and regulations, etiquette, strategy and judgment, and the basic motor skills associated with team sports such as: basketball, volleyball, soccer, softball, hockey, football, team handball, and ultimate Frisbee Course may be taken multiple times.	10th - 12th
PE	General PE	Focuses on and enhances skills in any combination or variety of team sports, lifetime sports, and fitness and recreational games.	9th only

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
PE	Weight Training/ Physical Conditioning/ Adv Wt Training/ Adv Phys Cond	Designed to introduce students to a weight-training program that will promote overall body fitness. The student will be exposed to different types of weight equipment and methods of training with weights. The student will also gain knowledge of the different types of exercises, correct techniques of executing the various exercises, proper breathing and the safety factors involved in spotting. Courses may be taken multiple times.	9th--athletes only by coach's recommendation 10th-12th--all students
PE	Aerobic Dance	Designed to introduce students to a rhythmic program of activities which promote the development of health related fitness. The course will provide a balance of instruction developing cardiovascular endurance, flexibility, and muscular strength and endurance. Activities may include rhythmic jogging, running, aerobic dance, slimmastics, stretching exercises, and creative movement exercises.	9th - 12th / Females only
Science	AP Environmental Science	Scientific systematic examination of the interrelationships of the natural world, taught on the college level. The student will be able to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Magnet Qualified Elective	11 th – 12 th / 1 unit Biology, Chemistry
Science	Astronomy	Astronomy is the study of the matter and energy beyond the earth's atmosphere and the relationship between the earth and that matter and energy. Topics include the structure and origin of planets and planetsimals, stars, galaxies and galaxy clusters, dark matter, the edge of the universe, and the energy of the universe	10 th – 12 th / 1 unit science
Science	Environmental Science	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. Magnet Qualified Elective	10 th – 12 th / 1 unit Biology
Science	Genetics	A systematic approach to the study of heredity mechanisms of cellular reproduction, the genetic materials, Mendelian hereditary principles, human genetics and diseases, how protein are made, and biotechnology. Magnet Qualified Elective	10 th – 12 th / 1 unit Science
Science	Forensic Science	Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence. Magnet Qualified Elective	10 th – 12 th / 1 unit Biology and Chemistry
Science	Honors Human Anatomy & Physiology	A rigorous Honors course for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.	10 th – 12 th / 1 unit Biology

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Science	Human Anatomy & Physiology	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.	10 th – 12 th / 1 unit Biology
Science	Zoology	A systematic study of the animal kingdom and their basic identification characteristics. Emphasis will be placed on comparative anatomy, as well as on the methods that each phyla uses to accomplish the basic life processes.	10 th – 12 th / 1 unit Biology
Science	Physics	A detailed study of energy and its relation to matter, beginning with mechanics (the study of motion) and extending to nuclear, sound, and electromagnetic energies. Electromagnetic energies include optics and electricity and magnetism. Vector mathematics and Algebraic analysis are used extensively. This course will satisfy the graduation requirement of one (1) unit of a physical science or may be used as regular science credit.	10 th -12 th / Coord Alg
Science	Honors Physics	Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.	10 th -12 th / Algebra II
Science	Chemistry	Study of the structure, properties and functions of matter, and is the foundation for a variety of fields of study as well as the basis for much of modern day industry and economics. Because of the abstract nature of atoms and molecules there is a strong conceptual component in its study, including both qualitative and quantitative laboratory work and mathematical analysis.	10 th -12 th / must have C or better in previous math and science
Science	Honors Chemistry	Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.	10 th -12 th / must have B or better in previous math and science
Science	Earth Systems	Designed to continue student investigations that began in K-8 Earth Science and Life Science curricula and investigate the connections among Earth's systems through Earth history. These systems-the atmosphere, hydrosphere, geosphere, and biosphere-interact through time to produce the Earth's landscapes, ecology, and resources. This course develops the explanations of phenomena fundamental to the sciences of geology and physical geography, including the early history of the Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and the history of life on Earth. Instruction will focus on inquiry and development of scientific explanations, rather than mere descriptions of phenomena. Case studies, laboratory exercises, maps, and data analysis will be integrated into units. Special attention will be paid to topics of current interest (e.g., recent earthquakes, tsunamis, global warming, price of resources) and to potential careers in the geosciences.	10 th -12 th
Science	Biology	A recommended course in which the students will learn and understand biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels. Students will also be able to implement applications of biological processes to everyday situations.	9 th -12 th

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Science	Honors Biology	Honors level courses are accelerated courses designed for students interested in pursuing advanced sciences or careers in science, engineering, or medicine.	9 th -12 th
Science	Magnet Biology	Magnet Only--designed to incorporate international and ethical issues in the advanced study of biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels.	9th Magnet Only
Science	AP Physics 1	AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.	11th – 12 th / 2 Units of Science, one of which should be Chemistry. Algebra II recommended.
Science	AP Physics C	The Physics C: Mechanics course is equivalent to a one-semester, calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.	11th – 12 th / 2 Units of Science, one of which should be Chemistry. Calculus is recommended
Science	Scientific Research IV (Advanced Science Research)	Magnet Only. Students will read professional scientific literature and translate this information into applicable research topics and projects. Advanced knowledge and skills acquired from AP Biology, or AP Chemistry, or AP Physics will be applied to topics explored in this course. Students will participate in laboratory research either by developing and executing their own research project or by participating in an on-going research project with a science mentor. The target population will be students who have completed honors courses in Biology, Chemistry, Physics, and at least one AP Science course and have made a commitment to advanced collegiate studies in science. Culmination of this course will be a scientific paper which will be presented to a faculty/community/research panel.	11 th - 12 th / Magnet Only, AP level Science, yearlong paired with AP Environmental Science
Science	Oceanography	The study of ocean composition and structure, and the dynamics of energy within the ocean. Included in the course are the ocean basins, floors, tides, currents, and impact on weather and climate, as well as the interaction with human systems. Marine biology will comprise a small portion of the course	10 th – 12 th / 1 unit of science

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Science	AP BIOLOGY	Designed to be the equivalent of a college introductory biology course. This course differs significantly from the usual first high school biology course with respect to 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 optional Advanced Placement Examination. Magnet Qualified Elective	10 th – 12 th / 1 unit Biology, Chemistry
Science	Intro to Biotechnology	Introduces students to the fundamentals of biotechnology. This course can earn 4 th science credit for high school graduation, as well as Georgia Board of Regents college admissions science requirements.	9th-12th
Social Studies	Sociology	Sociology is a study of human society and social behavior. The purpose of the course is to provide 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.	10 th -12 th / None
Social Studies	Ethnic Studies	Ethnic Studies is intended to make students more aware of their role in society. Students study the role and behavior of various ethnic, religious, racial, and gender groups and how these groups interact to form our diverse, pluralistic society. The objective of the course is to encourage a higher degree of objectivity, tolerance, awareness and understanding for one's own heritage as well as the heritage of others who make up our society.	10 th -12 th / None
Social Studies	Psychology	Designed to introduce a general overview of the principles and concepts of psychology, including learning theory, perception, intellectual, and social development, abnormal behavior, and interpersonal relationships. The purpose of this course is to provide students with a better understanding of the dynamics that shape our own behaviors as well as the behaviors of others.	11 th -12 th /none
Social Studies	AP Psychology	A college level survey course with study in Learning Theory, Abnormal Behavior, and Social Psychology. Extensive reading, writing and statistical analysis are required by students. Magnet Qualified Elective	10 th -12 th / Teacher recommendation
Social Studies	AP Human Geography	This course is designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Examines methods and tools geographers use in their science and practice. Magnet Qualified Elective	10 th – 12 th / Teacher recommendation

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Social Studies	AP European History	Provides students with knowledge of the basic chronology of major events and trends in Europe from 1450 to the present. The course is designed to help students develop an understanding of the principal themes in modern European history. Advanced writing skills are required since students must analyze historical evidence and express historical understanding to prepare for the AP examination. Magnet Qualified Elective	10 th - 12 th / Teacher recommendation
Social Studies	World Geography/Current Issues	Provides an overview of physical and cultural geography. Additionally, an awareness of similarities and differences in human needs and behaviors is developed. Areas of study are North and South America, Europe, Africa, Asia and the Pacific Islands. Current Issues provides an opportunity for in-depth examination of contemporary local, state, national and international issues. The purpose of this course is to assess, assimilate and analyze political and economic situations. Intense reading and detailed research are required	9 th
Social Studies	Honors World Geography/Current issues	Honors level courses are designed for students who have proficiency in geographic skills and concepts. Supplemental reading and writing are required. Current Issues provides an opportunity for in-depth examination of contemporary local, state, national and international issues. The purpose of this course is to assess, assimilate and analyze political and economic situations. Intense reading and detailed research are required	9th/ teacher recommendation
Social Studies	U.S. History	A survey of the development of the United States from discovery through the present. The purpose of this course is to increase knowledge, awareness, and appreciation of America's social, political, and economic evolution from colonization to its current position as a world leader. The student will also be encouraged to think independently. EOCT	11 th
Social Studies	Honors U.S. History	Honors level courses are accelerated courses designed for students interested in pursuing advanced social studies or careers in social studies.	11 th
Social Studies	AP U.S. History	The course conforms to the College Board topics for advanced placement. The course covers United States history from the time of earliest settlements to the present. The course targets political and social aspects of history, but also includes diplomatic, economic and intellectual history. The course will involve extensive readings, independent study and frequent written analysis to prepare students for the AP examination.	11 th / Teacher recommendation
Social Studies	American Government	A study of the local, state, and federal governmental functions. Citizenship rights and responsibilities are emphasized. Focus areas include development of our political system, federalism, civil liberties, political parties, political theory and comparative government. Also, the functions of our executive, legislative, and judicial branches of government will be studied.	12 th / US History

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Social Studies	Principles of Economics	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. EOCT	12 th / US History
Social Studies	Honors American Gov't	Honors level courses are accelerated courses designed for students interested in pursuing advanced careers in social studies	12 th / US History
Social Studies	Honors Principles of Econ	Honors level courses are accelerated courses designed for students interested in pursuing advanced careers in social studies. EOCT	12 th / US History
Social Studies	AP U.S. Government	Conforms to the College Board topics for AP American Government which is the study of local, state, & federal government functions. Focus areas include the development of the political system, federalism, political parties & political theory. Also, the executive, legislative & judicial branches will be studied. This course satisfies the US Gov't graduation requirement.	12 th / US Hist Teacher recommendation
Social Studies	AP Comparative Government	This course conforms to the College Board topics for the Advanced Placement Comparative Government and Politics Examination. The course covers sources of public authority and political power, society and politics, citizen and state, political framework, political change and introduction to comparative politics. Taken all year with AP Macroeconomics	12 th / Required Magnet Course
Social Studies	AP Microeconomics	Conforms to College Board topics for the Advanced Placement Microeconomics Examination. Covers basic economic concepts, the nature and functions of product markets, factor markets and efficiency, equity and the role of government. This course satisfies the Econ graduation requirement.	12 th / Teacher recommendation
Social Studies	AP Macroeconomics	AP Macroeconomics conforms to College Board topics for the AP Macroeconomics Examination. Covers basic economic concepts, measurement and economic performance, national income and price determination and international economics and growth. Taken all year with AP Comparative Government.	12 th / Required Magnet Course
Social Studies	World History	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.	10 th
Social Studies	Honors World History	Honors level courses are accelerated courses designed for students interested in pursuing advanced social studies or careers in social studies. Extensive reading and writing are required.	10 th /Teacher recommendation

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Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Social Studies	AP World History	Conforms to the College Board topics for advanced placement. The purpose of the course is to develop greater understanding of the evolution of global processes and contacts, interaction with different types of human societies. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparison among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Focused primarily on the past thousand years of the global experience, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human state prior to 1000 C.E.	10 th
Social Studies	Magnet Leadership	Provides 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 skills, giving students application and knowledge that will be invaluable for being viable and productive citizens.	9 th / Teacher recommendation; REQUIRED FOR ALL MAGNET STUDENTS
Social Studies	AP Art History	The AP Art History course is equivalent to a two-semester college survey course exploring the nature of art, art making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, students develop in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience, research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art.	Honors or AP social studies
Social Studies	Current Issues	Provides an opportunity for in-depth examination of contemporary local, state, national and international issues. The purpose of the course is to assess, assimilate and analyze political and economic situations. Intense reading and detailed research are required. Students in this class are encouraged to participate	10 th -12 th / None
Social Studies	Gifted Comparative Religions	Comparative Religions compares major religions of the world; covers ethical-philosophical teachings, historical development, social and cultural impact on various societies, and the constructs common to all religions. Integrates and reinforces social studies skills as students explore world religions through research, discussion, evaluation and synthesis of major perspectives. Content, process, and product are differentiated for the gifted student. Magnet Qualified Elective	9 th -12 th / Gifted Eligibility
World Languages	AP French Language	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.	9 th – 12 th / French IV Honors and Dept. Recommendation

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
World Languages	AP Spanish Language	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.	9 th – 12 th / Spanish IV Honors and Dept. recommendation
World Languages	American Sign Language I	introduction to the language and culture of the Deaf Community.. The course will enable the student to attain a beginner's level of proficiency in communication with the Deaf and Hearing Impaired.	9 th – 12 th / None
World Languages	American Sign Language II	designed to further develop communication with the Deaf and Hearing Impaired well as an appreciation of diversity in the Deaf and Hard of Hearing community..	9 th – 12 th / ASL 1
World Languages	American Sign Language III (Honors)	Enhances Level II American Sign Language (ASL) skills. This course is designed to increase receptive and expressive sign language skills. Expands all ASL II concepts and understanding of the complexities within the language.	10th-12th/ASL 2
World Languages	American Sign Language IV (Honors)	Enhances Level III American Sign Language (ASL) skills and provides an opportunity to continue the development of receptive and expressive signing skills. Provides continued study of ASL linguistic features.	11th-12th/ASL 3
World Languages	Chinese I (Mandarin)	An introduction to the language and culture of China. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading and writing, with an emphasis on oral proficiency.	9 th – 12 th /None
World Languages	Chinese II (Mandarin)	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 Chinese-speaking world.	9 th – 12 th / Chinese I
World Languages	Chinese III Honors (Mandarin)	Designed to further develop the student's communication skills and cultural appreciation of the Chinese-speaking world. The student will be able to participate in a variety of oral and written activities.	9 th – 12 th / Chinese II
World Languages	French I	An introduction to the language and culture of France and other French-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	9 th – 12 th / None
World Languages	French II	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 French-speaking world.	9 th – 12 th / French I
World Languages	French III Honors	Designed to further develop the student's communication skills and cultural appreciation of the French-speaking world. The student will be able to participate in a variety of oral and written activities.	9 th – 12 th / French II
World Languages	French IV Honors	Designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the French-speaking world.	9 th – 12 th / French III Honors

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
World Languages	French V Honors	Focus on the development of fluent communication using authentic materials from French-speaking countries such as newspapers, magazines, and web sites.	9 th – 12 th / French IV Honors
World Languages	French VI Honors	Designed to expand the student's conversational skills, to improve pronunciation and listening comprehension, and enable the student to read longer selections in authentic French.	9 th – 12 th / French IV Honors and Dept. Recommendation
World Languages	French VII Honors	Emphasizes French achievements in cuisine, art, music, history, medicine, and technology.	9 th – 12 th / French IV Honors and Dept. Recommendation
World Languages	German I	An introduction to the language and culture of Germany and other German-speaking countries and will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	9 th – 12 th / None
World Languages	German II	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 German-speaking world.	9 th – 12 th / German I
World Languages	German III Honors	Designed to further develop the student's communication skills and cultural appreciation of the German-speaking world. The student will be able to participate in a variety of oral and written activities.	9 th – 12 th / German II or Dept. recommendation
World Languages	German IV Honors	Designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the German-speaking world.	9 th – 12 th / German III Honors or Dept. recommendation
World Languages	German V Honors	Focus is on the development of fluent communication using authentic materials from German-speaking countries such as newspapers, magazines, and web sites.	9 th – 12 th / German IV Honors or Dept. recommendation
World Languages	German VI Honors	Designed to expand the student's conversational skills, to improve pronunciation and listening comprehension, and to enable the student to read longer selections in authentic German.	9 th – 12 th / German IV Honors or Dept. recommendation
World Languages	Japanese I	An introduction to the language and culture of Japan. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	9 th – 12 th / None
World Languages	Japanese II	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 Japanese-speaking world.	9 th – 12 th / Japanese I
World Languages	Japanese III Honors	Designed to further develop the student's communication skills and cultural appreciation of the Japanese-speaking world. The student will be able to participate in a variety of oral and written activities.	9 th – 12 th / Japanese II
World Languages	Japanese IV Honors	Designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the Japanese-speaking world.	9 th – 12 th / Japanese III Honors or Dept. recommendation

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
World Languages	Japanese V Honors	Focus is on the development of fluent communication using authentic materials from Japanese-speaking countries such as newspapers, magazines, and web sites.	9 th – 12 th / Japanese IV Honors or Dept. recommendation
World Languages	Japanese VI Honors	Designed to expand the student's conversational skills, to improve pronunciation and listening comprehension, and to enable the student to read longer selections in authentic Japanese.	9 th – 12 th / Japanese IV Honors or Dept. recommendation
World Languages	Latin I	An introduction to the language and civilization of the Romans. The course is designed to develop a knowledge base composed of vocabulary, grammar, translation, derivatives, mottoes, abbreviations, quotations, life in ancient Rome and mythology.	9 th – 12 th / None
World Languages	Latin II	Designed to develop reading comprehension of texts written in Latin. The course will provide additional study of grammar, vocabulary, translation, derivatives, mythology, and Roman civilization.	9 th – 12 th / Latin I
World Languages	Latin III Honors	Designed to provide the student with the opportunity to understand works of classical authors with emphasis on prose selections. Additionally, the student will study grammar, prepare translations, and study the culture and history corresponding to the period in which the literary selections were written.	9 th – 12 th / Latin II
World Languages	Latin IV Honors	Designed to provide the student with the opportunity to understand the works of classical authors with primary emphasis on epic poetry selections. Course work will include transitional readings, grammar review, a study of the mechanics of Latin poetry, and translations from the Roman author Vergil.	9 th – 12 th / Latin II
World Languages	Latin V Honors	Designed to provide the student with the opportunity to understand the works of classical authors with primary emphasis on lyric poetry selections. Course work will include transitional readings, grammar review, a study of the mechanics of Latin lyric poetry, and translation techniques.	9 th – 12 th / Latin II
World Languages	Latin VI Honors	Designed to provide the student with the opportunity to understand the works of classical authors with primary emphasis on drama selections. Course work will include transitional readings, grammar review, a study of the mechanics of Latin drama, and translation techniques.	9 th – 12 th / Latin II
World Languages	Portuguese I	An introduction to the Portuguese language and culture. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading and writing, with an emphasis on oral proficiency.	9 th – 12 th / None
World Languages	Portuguese II	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 Portuguese-speaking world.	9 th – 12 th / Portuguese I
World Languages	Portuguese III	Designed to further develop the student's communication skills and cultural appreciation of the Portuguese-speaking world. The student will be able to participate in a variety of oral and written activities.	9 th – 12 th / Portuguese II
World Languages	Spanish for Native Spanish Speakers I	Designed for the Spanish Heritage Speaker and will focus on advanced skills in reading, writing, listening, and speaking. Essay development and novel reading are integral to this course.	9 th – 12 th / Dept. recommendation

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
World Languages	Spanish for Native Spanish Speakers II	Designed for the Spanish Heritage Speaker and will focus on advanced skills in reading, writing, listening, and speaking. Essay development, novel reading, and an in-depth study of culture, literature, and history of the Spanish-speaking world are integral to this course.	9 th – 12 th / Spanish for Native Speakers I
World Languages	Spanish I	An introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable the student to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.	9 th – 12 th / None
World Languages	Spanish II	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.	9 th – 12 th / Spanish I
World Languages	Spanish III Honors	Designed to further develop the student's communication skills and cultural appreciation of the Spanish-speaking world. The student will be able to participate in a variety of oral and written activities.	9 th – 12 th / Spanish II
World Languages	Spanish IV Honors	Designed to increase oral and written fluency and to provide intensive study of the culture, geography and history of the Spanish-speaking world.	9 th – 12 th / Spanish III Honors or Dept. Recommendation
World Languages	Spanish V Honors	Focus is on the development of fluent communication using authentic materials from Spanish-speaking countries such as newspapers, magazines, and web sites.	9 th – 12 th / Spanish IV Honors and Teacher recommendation
World Languages	Spanish VI Honors	Designed to expand the student's conversational skills, to improve their pronunciation and listening comprehension, and to enable them to read longer selections in authentic Spanish.	9 th – 12 th / Spanish IV Honors and Dept. recommendation
Fine Arts	Intermediate Orchestra	<u>Intermediate Orchestra I</u> is an intermediate string instrument performance class for instrumentalists that have previous experience. Students can read music and have an understanding of individual and ensemble performance skills.	Audition and teacher recommendation
Fine Arts	Advanced Orchestra	The objectives for this class are to further develop musicianship in an ensemble, and to continue to develop more advance techniques. This group performs at the highest level, which requires students to spend more time outside of class developing their musical skills.	Audition and teacher recommendation
Fine Arts	Mastery Orchestra	The objectives for this class are to further develop musicianship in an ensemble, and to continue to develop more advance techniques. This group performs at the highest level, which requires students to spend more time outside of class developing their musical skills.	Audition and teacher recommendation
Fine Arts	Intermediate Band	This band performs level IV, V music and focuses on individual and ensemble performance. This course is for the advancing musician and <u>generally</u> reserved for grades 10-12.	Director recommendation
Fine Arts	Advanced Band	This is our most advanced performing ensemble for serious musicians. Students perform the most difficult literature available. Private lessons and a professional line instrument are recommended.	Director recommendation

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Fine Arts	Mastery Band	This is our most advanced performing ensemble for serious musicians. Students perform the most difficult literature available. Private lessons and a professional line instrument are recommended.	Director recommendation
Fine Arts	Intermediate Mixed Chorus	Previous choral experience preferred but not required. Intermediate performance class for male and female voices that focuses on basic fundamentals of tone production, music reading, and part singing	Audition by director
Fine Arts	Advanced Mixed Chorus	This is one of our most advanced choral ensembles. A good work ethic and the ability to get along with others are a must for admission to this group. This group sings a very wide variety of challenging music and is the group that most often goes out into the community to perform.	Previous choral experience and audition by director
Fine Arts	Advanced Women's Chorus	This is one of our most advanced choral ensembles. A good work ethic and the ability to get along with others are a must for admission to this group. This group sings a very wide variety of challenging music and is the group that most often goes out into the community to perform. Focuses on continued development of proper choral tone, exposure to a wide variety of choral literature, and continued instruction concerning musical terms and concepts.	Previous choral experience and audition by director
Fine Arts	DRAMA: Fundamentals I	Serves as prerequisite for other theatre/drama courses. Develops and applies performance skills through basic vocal, physical and emotional exercises; includes improvisation and scene study and related technical art forms.	9th - 12th / None
Fine Arts	DRAMA: Acting I	Introduces advanced acting process. Stresses developing imagination, observation, concentration powers and self-discipline. Includes developing physical and vocal control while transmitting emotions, conviction and ideas; enhances self-confidence and self-awareness. Focuses on scene study.	9th-12th/ Fundamentals I
Fine Arts	DRAMA: Acting II	Enhances level-one skills with emphasis on classical and historical scene study.	9 th -12 th / Acting I
Fine Arts	DRAMA: Fundamentals II	Enhances level-one skills by producing and studying children's theatre in depth with performance opportunities.	10 th -12 th / Fund of Drama I and/or Director's recommendation
Fine Arts	DRAMA: Fundamentals III	Enhances level-two skills by producing and studying literature as related to theatre. Provides opportunities for performance with focus on language arts classes.	11 th -12 th / Fund of Drama II and/or Director's recommendation
Fine Arts	DRAMA: Fundamentals IV	Introduces the historical development of theater focusing on performance styles and period literature.	11 th -12 th / Fund of Drama III and/or Director's recommendation
Fine Arts	DRAMA: Adv Drama I	Introduces acting and theatre as disciplined art forms; covers methods to observe and understand human behavior and to use those observations to create a character. Includes basic techniques of stage movement and use of physical expression for communication. Enhances vocal technique and specific patterns for better verbal communication.	11 th -12 th / Fund of Drama III and/or Director's recommendation
Fine Arts	DRAMA: Adv Drama II	Focuses on continued development of observation skills for character creation. Uses historical, textual and improvisational studies.	11 th -12 th / By audition or Fund of Drama III or IV and/or director's recommendation

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Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Fine Arts	VA: Comprehensive Art	This class introduces art history, criticism & studio production. It emphasizes the ability to understand & use the elements of art & principles of design through a variety of media processes and visual resources.	9 th – 11 th / None
Fine Arts	VA: Drawing & Painting I	Introduces drawing & painting techniques and a variety of drawing & painting media. Emphasizes development of drawing & painting skills and utilizes problem solving skills to achieve desired results.	9 th – 12 th / VA Comprehensive Art
Fine Arts	VA: Drawing & Painting II	Introduces advanced drawing and painting techniques and focuses on individual expression. Problem solving skills are challenged to achieve mastery of techniques and materials. Exhibition and presentation opportunities are provided.	10 th -12 th / Comprehensive Art plus Drawing I or Drawing & Painting I.
Fine Arts	AP 2D Design Y	<u>Advanced Placement Studio Art: 2-D Design</u> conforms to College Board topics for the Advanced Placement Studio Art 2-D Design Portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of a concept or idea. Emphasizes experiences in 2-D Design art production which might include (but not limited to) photography, printmaking & computer generated work. This course provides students with college-level studio experiences and encourages self-expression.	VA Comp, Ceramics I, Sculpture I, Teacher Recommendation
Fine Arts	AP 3D Design Y	<u>Advanced Placement Studio/3-D Design</u> conforms to College Board topics for the Advanced Placement Studio Art Drawing Portfolio Examination. Requires submission of original works & slides to be evaluated on quality, breadth & concentration of an idea or concept. Emphasizes experiences using different 3-D design, media and approaches. This course provides the students with college level studio experiences and encourages self expression	VA Comp, Ceramics I, Sculpture I, Teacher Recommendation
Fine Arts	VA: Applied Design I	Emphasizes design elements and principles in the production of art products such as architecture, advertisements, graphic designs, environmental designs and product designs. Stresses proper use of equipment and vocabulary and technical terms. Investigates the computer and its influence on and role in creating contemporary designs. Includes a cultural and historical study of master design works of different periods and styles.	9 th – 12 th / VA Comprehensive Art
Fine Arts	VA: Applied Design II	Enhances level-one skills and provides opportunities to apply design elements and principles in the production of art products such as architecture, advertisements, graphic designs, environmental designs and product designs. Uses board- and computer-generated designs for art products; covers how to create designs and plan their presentation.	VA Applied Design 1
Fine Arts	VA: Applied Design III	Enhances level-two skills and provides further opportunities to apply design elements and principles in the production of art products such as architecture, advertisements, graphic designs, environmental designs and product designs. Uses board- and computer-generated designs for art products; covers how to create designs and plan their presentation.	VA Applied Design II

Elective Course Descriptions for 2018-2019

Dept	COURSE TITLE	COURSE DESCRIPTION	COURSE PREREQUISITE
Fine Arts	VA: Applied Design IV	Enhances level-three skills and provides opportunities to apply design elements and principles in the production of art products such as architecture, advertisements, graphic designs, environmental designs and product designs. Uses board- and computer-generated designs for art products; covers how to create designs and plan their presentation.	VA Applied Design III