Milton High School

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Home of the Eagles

COURSE CATALOG

For Academic School Year 2024 – 2025

The Milton High School Learning Community will provide a safe, supportive, and challenging learning environment that fosters academic and personal excellence for all students as they prepare to succeed in the 21st century.

FULTON COUNTY BOARD OF EDUCATION

All information is current as of ***August 2024***

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FULTON COUNTY SCHOOL SYSTEM
Graduation Requirements

CORE AREAS	UNITS OF CREDIT	COURSES
Language Arts	**4**	1 unit of 9th grade Literature and Composition 1 unit of 11th/American Literature and Composition 2 additional units, including equivalent AP/DE courses
Science	**4**	1 unit of Biology 1 unit of Physical Science or Physics 1 unit of Chemistry, Earth Systems, Environmental Science, or AP/DE Science 1 unit of an approved 4th science, including an AP/DE Science or course on approved list: **GA DOE Fourth Science Options**
Mathematics	**4**	1 unit of Algebra 1 unit of Geometry 1 unit of Algebra 2 or Advanced Algebra 1 additional math unit (Pre-Calculus or any higher-level mathematics course, including AP/DE)
Social Studies	**3**	1 unit of World History 1 unit of United States History ½ unit of Economics ½ unit of American Government/Civics *(excludes AP Comparative Government)*
World Language* AND/OR CTAE (Career, Technical and Agricultural Education) AND/OR Fine Arts**	**3**	World Language – Japanese, French, Latin, and Spanish CTAE - Entrepreneurship, Sports Medicine, Surgical Technology, Engineering & Technology, Food & Nutrition, Teaching as a Profession, Audio-Video Technology and Film, Nutrition and Food Science, Forensic Science, Computer Science Fine Arts - Art, Drama, and Music
Health/Physical Education	**1**	½ unit of Health ½ unit of Personal Fitness
Electives	**4**	4 additional elective courses
TOTAL UNITS (Minimum):	**23**	

*Students planning to enter or transfer into a University System of Georgia institution or other post-secondary institution must take two units of the same world language.
**Students wishing to receive industry certification in certain areas under Career, Technical and Agricultural Education programs must follow specific pathways.

The above represent minimum graduation requirements

Georgia Milestones End of Course Tests (EOC)

The following courses have an End of Course test: Algebra, US History, American Lit/Comp, Biology. They must take the Georgia Milestones EOC and it will count as 20% of the course grade. **This includes students taking American Literature or Biology through Dual Enrollment.**

Sample Schedules

Sample Freshman Schedules

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Physical Science	Physical Science
World Language	World Language
Personal Fitness	Health
Elective	Elective

OR

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Physical Science	Physical Science
AP Govt (9th)	AP Govt (9th)
Personal Fitness	Health
Elective	Elective

Sample Sophomore Schedules

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Biology	Biology
World History	World History
World Language	World Language
Elective	Elective

OR

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Biology H	Biology H
AP World History	AP World History
World Language	World Language
Elective	Elective

Sample Junior Schedules

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Chemistry	Chemistry
US History	US History
World Language	World Language
Elective	Elective

OR

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Physics	Physics
AP US History	AP US History
Elective or WL	Elective or WL
Elective	Elective

Sample Senior Schedules

Fall Semester	Spring Semester
Language Arts	Language Arts
Math	Math
Science	Science
Economics	Government
Elective	Elective
Elective	Elective

OR

Fall Semester	Spring Semester
AP Language Arts	AP Language Arts
AP Math	AP Math
AP Science	AP Science
AP Economics	AP Government
Elective or WL	Elective or WL
Elective	Elective

Career Pathways at Milton

CAREER TECH	COURSES REQUIRED:
Allied Health (Healthcare Science)	Intro to Healthcare Science, Essentials of Healthcare, Surgical Technician/Sports Medicine, Medical Internship (Work-Based Learning)
Business	Intro to Business & Tech, Legal Environment of Business, Entrepreneurship
Computer Science	Intro to Software Technology, AP Computer Science Principles, AP Computer Science A
Law Enforcement Services	Intro to law, public safety, corrections, and security, Forensic Science, Criminal Justice Essentials
Nutrition and Food Science	Food Nutrition & Wellness, Food Science, Food for Life
Work-Based Learning (WBL)	WBL 1 & 2 Hour Off Campus, Medical Internship, Teaching Assistants
FINE ARTS	**COURSES REQUIRED:**
Music Performance Instrumental	3 courses in instrumental/vocal music and/or AP Music Theory with at least one course at level 2 or higher
Music Performance Vocal	3 courses in instrumental/vocal music and/or AP Music Theory with at least one course at level 2 or higher
Theatre Arts	3 courses in theatre arts with at least one course at level 2 or higher
Visual Arts 2D	Intro to Art (Visual Arts Comp 1), 3 courses in Draw/Paint, Graphics and/or AP Drawing and/or AP 2D Design with at least one course at level 2 or higher
Visual Arts 3D	Intro to Art (Visual Arts Comp 1), 3 courses in Ceramics, Sculpture and/or AP Drawing and/or AP 3D Design with at least one course at level 2 or higher
JOURNALISM	**COURSES REQUIRED:**
Journalism Newspaper	Minimum of 3 distinct courses in the publication and/or Photo I-III and/or Graphics I-IV with at least one course at level 2 or higher
Journalism Annual	Minimum of 3 distinct courses in the publication and/or Photo I-III and/or Graphics I-IV with at least one course at level 2 or higher
WORLD LANGUAGES	**COURSES REQUIRED:**
Japanese	3 Japanese courses OR 2 Japanese courses plus AP Japanese
French	3 French courses OR 2 French courses plus AP French
Latin	3 Latin courses OR 2 Latin courses plus AP Latin
Spanish	3 Spanish courses OR 2 Spanish courses plus an AP Spanish course
ADVANCED ACADEMIC	**COURSES REQUIRED:**
Mathematics	4 courses in Mathematics with at least one AP or post-secondary course AND 2 sequential courses in a world language
English/Language Arts	4 courses in English/Language Arts with at least one AP or post-secondary course AND 2 sequential courses in a world language
Science	4 courses in Science with at least one AP or post-secondary course AND 2 sequential courses in a world language
Social Studies	4 courses in Social Studies with at least one AP or post-secondary course AND 2 sequential courses in a world language.

Course Descriptions

*** = Course is calculated into the HOPE GPA**

**** = Course is calculated into the HOPE GPA *and* counts as a HOPE Rigor Course**

English & Language Arts					
Course Title	**Semester 1**	**Semester 2**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
9th Literature and Composition*	23.0610001	23.0610002	9	None	Reading strategies, interpretation of literature, writing, vocabulary, and grammar.
9th Literature Honors and Composition*	23.0610041	23.0610042	9	Teacher Recommendation	Advanced reading strategies, interpretation of literature, writing, vocabulary, and grammar.
10th Literature and Composition*	23.0630001	23.0630002	10	9th Lit	Study of world literature and informational texts; an exploration of commonalities and differences among works of literature from different times and places around the world. Narrative, argument and synthesis writing; vocabulary and grammar instruction.
10th Literature Honors and Composition*	23.0630041	23.0630042	10	9th Lit, Teacher Recommendation	Advanced study of world literature and informational texts; an exploration of commonalities and differences among works of literature from different times and places around the world. Narrative, argument and synthesis writing; vocabulary and grammar instruction.
11th/American Literature*	23.0510001	23.0510002	11	9th Lit & 10th Lit	Reading strategies, interpretation of American literature, vocabulary, writing, and grammar.
11th American Literature Honors and Composition*	23.0510041	23.0510042	11	10th Lit, Teacher Recommendation	Advanced reading strategies, interpretation of American literature, vocabulary, writing, and grammar.
AP Language/11th American Lit and Composition**	23.0530001	23.0530002	11	10th Lit, Teacher Recommendation	Advanced college level study of authors' styles and techniques, survey of American literature, review of writing skills, vocabulary, and preparation for AP exam.
AP Language & Composition** *(must have the American Literature course complete)*	23.0430001	23.0430002	12	11th Lit, Teacher Recommendation	Advanced college level study of authors' styles and techniques, review of writing skills, vocabulary, and preparation for AP exam.
AP Literature & Composition**	23.0650001	23.0650002	12	11th Lit, Teacher Recommendation	Advanced college level study of literature and critical approaches, review of writing skills, vocabulary, and preparation for AP exam.
Dramatic Writing for Theatre, Film, and Television* *NOTE: This course earns dual credit both as an on-level Theatre elective and an Honors Level ELA Course.*	52.0920001	52.0920002	12	3 Years of High School ELA credit (preferably at least one at the honors level), Teacher Recommendation indicating strong work ethic.	Year-long on-level 12th grade core English course where students will learn how to write for theatre, film, and television. Students will make skillful use of narrative storytelling techniques through the writing of plays, television scripts, and film screenplays.
Multi-Cultural Literature and Composition*	23.0670001	23.0670002	12	English 9th, 10th, & 11th	Extensive analysis of literature by and about people of diverse ethnic backgrounds; research project; writing modes and genres, and essential conventions for reading, vocabulary, grammar, writing, and speaking.
Journalism Annual*	23.0320003	23.0320004	9-12	Application and approval from Yearbook Advisor	Study of photo journalism and production of school yearbook. Students will work together to conceptualize and create the schools yearbook.

AP Seminar**	23.0380001	23.0380002	11-12	Teacher Recommendation	**Counts as 4th English Credit.** AP Seminar is a foundational course that engages students in cross-curricular conversations where they can 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. They synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision so they can craft and communicate evidence-based arguments. Exploring different points of view and making connections across disciplines are fundamental components of the AP Seminar experience. Students consider one topic or issue from multiple perspectives, many of which are divergent or competing. Analyzing topics through multiple lenses aids in interdisciplinary understanding and gives students a rich appreciation for the intricacy of important issues.
AP Research ELA**	23.0370001	23.0370002	11-12	AP Seminar must be taken before AP Research	In this full-year elective course, students will utilize research and inquiry methodology to develop, manage, and conduct an in-depth study or investigation of an area of their own interest, culminating in a 4,000-5,000 word paper. Students will then present (using appropriate media), and defend the research design, approach, and findings. The AP score is determined from the research paper and presentation. **The English version of AP Research**.

Mathematics					
Course Title	**Semester 1**	**Semester 2**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
Algebra: Concepts and Connections*	27.0811001	27.0811002	9	Math 8	This course is designed as the first course in a three-course series. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning.
Geometry: Concepts and Connections*	27.0821001	27.0821002	10	Algebra	This course is designed as the second course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

Advanced Algebra: Concepts and Connections*	27.0831001	27.0831002	11	Geometry	This course is designed as the third course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.
Precalculus*	27.0841001	27.0841002	12	Algebra 2	The course provides students with the opportunity to develop a deeper understanding of concepts in Algebra that are critical to the study of Calculus as well as an understanding of trigonometry and its applications. Throughout the course there will be a focus on notational fluency and the use of multiple representations. The course includes the study and analysis of piecewise and rational functions; limits and continuity as related to piecewise and rational functions; sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of trigonometric equations in a variety of contexts; and the manipulation and application of trigonometric identities.
AP Precalculus**	27.0741001	27.0741002	11 or 12	Algebra 2 Honors	The course centers on functions modeling dynamic phenomena. Students also learn that functions and their compositions, inverses, and transformations are understood through graphical, numerical, analytical, and verbal representations, which reveal different attributes of the functions and are useful for solving problems in mathematical and applied contexts. In turn, the skills learned in this course are widely applicable to situations that involve quantitative reasoning. Students learn that a function is a mathematical relation that maps a set of input values— the domain—to a set of output values—the range—such that each input value is uniquely mapped to an output value. Students understand functions and their graphs as embodying dynamic covariation of quantities, a key idea in preparing for calculus. With each function type, students develop and validate function models based on the characteristics of a bivariate data set, characteristics of covarying quantities and their relative rates of change, or a set of characteristics such as zeros, asymptotes, and extrema. This type of understanding helps students to engage with both familiar and novel contexts. See Precalculus course description above for additional topics.

Calculus**	27.0780001	27.0810002	12	Precalculus and Teacher Recommendation	The course provides students with the opportunity to develop an understanding of the derivative and its applications as well as the integral and its applications. Throughout the course there will be a focus on notational fluency and the use of multiple representations. The course includes the study and analysis of limits and continuity as applied to a variety of functions; the derivative as related to limits and continuity; various derivative rules such as product, quotient, and chain; applications of the derivative including curve analysis, applied max/min situations, related rate problems, and use of Mean Value Theorem; the definite integral as a limit of Riemann sums; properties of definite integrals; the Fundamental Theorem of Calculus as it relates derivatives and integrals; techniques of integration including u-substitution; and applications of the integral including solving separable differential equations, finding a particular solution curve given an initial condition, area between curves on a coordinate plane, and average value situations..
Advanced Mathematical Decision Making**	27.0850001	27.0850002	12	Algebra 2	Advanced Mathematical Decision Making (AMDM) is designed to follow the completion of Advanced Algebra: Concepts and Connections or an equivalent course. The course will give students further experiences with statistical information and summaries, methods of designing and conducting statistical studies, an opportunity to analyze various voting processes, modeling of data, basic financial decisions, and use network models for making informed decisions.
AP Calculus AB**	27.0720001	27.0720002	11-12	Accelerated Precalculus Honors and Teacher recommendation	Topics in AP Calculus AB include limits and their properties; derivatives and differentiation applications; anti-derivatives and indefinite integration; area and definite integrals; integration by substitution; the trapezoidal rule; logarithmic, exponential, and other transcendental functions; applications and methods of integration; miscellaneous topics in Calculus AB. This course is equivalent to a college-level Calculus I course.
AP Calculus BC**	27.0730001	27.0730002	11-12	Accelerated Precalculus Honors and Teacher Recommendation	Topics in AP Calculus BC include all topics from AP Calculus AB as well as applications of integration involving work and arc length; parametric equations; analysis of acceleration and velocity vectors; applications of slope fields to differential equations; analysis of geometric, harmonic, p-series and alternating series; and approximations of polynomials with Taylor and Maclaurin series. This course is equivalent to college-level Calculus I and Calculus II courses.
AP Statistics**	27.0740001	27.0740002	11-12	Precalculus	Topics in AP Statistics include introduction to statistics; descriptive statistics; probability; probability distributions; normal probability distributions; estimates and sample size; hypotheses testing; inferences from two samples; correlation and regression; multinomial experiments; analysis of variance; statistical process control; nonparametric statistics; design and sampling. Students are required to do a fair amount of reading and are expected to use the textbook as a primary source of information. Likewise, there is a major emphasis on writing rather than algebraic manipulation. This course is equivalent to introductory college-level Statistics

Science					
Course Title	**Semester 1**	**Semester 2**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
Biology*	26.0120001	26.0120002	9-10	None	This curriculum includes abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, and biological evolution. Students investigate biological concepts through experience in laboratories and field work using the processes of inquiry. Major concepts and skills include: classification, the characteristics of science, structure and function of the six kingdoms, matter-energy relationships, DNA/RNA, homeostasis, Heredity, ecosystems, and biological evolution.
Biology Honors*	26.0120041	26.0120042	9-10	Teacher Recommendation	This curriculum includes abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, and biological evolution. Students investigate biological concepts through experience in laboratories and field work using the processes of inquiry. Major concepts and skills include: classification, the characteristics of science, structure and function of the six kingdoms, matter-energy relationships, DNA/RNA, homeostasis, Heredity, ecosystems, and biological evolution. There is a heavier focus on understanding concepts and data analysis in preparation for advanced sciences.
Physical Science*	40.0110001	40.0110002	9-10	None	This course is designed as a survey course of chemistry and physics. This curriculum includes the 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. Major concepts and skills include: classifications of matter, atomic theory/configuration, periodicity, bonding/nomenclature, chemical reactions, Law of conservation of matter, solutions, acid/base chemistry, phase changes, Laws of motion and forces, energy transformation, electrical/magnetic forces, and wave properties.
Physical Science Honors*	40.0110041	40.0110042	9-10	Teacher Recommendation	This course is designed as a survey course of chemistry and physics. This curriculum includes the 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. Major concepts and skills include: classifications of matter, atomic theory/configuration, periodicity, bonding/nomenclature, chemical reactions, Law of conservation of matter, solutions, acid/base chemistry, phase changes, Laws of motion and forces, energy transformation, electrical/magnetic forces, and wave properties. There is a heavier focus on understanding concepts and data analysis in preparation for advanced sciences.

Chemistry**	40.0510001	40.0510002	10-11	Teacher Recommendation	This curriculum includes abstract concepts such as the structure of atoms, structure and properties of matter, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. Major concepts and skills include: classifications of matter, atomic theory/configuration, periodicity, bonding/nomenclature, chemical reactions, Law of conservation of matter, empirical/molecular formulae, stoichiometry, kinetic molecular theory/phase changes, gas laws, solutions/concentrations, acid/base chemistry.
Honors Chemistry**	40.0510041	40.0510042	10-11	Teacher Recommendation	This curriculum includes abstract concepts such as the structure of atoms, structure and properties of matter, and the conservation and interaction of energy and matter. Students investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. Major concepts and skills include: classifications of matter, atomic theory/configuration, periodicity, bonding/nomenclature, chemical reactions, Law of conservation of matter, empirical/molecular formulae, stoichiometry, kinetic molecular theory/phase changes, gas laws, solutions/concentrations, acid/base chemistry. There is a heavier focus on understanding concepts and data analysis in preparation for advanced sciences.
Physics**	40.0810001	40.0810002	11-12	Teacher Recommendation	This curriculum includes abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students investigate physics concepts through experience in laboratories and field work using the processes of inquiry. Major concepts and skills include kinematics, energy and its transformations, Electricity, magnetism, wave properties.
Human Anatomy & Physiology Honors**	26.0730041	26.0730042	12	Biology & Chemistry	The sciences of anatomy and physiology are the foundation for understanding the structures and functions of the human body. Students will investigate how the body constantly regulates its internal environment and how the various individual systems that compose the human body cooperate with one another to maintain the health of the body as a whole. Areas of study include the organization of the body, protection, support and movement, providing internal coordination and regulation, processing and transporting, and reproduction, growth, and development. Students will also establish a basic vocabulary that allows them to speak about the body in a way that is understood by scientists and health care professionals alike.
Environmental Science*	26.0611001	26.0611002	11-12	Biology & Physical Science/Chemistry	Environmental science is an interdisciplinary course of how nature works and how things in nature are interconnected. The following themes are central to the study of environmental science: sustainability; natural resources; natural resource degradation; solutions to environmental problems; tradeoffs in finding acceptable solutions; the importance of individual actions in implementing solutions; and sound science. Areas of study include the interconnection of all life, the flow of energy and cycling of matter, the stability and change in an ecosystem, conservation and resource allocation, and the evaluation of human activity and technology on the environment.

Earth Systems*	40.0640001	40.0640002	11-12	Biology & Physical Science/Chemistry	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 should focus on inquiry and development of scientific explanations, rather than mere descriptions of phenomena. Case studies, laboratory exercises, maps, and data analysis should be integrated into units. Special attention should be paid to topics of current interest (e.g., recent earthquakes, tsunamis, global warming, price of resources) and to potential careers in the geosciences. Major Concepts/Skills: Earth origin, composition, and structure, Plate tectonics and the rock cycle, Landscape evolution, Geologic hazards, Sedimentary environments, Geologic time and correlation, Earth and life history, Life-environment relationships, Hydrologic cycle, Insolation and global heat distribution, Weather and climate, Matter/energy cycles, Mineral and fossil fuel resources.
AP Biology**	26.0140001	26.0140002	11-12	Biology & Chemistry	Students should have successfully completed Biology and Chemistry. The course is based on four Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. The following are Big Ideas: • The process of evolution explains the diversity and unity of life. • Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis. • Living systems store, retrieve, transmit, and respond to information essential to life processes. • • Biological systems interact, and these systems and their interactions possess complex properties. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

AP Chemistry**	40.0530001	40.0530002	11-12	General Chemistry & Algebra II	The key concepts and related content that define the AP Chemistry course and exam are organized around underlying principles called the Big Ideas. They encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the particulate nature of matter underlying the observations students make about the physical world. The following are Big Ideas: • The chemical elements are the building blocks of matter, which can be understood in terms of the arrangements of atoms. • Chemical and physical properties of materials can be explained by the structure and the arrangement of atoms, ions, or molecules and the forces between them. • Changes in matter involve the rearrangement and/or reorganization of atoms and/or the transfer of electrons. • Rates of chemical reactions are determined by details of the molecular collisions. • The laws of thermodynamics describe the essential role of energy and explain and predict the direction of changes in matter. • Bonds or attractions that can be formed can be broken. These two processes are in constant competition, sensitive to initial conditions and external forces or changes. Twenty-five percent of instructional time is devoted to inquiry-based laboratory investigations. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

AP Environmental Science**	26.0620001	26.0620002	10-12	Biology & Teacher Recommendation	The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. There are several unifying themes that cut across topics. The following are course themes: • Energy conversions underlie all ecological processes. • The Earth itself is one interconnected system. • Environmental problems have a cultural and social context • Human survival depends on developing practices that will achieve sustainable systems. Twenty-five percent of instructional time is devoted to inquiry-based laboratory investigations. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.
AP Physics I**	40.0831001	40.0831002	11-12	Geometry & be concurrently taking Algebra II or an equivalent course.	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. Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. The following are Big Ideas: • Objects and systems have properties such as mass and charge. Systems may have internal structure. • Fields existing in space can be used to explain interactions. • The interactions of an object with other objects can be described by forces. • Interactions between systems can result in changes in those systems. • Changes that occur as a result of interactions are constrained by conservation laws. • Waves can transfer energy and momentum from one location to another without the permanent transfer of mass

AP Physics C: Mechanics**	40.0841011	40.0841012	12	Calculus	AP Physics C: Mechanics is equivalent to a one-semester, calculus based, college-level physics course, 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. The AP Physics C: Mechanics course applies both differential and integral calculus and provides instruction in each of the following six content areas: • Kinematics • Newton's laws of motion • Work, energy and power • Systems of particles and linear momentum • Circular motion and rotation • Oscillations and gravitation AP Physics C: Mechanics should include a hands-on laboratory component comparable to a semester-long introductory college level physics laboratory. Students should spend a minimum of 20 percent of instructional time engaged in hands-on laboratory work. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Each student should complete a lab notebook or portfolio of lab reports.
AP Physics C: Electricity**	N/A	40.0842002	12	AP Physics C: Mechanics	AP Physics C: Electricity and Magnetism is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course.

Social Studies

A Social Studies class is not required at the 9th grade level. AP Government for 9th grade and AP Human Geography (both year-long) are only suggested for those students who are ADVANCED in reading comprehension, writing, critical thinking and analysis. Both AP courses are the equivalent of a college level introductory course that requires a great deal of outside work. Students are only allowed to register for these courses as a 9th grader with the recommendation of their teacher.

Course Title	Semester 1	Semester 2	Grade(s)	Prerequisite(s)	Course Description
AP U.S. Government and Politics** *(year-long course for teacher recommended 9th graders only)*	45.0520001	45.0520002	9	Teacher Recommendation	The AP course in U.S. Government and Politics is a year-long course. It is designed to assist students in becoming knowledgeable about the Constitution, the varied political beliefs and behaviors which shape U.S. government, the role of political parties and interest groups, the organization and power of Congress, the president, the bureaucracy, the federal courts, and the development of civil rights and liberties. Students will expand their knowledge by participating in moot courts, mock trials, debates, panel discussions, current issues discussions, and mock elections. In order for a student to be successful in this class, he/she should possess these specific skills: ability to read college level texts independently; ability to critically analyze written materials; ability to take notes and move rapidly through material; ability to work independently outside of class with disciplined work habits; ability to recognize new ideas and perspectives, with a willingness to learn about and respect differences of opinion. Outside commitments: reading and completing study guide materials 4-5 nights a week. Additional performance tasks will require reading and research. This class is comparable to an introductory college political science course and satisfies the state of Georgia American Government graduation requirement.
AP Human Geography**	45.0770001	45.0770002	9-12	Teacher Recommendation	Human Geography is a branch of geography that deals with the way humans interact with their environment. We will study demographics, migration, linguistics, religion, political geography, urbanization and industrialization. Specific skills for success: above average reading ability and above average writing skills. Outside commitments: vocabulary quizzes and bi-weekly map quizzes in addition to nightly textbook reading. This is an elective course that is equivalent to a college course and will be more rigorous than a middle school TAG course or a high school honors course.
World History*	45.0830001	45.0830002	10	None	The high school world history course provides students with a comprehensive, intensive study of major events and themes in world history. Students begin with a study of the earliest civilizations worldwide and continue to examine major developments and themes in all regions of the world. The course culminates in a study of change and continuity and globalization at the beginning of the 21st century. Topics include prehistoric culture, ancient civilizations, classical civilizations, the medieval world, the Age of Exploration, Enlightenment, French Revolution, decline of colonial empires in America, Industrial Revolution, nationalism and imperialism, totalitarianism, WWI, WWII, and the modern world.

AP World History**	45.0811001	45.0811002	10	Teacher Recommendation	In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Strong analysis and writing skills are recommended.
U. S. History*	45.0810001	45.0810002	11	None	The high school United States history course provides students with a comprehensive, intensive study of major events and themes in United States history. Beginning with early European colonization, the course examines major events and themes throughout United States history. The course concludes with significant developments in the early 21st century. Topics include colonization, the revolutionary and colonial eras, manifest destiny, Civil War and reconstruction, urbanization and Industrialism, progressive era, imperialism, WWI & WWII, The Cold War, Vietnam, and the Decades of 1950 – 2000.
AP U.S. History**	45.0820001	45.0820002	11	Teacher Recommendation	In AP U.S. History, students investigate significant events, individuals, developments, and processes in 9 historical periods from 1491 to present. Students develop and use the same skills and methods employed by historians: analyzing primary/secondary sources, developing historical arguments; making historical connections; and utilizing reasoning about comparison causation, and continuity & change over time. The course also provides 8 themes that students explore throughout the course in order to make connections among historical developments in different times and places. APUSH is equivalent to a two-semester college seminar course in U.S. History. Students should be able to read, critically think, and write at the college level; as well as possess the organizational and study skills expected at the college-level. Students should also consider their entire course load when choosing classes, as to ensure balance in their schedule.
Sociology* *(Semester-Long)*	45.0310001		11-12	None	This is an academic elective course. The emphasis of Sociology is to show the complexity of social life with its inter-connections between social events and conditions. Topics will include culture and socialization, the institutional structure of society, stratification and race relations and understanding social change. The course will also cover social problems in the U.S. and how they affect the individual and society as a whole. Crime, poverty, race and ethnic relations will be studied as well.

AP Comparative Gov. & Politics** *(Semester-Long)*	45.0530011		11-12	Teacher Recommendation	The AP Comparative Government and Politics course detailed in this framework reflects what comparative political science teachers, professors, and researchers agree that a college-level comparative government and politics course should teach students to do: define and describe major political concepts, analyze patterns of political processes and behavior and their consequences, and compare and contrast political institutions and processes across countries. The AP Comparative Government and Politics Course and Exam Description defines what representative colleges and universities typically expect students to know and be able to do in order to earn college credit or placement. Students practice the skills used by comparative political scientists by studying data, political writings from different countries, and the processes and outcomes of politics in a variety of country settings. Students will show mastery of these skills on the AP Exam through various means, including applying concepts, analyzing data, comparing countries, and writing political science arguments. Students study six countries in AP Comparative Government and Politics: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students who have interest in the fields of government, politics, international relations, and/or have interest in working for non-governmental organizations internationally will enjoy this course.
AP Psychology** *(Year-Long)*	45.0160001	45.0160002	11-12	Teacher Recommendation	The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. The AP Psychology course is designed to be the equivalent of the Introduction to Psychology course usually taken during the first college year.
Personal Finance & Economics* *(Semester-Long)*	45.0610001		12	U.S. History	In addition to the fundamentals of economic decision-making, microeconomics, macroeconomics, and international economics, students will learn personal finance skills they can apply to their own futures – including managing and balancing budgets; understanding and building credit; protecting against identity theft and consumer protections; and understanding tax forms, student loan applications, and pay stubs. Economics is the study of how individuals, businesses, and governments make decisions about the allocation of scarce resources. This course provides students with a foundation in the field of economics, with a specific focus on how students can apply that knowledge to their own personal finances.

AP Macroeconomics** *(Semester-Long)*	45.0620001	12	U.S. History & Teacher Recommendation	AP Macroeconomics is a semester-long introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Extensive math skills are not required; however, students must learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. In order for a student to be successful in this class, he/she should possess these specific skills: ability to read college level texts independently; ability to critically analyze graphs; ability to take notes and move rapidly through material; ability to work independently outside of class with disciplined work habits. This semester-long course will prepare students for the AP Macroeconomics exam in May and also satisfies the Georgia graduation requirement for Economics.
AP Microeconomics** *(Semester-Long)*	45.0630001	12	U.S. History & Teacher Recommendation	AP Microeconomics is a fast paced, semester-long, college-level course that focuses on the decision making of individuals and businesses. In this semester-long course, students will study a variety of economic theories and analyze their practical application in the real world. Microeconomics focuses on the supply and demand for products, the labor markets, and the role competition plays in a free market system. Extensive math skills are not required; however, students must learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. In order for a student to be successful in this class, he/she should possess these specific skills: ability to read college level texts independently; ability to critically analyze graphs; ability to take notes and move rapidly through material; ability to work independently outside of class with disciplined work habits. AP Micro is comparable to an introductory college microeconomics course and will prepare students for the AP Microeconomics exams in May. This course also satisfies the Georgia graduation requirement for Economics.
American Government/Civics* *(Semester-Long)*	45.0570001	12	None	The state-mandated American Government course provides students with a background in the philosophy, functions, and structure of the United States government. Students examine the philosophical foundations of the United States government and how that philosophy developed. Students also examine the structure and function of the United States government and its relationship to states and citizens. The course will cover U.S. constitutional principles, the branches of the federal government, factors influencing the political process, the role of the media and political parties, civil rights and responsibilities, and the United States' role in foreign policy. Students will construct and evaluate arguments, use documents, political cartoons, charts/graphs, and primary source data to analyze points of view, analyze and interpret information, evaluate government at the state and local levels, and use current events to reinforce their learning of American Government.

AP U.S. Government & Politics** *(Semester-Long for seniors only fulfills the state requirement for American Government)*	45.0520001	12	Teacher Recommendation	The AP course in U.S. Government and Politics is a semester- long course. It is designed to assist students in becoming knowledgeable about the Constitution, the varied political beliefs and behaviors which shape U.S. government, the role of political parties and interest groups, the organization and powers of Congress, the president, the bureaucracy, the federal courts, and the development of civil rights and liberties. Students will learn about precedent setting Supreme Court cases, read, analyze, and interpret foundational documents, learn how to read, analyze, and interpret charts, graphs, political cartoons and document excerpts, may participate in simulations and debates, read and analyze current issues, take notes from lectures, and answer multiple choice and free response questions. In order for a student to be successful in this class, he/she should possess these skills: ability to read college level texts independently; ability to critically analyze written works; ability to take notes and move rapidly through material; ability to work independently outside of class with disciplined work habits; ability to recognize perspectives, with a willingness to learn about and respect differences of opinion. Outside commitments: reading and completing study guide materials 4-5 nights a week, working approximately 45 minutes - one hour a night; complete a civic action project; additional performance tasks that will require reading and research. This class is comparable to an introductory college political science course and satisfies the state of Georgia American Government graduation requirement.

World Language					
Course Title	**Semester 1**	**Semester 2**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
French I*	60.0110001	60.0110002	9-12	None	Sound systems, French alphabet, familiar words and phrases, greetings, family and friends, numbers and time, dates, weather/seasons, food/meals, city life, shopping, leisure, and culture.
French II**	60.0120001	60.0120002	9-12	French 1	School and class routines, family and relations, self and daily routines, clothing, body parts, shopping, money, banking, directions, community sites, food, meals, transportation, holidays, vacations.
French II Honors**	60.0120041	60.0120042	9-12	French 1, Teacher Recommendation	In-depth study of all topics in French 2 with heavy emphasis on listening and speaking proficiency with additional authentic francophone sources; beginning preparation for AP French.
French III**	60.0130001	60.0130002	10-12	French 2, Teacher Recommendation	Daily routines, family relations, history, geography, travel, accommodations, festivals, leisure time, food, current events, careers, aspects of art and literature.
French III Honors**	60.0130041	60.0130042	10-12	French 2, Teacher Recommendation	In-depth study of all topics in French 3 with heavy emphasis on listening and speaking proficiency with additional authentic francophone sources; continuing preparation for AP French.
French IV Honors**	60.0140041	60.0140042	11-12	French 3, Teacher Recommendation	Intense development of communicative, cultural, and advanced grammatical competence; final preparation for AP French; near-exclusive use of French in class.
AP French Language and Culture**	60.0170001	60.0170002	11-12	French 3, Teacher Recommendation	College-level course that provides intense preparation for the AP Language and Culture exam using authentic francophone sources; in-depth reading, writing, speaking, and listening on themes of global challenges, science and technology, contemporary life, families and communities, identities, and beauty; exclusive use of French in class.
Japanese I*	62.0310001	62.0310002	9-12	None	This course assumes no prior experience with Japanese. Japanese 1 introduces basic structures of grammar and vocabulary while touching on the four major language skills of speaking, listening, reading, and writing. Students will begin to use novice presentational skills both individually and grouped. Major themes include school, family, pastimes, weather, and clothing as well as an introduction to geography and Japanese culture. Daily practice is required for successful completion in order to be prepared for Japanese 2 and beyond.
Japanese II**	62.0320001	62.0320002	9-12	Japanese I	This course assumes successful completion of Japanese 1. Japanese 2 expands on the four major skills of speaking, listening, reading, and writing while integrating more complex grammar and vocabulary structures. Students will continue to practice their rehearsed presentational skills while moving away from scripted presentations. Major themes include childhood and family, travel, food, and media as well as further study of the geography and the Japanese culture. Daily practice is required for successful completion in order to be prepared for Japanese 3 and beyond.

Japanese II Honors**	60.0320041	60.0320042	9-12	Teacher Recommendation	This course assumes both successful completion and Japanese 1 and teacher recommendation. Japanese 2 Honors follows the Japanese 2 curriculum at a faster pace, allowing for expansion on vocabulary, grammar, and culture topics presented. Numerous authentic materials are used throughout the course to supplement reading and listening activities. This academically demanding course is designed for highly motivated students who do not require multiple repetitions of lessons. Students are challenged with more open-ended and higher-order thinking assignments which require them to create with the language. Instruction is completed entirely in Japanese.
Japanese III**	62.0330001	62.0330002	10-12	Japanese II	This course assumes successful completion of Japanese 1 and 2. Japanese 3 is a rigorous course which introduces many new tenses while integrating those tenses studied in Japanese 1 and 2. There is a focus on synthesizing prior knowledge with more complex structures as students work towards a conversational level of communication. Presentational skills are further developed as to include impromptu speaking situations. Major themes include environment, fashion, interpersonal relationships, outdoor activities, holidays, and politics. More thorough study of the Japanese culture will be integrated throughout the course. Daily practice is required for successful completion in order to be prepared for Japanese 4 Honors and beyond.
Japanese III Honors**	62.0340041	62.0340042	10-12	Teacher Recommendation	This course assumes both successful completion and Japanese 1 and 2 and teacher recommendation. Japanese 3 Honors follows the Japanese 3 curriculum at a faster pace, allowing for expansion on vocabulary, grammar, and culture topics presented. Numerous authentic materials are used throughout the course to supplement reading and listening activities. This academically demanding course is designed for highly motivated students who do not require multiple repetitions of lessons. Students are challenged with more open-ended and higher-order thinking assignments which require them to create with the language. Instruction is completed entirely in Japanese.
Japanese IV Honors**	62.0340041	62.0340042	11-12	Teacher Recommendation	This course assumes both successful completion of Japanese 1, 2, 3 and teacher recommendation. Japanese 4 Honors follows the Japanese 4 curriculum at a faster pace, allowing for expansion on vocabulary, grammar, and culture topics presented. Numerous authentic materials are used throughout the course to supplement reading and listening activities. This academically demanding course is designed for highly motivated students who do not require multiple repetitions of lessons. Students are challenged with more open-ended and higher-order thinking assignments which require them to create with the language. Instruction is completed entirely in Japanese.
AP Japanese**	62.0196001	62.0196002	11-12	Teacher Recommendation	In this course, students will learn how to use the four language skills (speaking, listening, reading, and writing) in real-life situations. Students will engage in discussions, interviews, and debates, give presentations and write articles on a variety of topics throughout the course. The language will be studied as a whole through content-based themes such as Japanese history, tradition contemporary culture, and social issues.

Spanish I*	60.0710001	60.0710002	9-12	None	Numbers, weather, colors, celebrations, family, routines, self, school, clothing, shopping, food, transportation, body parts, health/emotions, animals, leisure time, sports, geography.
Spanish II**	60.0720001	60.0720002	9-12	Spanish I	Leisure time, travel, food/restaurants, fine arts, news, childhood experiences, family, celebrations, daily routines, beach, chores, and health; Spanish-speaking countries and Latino culture in the U.S.
Spanish II Honors**	60.0720041	60.0720042	9-12	Teacher Recommendation	In-depth study of all topics in Spanish 2 with heavy emphasis on listening and speaking proficiency with additional authentic Spanish-language sources; beginning preparation for AP Spanish.
Spanish III**	60.0730001	60.0730002	10-12	Spanish 2	Vacations and hobbies, health and diet, urban life and culture, music, geography and politics, clothing, celebrations, household, environment, occupations, and fashion; Spanish- speaking countries and Latino culture in the U.S.
Spanish III Honors**	60.0730041	60.0730042	10-12	Teacher Recommendation	In-depth study of all topics in Spanish 3 with heavy emphasis on listening and speaking proficiency with additional authentic Spanish-language sources; continuing preparation for AP Spanish.
Spanish IV Honors**	60.0740041	60.0740042	11-12	Teacher Recommendation	Intense development of communicative, cultural, and advanced grammatical competence; final preparation for AP Spanish; near-exclusive use of Spanish in class.
Spanish AP Language and Culture**	60.0770001	60.0770002	12	Teacher Recommendation	College-level course that provides intense preparation for the AP Language and Culture exam using authentic Spanish- language sources; in-depth reading, speaking, and listening on themes of global challenges, science and technology, contemporary life, families and communities, identities, and beauty; exclusive use of Spanish in class.
Spanish Native Speaker*	60.0790001	60.0790002	9-12	Placement Test	Students will exchange a variety of oral and written information and ideas in Spanish on topics related to contemporary events and issues, utilizing cultural references where appropriate. They will initiate, sustain, and close oral and written exchanges in Spanish, applying familiar vocabulary and structures to new situations. They will participate in extended oral and written activities using the appropriate tenses and discourse structures. They will comprehend spoken and written language on new and familiar topics presented through a variety of media in Spanish, including authentic materials. They will investigate the similarities and differences that exist within and among Spanish-speaking cultures and expand knowledge of the English language through the study and analysis of the Spanish language.
Latin I*	61.0410001	61.0410002	9-12	None	Latin pronunciation, vocabulary and derivatives; basic grammar, reading, mythology; Roman history, culture, and art; Pompeii; Alexandria; Roman Britain.
Latin II**	61.0420001	61.0420002	10-12	Latin 1	Further study of pronunciation, vocabulary, derivatives; Latin grammar, reading, mythology; Roman history and culture – Roman Britain, Roman military, building and engineering, entertainment, society, the city of Rome, the Roman forum.
Latin II Honors**	61.0420041	61.0420042	10-12	Teacher Recommendation	In-depth study of all topics in Latin 2; in addition, literary analysis of texts from original Roman history.

Latin III Honors**	61.0430041	61.0430042	11-12	Teacher Recommendation	Further study of the Latin language, including grammar, vocabulary, and literature. Students also study Roman history, culture, mythology, and religion by reading original ancient texts.
Latin IV**	61.0440001	61.0440002	11-12	Latin 3	Further study of the Latin language and ancient Roman culture, including grammar, vocabulary, derivatives, literature, history, and culture. Students will survey authentic Latin texts including Livy, Horace, Catullus, Ovid, Vergil, and Caesar.
AP Latin**	61.0470001	61.0470002	11-12	Teacher Recommendation	College-level course that provides intense preparation for the AP Latin exam; intense study of Virgil's Aeneid (history of the Roman people) and Gaius Julius Caesar's De Bello Gallico (history of the Gallic ward).

Career & Technology Education

Course Title	Semester 1	Semester 2	Grade(s)	Prerequisite(s)	Course Description
Introduction to Healthcare Science	25.5210001	25.5210002	9-10	None	This course will enable students to receive initial exposure to many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as is the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology and basic life support. First course in Sports Medicine and Surgical Technology Pathways. ** This class does not fill the Health course requirement for graduation**
Essentials of Healthcare** *(This course earns 2 credits: 1 CTAE, 1 Science)*	25.4400011	25.4400012	10-12	Introduction to Healthcare	Anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders, and emerging diseases. Second course in Sports Medicine and Surgical Technology Pathways. **This course will also count as a full Science credit for Human Anatomy.**
Surgical Technician	25.4470001	25.4470002	11-12	Introduction to Healthcare and Essentials of Therapeutic Services	Fundamental surgical technician skills and knowledge, including safety, infection control, surgical equipment, surgical terminology, perioperative procedures, instruments, and sterilization. Third course in Surgical Technology Pathway.
Sports Medicine	25.4460001	25.4460002	11-12	Introduction to Healthcare and Essentials of Therapeutic Services	Anatomy and physiology assessment, preventative and rehabilitative care, medical terminology, kinesiology, patient assessment, record keeping, and basic life support. Third course in Sports Medicine Pathway.
Intro to Business & Technology	07.4413001	07.4413002	9-12	None	Join the Eagles Nest Enterprises School Store staff by joining Intro to Business and Tech! Students will create products to sell in the school store plus gain work, leadership and marketing experience. Students have the opportunity to learn how to use a Cameo machine, Glowforge laser printer, heat press, embroidery machine and hat press to make and market t-shirts, jewelry, keychains, ornaments, beanies, patches, hats and small gifts. Additional topics include steps to employment (resume, references, emails), business characteristics, ownership, communication, finance, human resources, leadership, international business, marketing. First course in Entrepreneurship Pathway. Students are encouraged to join and participate in FBLA (Future Business Leaders of America).

Legal Environment of Business	06.4150001	06.4150002	10-12	Introduction to Business & Technology	Guest speakers with business legal experience will visit the class to share their experiences, wisdom, and knowledge. Additional topics include the arrest process, current legal events, employment law, business ethics, legal disputes, major crimes affecting business, tort law in the business setting, contractual relationships, statutory/regulatory schemes, diverse cultures and customs on business practices. Students may participate in the Eagles Nest Enterprises School Store by joining Legal Environment of Business! Students will create products to sell in the school store plus gain work, leadership and marketing experience. Students are encouraged to join and participate in FBLA (Future Business Leaders of America).
~~**Entrepreneurship**~~ *This course is not offered in the 24-25 school year*	~~06.4161001~~	~~06.4161002~~	~~10-12~~	~~Introduction to Business & Technology~~	~~Students will learn to: *Model work readiness traits required for success in the workplace *Project a professional image through appearance, behavior and language. *Communicate effectively through writing, speaking, listening, reading and interpersonal abilities.~~ ~~By participating in the Eagles Nest Enterprises School Store, students will design, create and market products, gain cash register and customer service skills, and earn leadership and management positions. Guest speakers from a variety of businesses and industries will visit the classroom to share their experience and knowledge with students. Additional topics include employment, market research, funding, location, marketing plan, management, accounting process, business ethics, culture, day to day operations, characteristics of an entrepreneur, goal setting and business plan. This course is offered in alternate years with Legal Environment of Business. Second or third course in Entrepreneurship Pathway.~~
Intro to Software Technology	11.4460001	11.4460002	9-10	Interests in computer programming and coding	Introduction to the computer, software, technology, and problem solving. This is the 1st course in the Software Technology pathway with emphasis on the JavaScript programming language.
AP Computer Science Principles**	11.4710001	11.4710002	10-12	Intro to Software Technology	College-level introduction survey course of Computer Science concepts and issues. This is the 2nd course of the Software Technology pathway and prepares for the AP exam with emphasis on the Python programming language and College Board pseudocode. **This course qualifies as the fourth science course for graduation and for college admissions, which meets the rigor requirement.**
AP Computer Science A**	11.0160011	11.0160012	10-12	AP Computer Science Principles	College-level Computer Science Object-Oriented programming course with focus on the Java programming language. This is the 3rd course of the Software Technology pathway and prepares for the AP exam. **This course qualifies as the fourth science course for graduation and for college admissions, which meets the RIGOR requirement.**

Food, Nutrition & Wellness	20.4161001	20.4161002	9-12	None	Food, Nutrition and Wellness is designed to introduce students to the field of nutrition and wellness including major trends, issues, employment opportunities, and career paths. Areas of study include an overview of wellness, factors contributing to an individual's wellness, and the relationship of health risks, physical activity, food choices, and nutrition to wellness. Students also develop an awareness of the importance of safe food handling and storage practices.
~~**Food for Life***~~ *This course is not offered for the 24-25 school year*	~~20.4140001~~	~~20.4140002~~	~~10-12~~	~~Food, Nutrition & Wellness~~	~~Food for Life is an advanced course in food and nutrition that addresses the variation in nutritional needs at specific stages of the human life cycle: lactation, infancy, childhood, adolescence, and adulthood including old age. The most common nutritional concerns, their relationship to food choices and health status and strategies to enhance well-being at each stage of the life cycle are emphasized. This course provides knowledge for real life and offers students a pathway into dietetics, consumer foods, and nutrition science careers with additional education at the post-secondary level.~~
Food Science*	20.4181001	20.4181002	10-12	Food, Nutrition & Wellness	Food Science integrates many branches of science and relies on the application of the rapid advances in technology to expand and improve the food supply. Students will evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods. Building on information learned in Nutrition and Wellness and Chemistry, this course illustrates scientific principles in an applied context, exposing students to the wonders of the scientific world. Careers will be explored.
Introduction to Law, Public Safety, Corrections & Security	43.4540001	43.4540002	9-10	None	This course provides students with career-focused educational opportunities LPSCS fields. It examines the basic concepts of law related to citizens' rights and responsibilities. Students will receive instruction in critical skill areas including communicating with diverse groups, conflict resolution, ethics, CERT (Citizens Emergency Response Training), basic firefighting, and civil and criminal law. First course in Law Enforcement Services/Forensics Pathway.
~~**Criminal Justice Essentials**~~ *This course is not offered in the 24-25 school year*	~~43.4510001~~	~~43.4510002~~	~~10-12~~	~~Introduction to Law, Public Safety, Corrections, and Security~~	~~An overview of the criminal justice system. Starting with historical perspectives of the origin of the system, the course reviews the overall structure. Students will become immersed in criminal and constitutional law and will review basic law enforcement skills. The course ends with a mock trial to provide participants with a first-hand experience of the criminal justice system. This course is offered in alternate years with Forensics. Second or third course in Law Enforcement Services/Forensics Pathway.~~

Criminal Investigations	43.4530001	43.4530002	10-12	Intro to Law, Public Safety, Corrections & Security (ILPSCS)	This course is designed to provide students with an opportunity to explore the basic processes and principles of a criminal investigation. Students will learn the legal responsibilities and challenges of the patrol officer, investigator, and crime scene technician at a crime scene. Students will learn the importance of preserving and documenting the crime scene along with the identification, collection, and processing of evidence and the contribution to the criminal investigation. This course is one of two choices that may be selected for the law enforcement pathway. The prerequisites for this course are Introduction to Law, Public Safety, Corrections and Security, and Criminal Justice Essentials.
Work-Based Learning/OFF CAMPUS (2-hour)	21.7115001 21.7125002		11-12	Application only. WBL registration period as announced in Eagle Update	2- hour work experience with embedded associated curriculum. **Application must be completed to be approved for course using WBL Application Request Link when posted in Eagle Update. Contact Dr. Wagner for questions. The application must be submitted by the DUE DATE ON THE APPLICATION. THIS IS A YEAR-LONG COURSE.**
Work-Based Learning/OFF CAMPUS (1-hour)	21.7114001 21.7124002		11-12	Application only. Apply during WBL registration period as announced in Eagle Update	1- hour work experience with embedded associated curriculum. **Application must be completed to be approved for course using WBL Application Request Link when posted in Eagle Update. Contact Dr. Wagner for questions. The application must be submitted by the DUE DATE ON THE APPLICATION. THIS IS A YEAR-LONG COURSE.**
TA (Teacher Assistant) Work-Based Learning (1-hour)	13.7114001 13.7124002		11-12	Application only. Apply during WBL registration period as announced in Eagle Update	1- hour work experience as a Teaching Assistant with embedded associated curriculum. **Application must be completed to be approved for course using WBL Application Request Link when posted in Eagle Update. Contact Dr. Wagner for questions. The application must be submitted by the DUE DATE ON THE APPLICATION. THIS IS A YEAR-LONG COURSE.** *Previous AP Course required to be a TA*
Medical Internship Work-Based Learning (1-hour)	25.7114001 25.7124002		12	Intro to Healthcare, Essentials of Therapeutic Services and either Surgery OR Sports Medicine AND WBL Application Apply during WBL registration period as announced in Eagle Update	1- hour internship experience with embedded associated curriculum in hospital, medical, dental, physical therapy, veterinary offices, etc. reinforcing classroom knowledge. Additional training in subjects such as CPR/AED, Teen Work Safety, Blood borne Pathogens, and HIPAA. Fourth course in Sports Medicine and Surgical Technology Pathways and is listed as Work-Based Learning. **(additional hour/period offered by request)** **Application must be completed to be approved for course. Contact Dr. Wagner for questions. The application must be submitted by the DUE DATE ON THE APPLICATION. THIS IS A YEAR-LONG COURSE.**

Health & Physical Education				
Course Title	**Course #**	**Grade(s)**	**Prerequisite(s)**	**Course Description**
General Health ***(Required course for graduation)***	17.0110001	9-12	None	Wellness concepts, human sexuality, State ADAP requirements, CPR training, first aid procedures, safety practices, and responsibility for health decisions are all discussed. Course is required to graduate high school.
Personal Fitness ***(Required course for graduation)***	36.0510001	9-12	None	This course helps students develop a physical fitness program. Students are introduced to the concepts of stress management, weight training and conditioning, and proper nutrition. Progress toward individual fitness goals is measured throughout the semester. This course is required to graduate high school, unless an approved Personal Fitness waiver is on file.
General PE I	36.0110001	9-12	None	This course will spend one day covering the rules and basic fundamentals, then two days playing of a variety of sports. The sports that will be covered in this class are basketball, flag football, ultimate frisbee, softball, kickball, soccer, pickle ball, table tennis, badminton, and volleyball.
General PE II	36.0120001	9-12	General PE I	This course will play the same sports as General PE 1, basketball, flag football, ultimate frisbee, softball, kickball, soccer, pickle ball, table tennis, badminton, and volleyball. Students are expected to know rules and basic fundamentals of these sports. Students will play a tournament for each of these sports.
Lifetime Sports	36.0220001	9-12	None	This class will only play Basketball.
Intro Rec Games	36.0270001	9-12	None	This Class will only play Soccer.
Outdoor Ed	36.0250001	11-12	None	This class will teach various aspects of outdoor activities and how they have an impact on living a healthy lifestyle. Some of the outdoor activities are hiking, camping, mountain biking, running, fishing, archery, kayaking, initiatives/trust/team building, adventure activities, orienteering and safety.
Weight Training	36.0540001	9-12	PE Teacher or Coach recommendation	Weight training and conditioning introduces correct lifting form, emphasizes safety practices, and presents a variety of exercises. Individual weight training programs are designed and followed throughout the course.
Body Sculpting	36.0560001	9-12	Coach recommendation	Weight training and conditioning introduces correct lifting form, emphasizes safety practices, and presents a variety of exercises. Individual weight training programs are designed and followed throughout the course.

Performing Arts					
Course Title	**Semester 1**	**Semester 2**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
AP Music Theory	53.0230001	53.0230002	10-12	Teacher Recommendation	College Board topics for the AP Music Theory exam include terminology and notational skills, writing skills, visual analysis and aural skills, and advanced levels of understanding.
Fundamentals of Theatre I	52.0210001	52.0210002	9-12	None	This course will offer theatre exercises to develop acting and production skills at all levels. It is an exploration of theatre as an artistic form that focuses on the appreciation and value of theatre in society. The students will participate in theatre games that utilize their inner resources of imagination, observation, and concentration. Included will be performance and production demonstrations of creative team building scenes as well as open scenes.

Fundamentals of Theatre II	52.0220001	52.0220002	9-12	Fundamentals of Theatre 1	This course will offer theatre exercises to develop acting and production skills at all levels and is a continuation of Fundamentals of Theater 1. It is an in-depth exploration of theatre as an artistic form that focuses on the appreciation and value of theatre in society. The students will participate in theatre games that utilize their inner resources of imagination, observation, and concentration. Included will be performance and production demonstrations of creative team building scenes as well as open scenes.
Acting I	52.0610001	52.0610002	9-12	Fundamentals of Theatre or Audition	This is a course for a student taking Acting for the 1st time. This is an introductory acting class for students interested in a yearlong acting course. Beginning actors will be exposed to several different performance styles and methods which will improve their performance skills. This course uses theatre to encourage cooperative learning, teamwork, organization, and leadership skills. Theatre's forte is in the emotional arena, where participants are able to not only express emotion in a safe environment, but more pertinently, able to learn how to calibrate their emotional responses to various stimuli. The class allows all students the opportunity to perform on a regular basis. After-school rehearsal time may be required.
Acting II	52.0620001	52.0620002	10-12	Fundamentals of Theatre or Audition	This is a course for a student taking Acting for the 2nd time. This course delves further into the techniques of acting through the introduction of particular schools of thought associated with the control of voice and movement for effective character development. Using these techniques, the student then explores the style of realism and examines the artists associated with that movement and their methods of instruction. Through this framework the students begin to master specific period styles through research and implementation of the restrictions and demands found in a specific style. The course culminates in a peer reviewed performance which offers the opportunities to audition, build, and critique theatrical productions in the classroom setting. The course is designed for any student wishing to hone their acting skills in an effort to broaden the range possibilities for performance. After-school rehearsal time may be required.
Acting III	52.0630001	52.0630002	11-12	Fundamentals of Theatre or Audition	This is a course for a student taking Acting for the 3rd time. The focus of this course is to prepare students for a multitude of audition opportunities. This course is aimed at students that wish to continue theatrical studies beyond high school. Students will learn about the business of acting, personal marketing, and the importance of versatility in their audition repertoire. At the end of the course the student will have knowledge of contemporary self-marketing and monologues to use in auditions for colleges, conservatories, community, academic, or professional theatre.
Film & Television I	52.0710001	52.0710002	9-12	N/A	This course is the foundational course in Film & Television. The course prepares students for employment or entry into a postsecondary education program in the film and audio technology 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.

Acting and Production in Film II	52.0731001	52.0731002	9-12	Application	Introduces the basics of acting and directing for the camera. Students apply basic acting and directing techniques such as character development, audition techniques, vocal and physical techniques, and script analysis. Introduces students to on-camera performance in various genres and addresses the technical requirements of film acting such as framing, lighting , and other production considerations.
Advanced Drama I **Advanced Drama II** **Advanced Drama III** **Advanced Drama IV**	52.0510001 52.0520001 52.0530001 52.0240001	52.0510002 52.0520002 52.0530002 52.0240002	9-12	Audition	Placement in this course if by audition only. This is a course for a student taking Advanced Drama for the 1st time. A study of the artistic, technical, managerial, and financial elements of a dramatic production. Students will assume positions of responsibility on selected productions throughout the year and will have an opportunity to participate in several types of artistic situations. After-school rehearsal time may be required. Auditions for Advanced Drama classes will be held in the Spring. Students will be asked to prepare a monologue for the audition.
Musical Theatre I **Musical Theatre II** **Musical Theatre III** **Musical Theatre IV (CIRQUE)**	52.0310001 52.0320001 52.0330001 52.0340001	52.0310002 52.0320002 52.0330002 52.0340002	9-12	Audition	Students will work as a cohesive team to develop, produce, and present a Cirque performance. As a production class, each student will contribute to the creation of storyline, act development, character development, specific and general tasks attributed to production, leadership roles, and technical duties. Students are expected to be involved with extensive physical conditioning, training on aerial and ground apparatus, acting, clowning, miming, juggling, dance and creative movement, and other aspects associated with circus arts. Performance in the Cirque production is expected. Auditions for Cirque will be held in the spring in the Milton Theatre.
Technical Theatre I **Technical Theatre II** **Technical Theatre III** **Technical Theatre IV**	52.0410001 52.0420001 52.0430001 52.0440001	52.0410002 52.0420002 52.0430002 52.0440002	9-12	Included extensive work outside of the school day	This is a course for a student taking Technical Theater for the 1st time. This course functions as an introduction to the technical elements of theatre, such as scenic, lighting, costume, and sound design and execution in theatrical presentations. Significant after-school tech/construction time is a graded requirement of the class.
Int. Band I **Int. Band II** **Int. Band III** **Int. Band IV**	53.0371011 53.0372011 53.0373011 53.0374011	53.0371012 53.0372012 53.0373012 53.0374012	9-12	Audition	This course provides opportunities for intermediate-level performers to increase performance skills and precision on a wind or percussion instrument. It includes performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses individual progress and learning and group experiences; strengthens reading skills. Concert Band will help prepare the students for advanced playing demands of upper high school literature and technique. After school rehearsals will be required. Concert Band will perform several required concerts during the year. Students will be auditioned and placed in the most suitable class based on student ability and instrumentation. They will involve all major scales, sight-reading, and the GMEA Jr. High All-State Etudes. Contact Mr. Shumick at shumickCA@fultonschools.org for audition information or with any additional questions.

Adv. Band I **Adv. Band II** **Adv. Band III** **Adv. Band IV**	53.0381011 53.0382011 53.0383011 53.0384011	53.0381012 53.0382012 53.0383012 53.0384012	9-12	Intermediate Band	This course will help prepare the students for advanced playing demands of upper high school literature. The class provides opportunities for advanced-level performers to increase, develop and refine performance skills and precision on a wind or percussion instrument. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music at advanced levels of understanding. The class organizes objectives for self-paced progress through all four levels. It stresses individual progress and learning strategies and ensemble experiences. After school rehearsals will be required. Symphonic Band will perform several required concerts during the year. Students will be auditioned and placed in the most suitable class based on student ability and instrumentation. They will involve all major scales, sight-reading, and the GMEA Jr. High All-State Etudes. Contact Mr. Shumick at shumickCA@fultonschools.org for audition information or with any additional questions.
Mastery Band I **Mastery Band II** **Mastery Band III** **Mastery Band IV**	53.0391001 53.0392001 53.0393001 53.0394001	53.0391002 53.0392002 53.0393002 53.0394002	9-12	Advanced Band	This course is an intensive study of advanced wind techniques. Some after school rehearsals and several performances will be required. Students will be auditioned and placed in the most suitable class based on student ability and instrumentation. After school rehearsals will be required. Wind Ensemble will perform several required concerts during the year. Students will be auditioned and placed in the most suitable class based on student ability and instrumentation. They will involve all major scales, sight-reading, and the GMEA Jr. High All-State Etudes. Contact Mr. Shumick at shumickCA@fultonschools.org for audition information or with any additional questions.
Beginning Guitar Lab I *Semester-long course*	53.0841001		9-12	None	This course is designed to teach the beginning guitar student the fundamentals of guitar performance. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Students will work on individual and ensemble skills. While class guitars are provided, students are encouraged to have their own instrument for practice at home. No musical experience is required, but students with prior guitar experience may enroll.
Beginning Guitar Lab II *Semester-long course*	53.0842001		9-12	Beginning Guitar Lab I or Instructors Approval	This course builds upon Guitar 1 skills and provides further opportunities for individual and ensemble study in basic guitar techniques. It covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Class guitars are provided, but students are encouraged to have their own instrument for practice at home. Beginning Guitar 1 or audition/instructor approval is required for this course. For information contact Andrew Cummings: cummingsas@fultonschools.org

Advanced Piano	53.0961001	53.0961002	9-12	None	Designed for students who wish to develop basic skills or expand their existing skills, this semester-long class will cover the basics of finger technique, chord theory, and music reading for beginning students while providing more advanced students an opportunity to develop sight reading skills, practice accompanying other musicians, and work on their own music. Students will work both individually and in small groups and will perform their works for each other and in a recital at the end of the year. There will also be time spent in group instruction on music theory notation and basic theory.
Int. Orchestra I **Int. Orchestra II** **Int. Orchestra III** **Int. Orchestra IV**	53.0571001 53.0572001 53.0573001 53.0574001	53.0571002 53.0572002 53.0573002 53.0574002	9-12	Middle School Orchestra/Previous Experience	Concert Orchestra is an intermediate-level course for string players. The content of this course includes instruction in performance techniques with emphasis placed on technical and musical skills through the study of rudimentary exercises and mainly grade 3-4 string orchestra repertoire. Individual practice outside of class time is necessary for successful mastery of performance standards. There will be required performances and some rehearsals outside of class time. Students are placed into this course by instructor approval or recommendation of their middle school orchestra director. For information contact Andrew Cummings: cummingsas@fultonschools.org and/or visit www.miltonorchestra.org
Adv. Orchestra I **Adv. Orchestra II** **Adv. Orchestra III** **Adv. Orchestra IV**	53.0581001 53.0582001 53.0583001 53.0584001	53.0581002 53.0582002 53.0583002 53.0584002	9-12	Audition	Sinfonia Orchestra is an advanced-level course for string players. This course includes instruction in performance techniques with emphasis placed on technical and musical skills through the study of mainly grade 4-5 string orchestra repertoire. Individual practice outside of class time is necessary for successful mastery of performance standards. There will be required performances and some rehearsals outside of class time. Students are placed into this course by auditions occurring in the spring semester for the following school year. For audition information contact Andrew Cummings: cummingsas@fultonschools.org and/or visit www.miltonorchestra.org
Mastery Orchestra I **Mastery Orchestra II** **Mastery Orchestra III** **Mastery Orchestra IV**	53.0591001 53.0592001 53.0593001 53.0594001	53.0591002 53.0592002 53.0593002 53.0594002	9-12	Audition	Chamber Orchestra is a mastery-level course for string students of the highest level of skill and experience on their instruments. This course includes instruction in performance techniques with emphasis placed on technical and musical skills through the study of mainly grade 5-6 string orchestra repertoire. Students should be prepared to complete rigorous performance assessments and spend time outside of class for required performances/rehearsals. Individual practice outside of class time is necessary for successful mastery of performance standards. Students are placed into this course by auditions occurring in the spring semester for the following school year. For audition information contact Andrew Cummings: cummingsas@fultonschools.org and/or visit www.miltonorchestra.org

Mastery Band I **Mastery Band II** **Mastery Band III** **Mastery Band IV**	53.0391001 53.0392001 53.0393001 53.0394001	53.0391002 53.0392002 53.0393002 53.0394002	9-12	Advanced Band	This course is an intensive study of advanced wind techniques. Some after school rehearsals and several performances will be required. Students will be auditioned and placed in the most suitable class based on student ability and instrumentation. After school rehearsals will be required. Wind Ensemble will perform several required concerts during the year. Students will be auditioned and placed in the most suitable class based on student ability and instrumentation. They will involve all major scales, sight-reading, and the GMEA Jr. High All-State Etudes. Contact Mr. Shumick at shumickCA@fultonschools.org for audition information or with any additional questions.
Intermediate Chorus I **Intermediate Chorus II** **Intermediate Chorus III** **Intermediate Chorus IV** **There are two different sections treble - Bella Voce and mixed - Concert Choir.**	54.0221001 54.0222001 54.0223001 54.0227001	54.0221002 54.0222002 54.0223002 54.0227002	9-12	Placement Exams	This course occurs during two sections - one is a treble group (Bella Voce) and one is a mixed group (Concert Choir). Placement is determined via placement exams. Students will perform music of all styles and time periods and become proficient at sight-singing and music theory to prepare each student for the upper-level choirs. Participation requirements include the Milton Choral Concert Series (a Fall, Winter and Spring Concert) as well as participation in the annual Georgia Music Educators Large Group Performance Evaluation. There are numerous optional extracurricular activities including but not limited to voice lessons, Spring Cabaret, Fall Musical in Concert and others. After school rehearsals may be required and will be scheduled with at least a 2-week notice.
Advanced Chorus I **Advanced Chorus II** **Advanced Chorus III** **Advanced Chorus IV**	54.0231001 54.0232001 54.0233001 54.0234001	54.0231002 54.0232002 54.0233002 54.0234002	9-12	Placement Exams	Women's Select is for treble singers. You must be able to read music at an advanced level. Students will perform music of all styles and time periods and become proficient at sight-singing and music theory to prepare each student for the upper-level choirs. Participation requirements include the Milton Choral Concert Series (a Fall, Winter and Spring Concert) as well as participation in the annual Georgia Music Educators Large Group Performance Evaluation. There are numerous extracurricular activities including but limited to voice lessons, Spring Cabaret, Fall Musical in Concert, Christmas Caroling gigs, National Anthem at sporting events and other opportunities as they arise. Visit www.miltonchorus.com for more information. After school rehearsals may be required and will be scheduled with at least a 2-week notice. Placement Exam Requirements: Anyone is eligible to audition for the advanced groups. Singers must display the following characteristics listed above. Know that each advanced group has a limited space. Each person auditioning will be required to do two sight-singing examples, vocalize for the director, and sing a short solo a cappella. If you wish to know more about the audition process or schedule an audition please contact Drew Bowers, Director of Choral Activities, by email at bowersa@fultonschools.org or by phone at 470-254-7135.

Mastery Mixed Chorus I **Mastery Mixed Chorus II** **Mastery Mixed Chorus III** **Mastery Mixed Chorus IV**	54.0235001 54.0236001 54.0237001 54.0238001	54.0235002 54.0236002 54.0237002 54.0238002	9-12	Placement Exams	Chorale is a mixed choral ensemble and placement is determined via auditions. Students will perform music of all styles and time periods and become proficient at sight-singing and music theory to prepare each student for the upper-level choirs. Participation requirements include the Milton Choral Concert Series (a Fall, Winter and Spring Concert) as well as participation in the annual Georgia Music Educators Large Group Performance Evaluation. There are numerous extracurricular activities including but limited to voice lessons, Spring Cabaret, Fall Musical in Concert, Christmas Caroling gigs, National Anthem at sporting events and other opportunities as they arise. Visit www.miltonchorus.com for more information. After school rehearsals may be required and will be scheduled with at least a 2-week notice. Placement Exam Requirements: Anyone is eligible to audition for the advanced groups. Singers must display the following characteristics listed above. Know that each advanced group has a limited space. Each person auditioning will be required to do two sight-singing examples, vocalize for the director, and sing a short solo a cappella. If you wish to know more about the audition process or schedule an audition please contact Drew Bowers, Director of Choral Activities, by email at bowersa@fultonschools.org or by phone at 470-254-7135.

Talented & Gifted				
Course Title	**Course #**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
Directed Study **Directed Study**	70.2320001 70.2320002	10-12	Application Required - Approval by Mrs. Denney Application available: **HERE**	The course is designed for TAG students who have already demonstrated the skills needed for independent learning. It will provide the opportunity for independent investigation in a subject or interest, development of research techniques, and the practice of higher-level thinking skills. Student and teacher will write a curriculum contract that lists goals, objectives, and requirements.
First Gifted Career Int. **Gifted Career Int.**	70.2210001 70.2210002	11-12 11-12	Completion of "Hire Me" seminar – Application and Interview: **CLICK HERE**	The Gifted Internship Program is designed to provide TAG students the opportunity to explore potential career interest by working with professionals in the community. Students will leave the school for one or two periods a day. The Internship will count as either one or two of their regular courses during the semester. Academic credit and letter grade is earned.
Gone Boarding	N/A	12	Application Required; there are fees associated with the course	Gone Boarding is a project based class where students collaborate to design, construct, and learn to ride all types of boards including surfboards, snowboards, skateboards/longboards, stand-up paddle boards, wake boards and wake surfboards. Students in Gone Boarding will learn a broad range of hard skills across many different areas including product design, engineering, woodworking, graphic design, business/marketing, communications, and physical skills involved in riding. Equally important, students will learn very sought after soft skills that will set them apart from their peers and set them above the competition when pursuing a career. Gone Boarding students will also participate in a variety of design competitions with various boarding industry companies including, Vans, Gopro, Burton, TREW, and more. Students in Gone Boarding are offered a variety of field trip opportunities aligned with the class curriculum.

Visual Arts				
Course Title	**Course #**	**Grade(s)**	**Prerequisite(s)**	**Major Topics**
VA Comp I (Intro to Art)	50.0211001	9-12	None	This course is the pre-requisite for all other studio art courses. Introduction to Art is an entry-level class that establishes a standard and consistent foundation in the discipline of visual art. Students will be introduced to all aspects of visual art including, but not limited to, art as personal communication, drawing, sculpture, ceramics, design, aesthetics, careers, art criticism and art history. Students develop basic skills that increase critical thinking, problem solving, self-evaluation and the ability to complete long-term projects.
Drawing & Painting I	50.0313001	9-12	Intro to Art	Drawing & Painting I will instruct students in fundamental drawing skills and prepare them to make the transition to painting. Approaches include contour, value to model form, gesture, perspective, and color. Students work with drawing media such as pencil, charcoal, conte and oil pastels. Art history, criticism and aesthetics are incorporated with studio production of drawings and paintings. In addition to learning a life-long skill, drawing courses help increase observation skills, self-discipline, ability to evaluate one's own performance, problem-solving abilities, and ability to complete long-term projects.

Drawing & Painting II	50.0314001	9-12	Drawing & Painting I	Drawing & Painting II develops fundamental painting skills and continues to strengthen composition and drawing skills. This course enhances level-one skills in technique and provides further exploration of drawing media. Drawing skills and critical analysis skills are reinforced for responding to master drawings of different historical styles and periods. This course addresses increasingly complex drawing and painting problems and development of personal style. Art history, criticism, and aesthetics are incorporated with studio production of drawings and paintings.
Graphics I	50.0721001	9-12	Intro to Art	Graphics I introduces graphic design as seen in posters, advertisements, logos, illustrations, signs, and package or product designs. Covers selected graphic design elements, vocabulary, and the media, tools, equipment, techniques, processes, and styles used for graphics. Investigates the historical development of graphic design and its function in contemporary society. Stresses hand drafting and using computer software as a major design tool. Explores career opportunities.
Graphics II	50.0722001	9-12	Intro to Art, Graphics I	Graphics II enhances level-one skills in graphic design of posters, advertisements, logos, illustrations, signs, and package or product designs. Introduces advanced design problems and how to apply creative ideas using storyboards, layouts, and models. Stresses use of vocabulary, tools, media, equipment, and techniques in planning and producing graphic art products.
Graphics III	50.0723001	9-12	Intro to Art, Graphics I &2	Graphics III enhances level-two skills in graphic design. Continues advanced design problems and how to apply creative ideas using storyboards, layouts, and models. Stresses use of vocabulary, tools, media, equipment, and techniques in planning and producing graphic art products. Design the products and then actually make them.
Graphics IV	50.0724001	9-12	Intro to Art, Graphics I, 2, & 3	Graphics IV enhances level-three skills in graphic design. Introduces advanced design problems and how to apply creative ideas using storyboards, layouts, and models. Stresses use of vocabulary, tools, media, equipment, and techniques in planning and producing graphic art products. Explore more career options.
Digital Design I	50.0725001	9-12	Intro to Art	Digital Design I teaches manipulated photography and illustration as it applies to sequential art and animation. Topics will include the narrative arc, rules of animation, character design, and anatomy for motion. Students will use a variety of hardware and software tools to create photography, digital media, and animation projects.
Digital Design II	50.0727001	9-12	Digital Design I	Digital Design II enhances level-one skills. Students use a variety of hardware and software tools to create digital media projects. Students will create portfolios that showcase a variety of digital media skills. Projects can include elements of illustration, electronic publishing, application design, two-dimensional animation, video production, special effects, three-dimensional animation, photography, interface design, and web design.

Ceramics I	50.0411001	9-12	Intro to Art	Ceramics I introduces the characteristics of clay and design in clay using various techniques of construction and decoration. Emphasizes hand building and introduces other forming techniques, surface decoration, and glaze applications. Covers styles of ceramic works from Western and non-Western cultures. In addition to learning a lifelong skill, ceramic courses help improve observation skills, self-discipline, organization, ability to evaluate one's own performance, problem-solving abilities, and ability to complete long-term projects.
Ceramics II	50.0412001	9-12	Ceramics I	Ceramics II enhances level-one skills and provides opportunities to apply design techniques in clay through hand building and/or throwing on the potter's wheel. Introduces formulation of basic glazes and kiln firing; stresses evaluation of clay forms through art criticism.
Ceramics III	50.0413001	10-12	Ceramics ll	Ceramics III enhances level-two skills and provides opportunities to apply design techniques in clay through hand building and/or wheel throwing techniques while developing personal artistic voice. Presents ceramic/pottery forms as art and craft in historical context. Explores ideas and questions about purposes and functions of ceramic forms, past and present.
Ceramics IV	50.0414001	10-12	Ceramics III	Ceramics IV enhances level-three skills and provides opportunities to apply design techniques in clay through hand building and/or wheel throwing techniques while continuing to develop personal artistic voice. Emphasizes more complex form and surface treatments using tools, glazes, resists, and multiple clay bodies.
~~**Sculpture I**~~ *Not offered the 24-25 school year*	~~50.0611001~~	~~9-12~~	~~Intro to Art~~	~~Sculpture I introduces the design and production of relief sculpture and sculpture-in-the-round. Emphasizes the historical origins and functions of sculpture in Western and non-Western cultures. Includes additive, subtractive, and modeling methods. Explores traditional and nontraditional materials for sculpted works and the work of both historical and contemporary sculptural artists. Sculpture courses help improve problem-solving skills, self-discipline, organization, ability to evaluate one's own performance and ability to complete long-term projects.~~
~~**Sculpture II**~~ *Not offered the 24-25 school year*	~~50.0612001~~	~~9-12~~	~~Sculpture I~~	~~Sculpture II enhances level-one skills and explores the design and production of relief sculpture and sculpture-in-the-round. Emphasizes the historical origins and functions of sculpture in Western and non-Western cultures. Includes additive, subtractive, and modeling, methods. Explores traditional and nontraditional materials for sculpted works and the work of a variety sculptural artists.~~
~~**Sculpture III**~~ *Not offered the 24-25 school year*	~~50.0613001~~	~~10-12~~	~~Sculpture II~~	~~Sculpture III enhances level-two skills and introduces advanced exploration and mastery of selected, complex techniques, designs, materials, tools, and equipment. Introduces casting, molding, gouging, brazing, soldering, piercing, and mixed media. Stresses personal expression of creative ideas and depth of exploration in selected techniques. Continues critical study of master sculptures and sculptors.~~

~~**Sculpture IV**~~ *Not offered the 24-25 school year*	~~50.0614001~~		~~10-12~~	~~Sculpture III~~	~~Sculpture IV enhances level three skills and provides advanced exploration and mastery of selected, complex techniques, designs, materials, tools, and equipment. Further explores casting, molding, gouging, brazing, soldering, piercing, and mixed media. Stresses personal expression of creative ideas and depth of exploration in selected techniques. Continues critical study of master sculptures and sculptors.~~
AP Drawing Portfolio	50.0811001	50.0811002	11-12	Intro to Art, Drawing & Painting II, Teacher Recommendation	This is a year-long course for juniors and seniors. The course allows students to pursue college credit while still in high school by submitting a portfolio for evaluation by the College Board. Plans to pursue art beyond high school are not required. However, students should have the desire to excel in visual art and to master long-term goals. Students in these courses have opportunities to build portfolios for college admission and participate regionally and nationally in exhibitions and scholarship competitions. Contact Drew Brown, browndrew@fultonschools.org for more information.
AP 2D Portfolio	50.0813001	50.0813002	11-12	Intro to Art, Drawing and Painting II, Graphics I and/or Digital Design, Teacher Recommendation	This is a year-long course for juniors and seniors. The course allows students to pursue college credit while still in high school by submitting a portfolio for evaluation by the College Board. Plans to pursue art beyond high school are not required. However, students should have the desire to excel in visual art and to master long-term goals. Students in these courses have opportunities to build portfolios for college admission and participate regionally and nationally in exhibitions and scholarship competitions. Contact Drew Brown, browndrew@fultonschools.org for more information.
AP 3D Portfolio	50.0814001	50.0814002	11-12	Intro to Art, Sculpture II and/or Ceramics II, Teacher Recommendation	This is a year-long course for juniors and seniors. The courses allow students to pursue college credit while still in high school by submitting a portfolio for evaluation by the College Board. Plans to pursue beyond high school is not required. However, students should have the desire to excel in visual art and to master long-term goals. Students in these courses have opportunities to build portfolios for college admission and participate regionally and nationally in exhibitions and scholarship competitions. Contact Lynn Hatcher Hatcherly@fultonschools.org for more information.

Milton High School

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Home of the Eagles!

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