



2022-2023

Academic Course Catalog



National School of Excellence

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It is the policy of Chattahoochee High School and the Fulton County School System not to discriminate on the basis of race, color, sex, religion, national origin, age, or disability in any employment practice, educational program or any other program, activity, or service.

Fine Arts					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Intro to Art	50.0211001	S	9-12	None	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.
Digital Design Projects	50.0725001	S	9-12	Intro to Art	This course will introduce the use of computers as a medium of the production of original artwork and for communication of ideas through print and multimedia presentations. Methods and vocabulary of electronic drawing painting and photography imaging will be taught utilizing programs such as Adobe. The ability to create good compositions using these programs using digital media translates into securing the careers of tomorrow.
Ceramics 1	50.0411001	S	9-12	Intro to Art	Ceramics 1 is an introductory course in ceramics covering the three basic methods of hand building. Students will produce ceramic artwork using pinch, slab, and coil techniques. Students will learn the basic vocabulary of ceramics as well as methods of surface treatment, firing, and other related aspects. Ceramic history, aesthetics, and art criticism will be incorporated throughout the course.
Ceramics 2	50.0412001	S	10-12	Ceramics 1	Ceramics 2 provides in-depth work with clay beyond that of Ceramics 1. Students will further technical ability in hand building, surface decoration, and/or wheel-thrown ceramics. Glaze chemistry will be addressed with an emphasis on how a glaze works and how to alter results. Alternative firing techniques will introduce students to various surface effects and firing atmospheres. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice. Students will continue to investigate ceramics from around the world and throughout time.
Ceramics 3	50.0413001	S	10-12	Ceramics 2	Ceramics 3 is an advanced course providing in-depth work with clay. Students will further technical ability in hand building, surface decoration, and/or wheel-thrown ceramics. Glaze chemistry will be addressed with an emphasis on how a glaze works and how to alter results. Alternative firing techniques will introduce students to various surface effects and firing atmospheres. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio.
Ceramics 4	50.0414001	S	11-12	Ceramics 3	Ceramics 4 provides in-depth work with clay. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio.
Draw/Painting 1	50.0314001	S	9-12	Intro to Art	Drawing & Painting 1 instructs students in fundamental drawing skills and prepares them to make the transition to painting. Course work builds on drawing skills introduced in Introduction to Art. Drawing approaches include contour, value to model form, gesture, perspective and color; students work with drawing media such as pencil, charcoal, conte, oil pastels. Art history, criticism and aesthetics are incorporated with studio production of drawings and paintings.
Draw/Painting 2	50.0314001	S	9-12	Draw/Painting 1	Drawing and Painting 2 develops fundamental painting skills and continues to strengthen composition and drawing skills. The course includes studies in color sensitivity and a wide range of media and techniques. Art history, criticism, and aesthetics are incorporated with studio production of drawings and paintings.
Photography 1	50.0711001	S	9-12	Intro to Art	Photography 1 is an introduction to black and white photography and darkroom processing. Students will construct their own pinhole camera and create a photographic portfolio as they learn the technical and artistic aspects of photography. A brief introduction to digital photography will be included. Photo history, critiques of photos, aesthetics and design will be addressed throughout the semester
Photography 2	50.0712001	S	10-12	Photography 1	Photography 2 builds on basic skills and darkroom techniques learned in Photography 1. Students hone skills in communicating meaning through photography. They learn to use a 35 mm camera, develop and print images from black and white film and refine darkroom and printing techniques. The course incorporates aesthetics, art criticism, art history and a brief introduction to digital photography.

Photography 3	50.0713001	S	10-12	Photography 2	Photography 3 and 4 hone skills in communicating meaning through photography. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio.
Photography 4	50.0714001	S	11-12	Photography 3	Photography 3 and 4 hone skills in communicating meaning through photography. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio.
Sculpture 1	50.0611001	S	9-12	Intro to Art	Sculpture 1 introduces students to the production of three-dimensional art making including additive, subtractive and modeling processes of sculptural construction. Sculpture's influence on the environment will be examined, as well as the investigation of a variety of media. Students are expected to make connections as they explore meaning, develop creative thinking skills, search for contextual understanding resulting in authentic assessment and reflection.
Sculpture 2	50.0612001	S	10-12	Sculpture 1	Sculpture 2 offers in-depth study to the production of three-dimensional art making including additive, subtractive, casting and modeling processes while investigating a variety of media. Students are expected to make connections as they explore meaning, develop creative thinking skills, search for contextual understanding resulting in authentic assessment and reflection.
Sculpture 3	50.0613001	S	10-12	Sculpture 2	Sculpture 3 and 4 offers in-depth study of the production of three-dimensional art making including additive, subtractive, casting and modeling processes while investigating a variety of media. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio.
Sculpture 4	50.0614001	S	11-12	Sculpture 3	Sculpture 3 and 4 offers in-depth study of the production of three-dimensional art making including additive, subtractive, casting and modeling processes while investigating a variety of media. Students will work in a more conceptual manner to develop their own ideas, style and artistic voice while developing a portfolio.
AP Drawing Portfolio	50.0811001 50.0811002	Y	11-12	Teacher Recommendation	<u>College Board AP Course Descriptions</u> AP level content culminating in AP portfolio submission and/or AP exam
AP 2D Design	50.0813001 50.0913002	Y	11-12	Teacher Recommendation	<u>College Board AP Course Descriptions</u> AP level content culminating in AP portfolio submission and/or AP exam
AP 3D Design	50.0814001 50.0841002	Y	11-12	Teacher Recommendation	<u>College Board AP Course Descriptions</u> AP level content culminating in AP portfolio submission and/or AP exam
AP Art History	50.0921001 50.0921002	Y	10-12	Teacher Recommendation	<u>College Board AP Course Descriptions</u> Explore the history of art across the globe from prehistory to the present. You'll analyze works of art through observation, discussion, reading, and research.

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Career, Technical & Agricultural Education (CTAE)

Automobile Maintenance and Light Repair Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Basic Maintenance and Light Repair	47.5311001 47.5311002	Y	9-12	None	This course is designed as the foundational course for the Automobile Maintenance and Light Repair Pathway. Students in this course will learn the basic skills needed to gain employment as a maintenance and light repair technician. Students will be exposed to courses in automotive preventative maintenance and servicing and replacing brakes and steering and suspension components. In addition, students will learn how to do general electrical system diagnosis, learn electrical theory, perform basic tests and determine necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. The hours completed in this course are aligned with ASE/NATEF standards and are a base for the entry-level technician. The pre-requisite for this course is advisor approval.
Maintenance and Light Repair 2	47.5321001 4705321002	Y	10-12	Basic Maintenance and Light Repair	Students will learn the basic skills needed to gain employment as a maintenance and light repair technician and will expose students to automotive preventative maintenance and servicing, as well as replacing brakes, and steering and suspension components. Students will also learn general electrical system diagnosis, electrical theory, basic test requirements, and determining necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. Standards for this course are aligned with the ASE/NATEF standards and are an excellent foundation for the entry-level technician.
Maintenance and Light Repair 3	47.5331001 47.5331002	Y	11-12	Maintenance and Light Repair 2	Students will learn the basic skills needed to gain employment as a maintenance and light repair technician and will expose students to automotive preventative maintenance and servicing, as well as replacing brakes, and steering and suspension components. Students will also learn general electrical system diagnosis, electrical theory, basic test requirements, and determining necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. Standards for this course are aligned with the ASE/NATEF standards and are an excellent foundation for the entry-level technician.

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Computer Science Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Introduction to Digital Technology	11.4150001 11.4150002	Y	9-12	None	Introduction to computer maintenance, multimedia graphics, databases, web design, and programming
AP Computer Science Principles	11.0190001 11.0190002	Y	10-12	Introduction to Digital Technology and application	<u>College Board AP Course Descriptions</u>
AP Computer Science A	11.0160001 11.0160002	Y	11-12	AP Computer Science Principles and application	<u>College Board AP Course Descriptions</u>

Engineering and Technology Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Foundations of Engineering Technology	21.4250001 21.4250002	Y	9-12	None	Robotics and manufacturing, computer numerical control, automation, research and computer-aided design, advertising and presentation, video production, radio-audio communication, laser and fiber optics, flight and space, solar energy, electricity and electronics, internal combustion engine, transportation, simple machines, and pneumatics/hydraulics
Engineering Concepts	21.4710001 21.4710002	Y	10-12	Foundations of Engineering & Technology	Technological concepts, processes and systems, problem-solving, safety, teamwork, equipment, analysis and evaluation, and career opportunities.
Engineering Applications	21.4720001 21.4720002	Y	11-12	Foundations of Engineering & Technology AND Engineering Concepts	Engineering concepts, process and systems, problem solving, safety, teamwork, equipment, analysis and evaluation, and career opportunities.
Research, Design, Project Management	21.4610001 21.4610002	Y	11-12	Completion of Engineering and Technology Pathway and Teacher Approval	Provides students with opportunities to work with students from other pathways as a member of a design team. Research strategies, prototype testing and evaluation, and communication skills are emphasized

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Fashion, Merchandising and Retail Management Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Marketing Principles	08.4740001 08.4740002	Y	9-12	None	Marketing Principles is the foundational course for the Marketing and Management, Fashion Merchandising and Buying, and Marketing Communications and Promotion Pathways. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies. Instructional projects with real businesses, work-based learning activities including School-Based Enterprises, and DECA application experiences should be incorporated in this course.
Fashion, Merchandising and Retailing Essentials	08.4210001 08.4210002	Y	10-12	Marketing Principles	Fashion, Merchandising and Retailing Essentials is the second course in the Fashion, Merchandising and Retail Management Pathway. This course introduces students to the retail industry including the fundamentals of fashion marketing, key marketing concepts essential to every business, types of businesses involved in the industry, and an array of career opportunities. Students will develop skills in such areas as fashion economics, marketing segmentation and target marketing, product selection and buying, and inventory systems.
Advanced Fashion, Merchandising and Retailing	08.4220001 08.4220002	Y	11-12	Marketing Principles and Fashion, Merchandising and Retailing Essentials	Advanced Fashion, Merchandising and Retailing is the third course in the Fashion, Merchandising and Retail Management Career Pathway and focuses on the application of knowledge and the performance of key skills required in a retail environment. Students will develop skills necessary for managing the following elements: pricing, visual merchandising, advertising, special promotions, professional sales, and customer service.

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Graphic Design Pathway					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Introduction to Graphics and Design	48.5610001 48.5610002	Y	9-12	None	This course is designed as the foundational course for both the Graphics Production and Graphics Design Pathways. The Graphics and Design course provides students with the processes involved in the technologies of printing, publishing, packaging, electronic imaging, and their allied industries. In addition, the Graphics and Design course offers a range of cognitive skills, aesthetics, and crafts that includes typography, visual arts, and page layout.
Graphic Design and Production	48.4620001 48.4620002	Y	10-12	Introduction to Graphics and Design	This course focuses on the procedures commonly used in the graphic design industry. Students will gain experience in creative problem solving and the practical implementation of those solutions across multiple areas of visual communications. Students will continue to explore the principles of design, page composition and the industry standard software (Adobe Photoshop, Illustrator and InDesign) through live work and project-based opportunities. As well, students will assist in the design and layout of the school newspaper.
Advanced Graphic Design	48.4280001 48.4280002	Y	11-12	Introduction to Graphics and Design and Graphic Design and Production	Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging and will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities.
AP Studio 2D Design	50.0813001 50.0813002	Y	11-12	Introduction to Graphics and Design, Graphic Design and Production, Advanced Graphic Design and teacher recommendation	<u>College Board AP Course Descriptions</u> Teacher Recommendation
Practicum B/Digital Production	48.5640001 48.5640002	Y	11-12	Graphic Design Pathway Completion and Teacher Approval	

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Marketing and Management Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Marketing Principles	08.4740001 08.4740002	Y	9-12	None	Marketing Principles is the foundational course for the Marketing and Management, Fashion Merchandising and Buying, and Marketing Communications and Promotion Pathways. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies. Instructional projects with real businesses, work-based learning activities including School-Based Enterprises, and DECA application experiences should be incorporated in this course.
Marketing and Entrepreneurship	08.4410001 08.4410002	Y	10-12	Marketing Principles	Marketing and Entrepreneurship is the second course in the Marketing and Management Career Pathway. Marketing and Entrepreneurship begins an in-depth and detailed study of marketing while also focusing on management with specific emphasis on small business ownership. This course builds on the theories learned in the Marketing Principles course by providing practical application scenarios which test these theories. In addition, Marketing and Entrepreneurship focuses on the role of the supervisor and examines the qualities needed to be successful.
Marketing Management	08.4420001 08.4420002	Y	11-12	Marketing Principles and Marketing and Entrepreneurship	Marketing Management is the third course in the Marketing and Management pathway. Students assume a managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management and financial alternatives, managing marketing information, pricing products and services, developing product/service planning strategies, promoting products and services, purchasing, and professional sales. This course also includes global marketing where students analyze marketing strategies employed in the United States versus those employed in other countries.

Therapeutic Services: Allied Health and Medicine Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Introduction to Healthcare Science	25.5210001 25.5210002	Y	9-12	None	Introduction to Healthcare Science is a foundations course for the Therapeutic Services Career Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization- Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is considered broad-based with high impact and is a prerequisite for all Healthcare Science Education courses.
Essentials of Healthcare	25.4400001 25.4400002	Y	10-12	Introduction to Healthcare Science	Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorder and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.
Allied Health and Medicine	25.4370001 25.4370002	Y	11-12	Introduction to Healthcare Science and Essentials of Healthcare	This course is designed to offer students (preferably upper classmen- juniors or seniors) the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. Students focusing on a career path in the healthcare field may apply classroom/lab knowledge and skills in the clinical setting as they participate in direct or simulated client care. The curriculum allows instructors to provide options for classroom/student growth opportunities in area(s) of interest to the student. These options may be determined by community need, available resources, and/or student interest, etc. This course was developed according to a basic 50-minute class time frame but may be adjusted according to local system schedules. Instructors may select which classroom content standards 1-14 best meet his/her individual classroom needs in addition to the required clinical/capstone project to equal total class time available for the course.

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Therapeutic Services: Sports Medicine Pathway

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Introduction to Healthcare Science	25.5210001 25.5210002	Y	9-12	None	Introduction to Healthcare Science is a foundations course for the Therapeutic Services Career Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization- Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is considered broad-based with high impact and is a prerequisite for all Healthcare Science Education courses.
Essentials of Healthcare	25.4400001 25.4400002	Y	10-12	Introduction to Healthcare Science	Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorder and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.
Sports Medicine	25.4460001 25.4460002	Y	11-12	Introduction to Healthcare Science and Essentials of Healthcare	Sports Medicine is the third course in the Therapeutic Services/Sports Medicine Career Pathway. The course is appropriate for students who wish to pursue a career in healthcare with a focus on the musculoskeletal system, injury assessment, injury prevention, or rehabilitation including careers in Sports Medicine and Rehabilitative Services. This course will enable students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are introduced. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support.

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Animation and Digital Media Pathway					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Introduction to Digital Media	11.4280001 11.4280002	Y	9-12	None	This course serves as an introduction to the Animation pathway. Students will learn the basic components of 2D and 3D animation development. Software includes Adobe Suite, Toon Boom and Maya.
Principles and Concepts of Animation	48.4220001 48.4220002	Y	10-12	Introduction to Digital Media	In Principles and Concepts of Animation, students will continue to develop and implement aesthetics of color selection, storyboarding in 2D digital animation, and develop animatic creations from 2D to 3D. Students in this course will learn interface tools, the use of drawing tools, animating the camera, importing images from web sources and files, working with sound and lip syncing, understanding paths and motion design, and frame by frame animation creation relative to sequence planning and pacing. This course will allow students to explore more advanced aspects of character animation including subtle character gesture and advanced action timing with emphasis on personal observation. The course will allow students to develop an understanding of basic sound considerations such as lip syncing, voice-overs, and the synchronization of sound and the visual product. This course will allow students to build on previously learned storyboarding skills, develop scripts, determine character motivations, consider setting and motion variables, and learn other unique traits of animation through integrated activities.
Advanced Animation, Game and App Design	48.4230001 48.4230002	Y	11-12	Principles and Concepts of Animation	In this course students will continue working in 2D and 3D environments by importing 3D models while working in 3D space morphing, and inverse kinematics. While learning the basics of Game and App design, the students will acquire knowledge of human and animal animations, apply the aesthetic and technical aspects of animation of characters, and analyze the physics and physicalizing of action, weight, and timing. The course advances student's knowledge of sound integration into animated products by focusing on skills that include lip-syncing, voice overs, and synchronization. Portfolio development will include animation reels and other products.
Animation Practicum Capstone	48.4240001 48.4240002	Y	11-12	Animation & Digital Media Pathway completion and teacher approval	

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English

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
9 th Literature and Composition	23.0610001 23.0610002	Y	9	None	Ninth Grade Literature and Composition is a study of literary genres. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn characteristics of basic literary genres, including the novel, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing. This course prepares students for college.
9 th Literature and Composition Honors	23.0610041 23.0610042	Y	9	Meet Fulton County Placement Guidelines	This course requires a teacher recommendation which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. Ninth Grade Literature and Composition- Honors is a study of literary genres. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts; to learn characteristics of basic literary genres, including the novel, short story, poetry, drama, and nonfiction; to establish effective writing and research habits; and to refine language skills as they apply to writing, listening, speaking, and viewing. This course prepares students for college.
10 th Literature and Composition	23.0620001 23.0620002	Y	10	9 th Literature	Tenth Grade Literature and Composition is organized thematically. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts. They will learn about universal themes and symbols common to literary works, including the novel, short story, poetry, drama, and nonfiction. Students will continue to build effective writing and research habits as they refine language arts skills which they will apply to writing, listening, speaking, and viewing. This course prepares students for college.
10 th Literature and Composition Honors	23.0620041 23.0620042	Y	10	9 th Literature	This course requires a teacher recommendation, which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. Tenth Grade Literature and Composition-Honors is organized thematically. Students will continue to develop vocabulary and apply effective reading strategies to a wide variety of literary and informational texts. They will learn about universal themes and symbols common to literary works, including the novel, short story, poetry, drama, and nonfiction. Students will continue to build on effective writing and research habits as they refine language arts skills which they will apply to writing, listening, speaking, and viewing. This course prepares students for college.
11 th American Literature and Composition	23.0510001 23.0510002	Y	11	10 th Literature	American Literature and Composition is a study of the major literary topics, themes, and movements in the history of the United States from pre-colonial times to present day. Students will focus on major literary forms of the emerging nation, analyze literary themes and trends, and both research and compose several papers, speeches, and presentations, using representative forms of discourse. This course prepares students for college.
11 th American Literature and Composition Honors	23.0510041 23.0510042	Y	11	10 th Literature	This course requires a teacher recommendation, which may be based on the following: approved writing, standardized test scores, and academic achievement. The honors level course has higher expectations and more rigorous coursework than the college preparatory level, including mandatory summer reading and written responses to literature. American Literature and Composition-Honors is a study of the major literary topics, themes, and movements in the history of the United States from pre- colonial times to present day. Students will focus on major literary forms of the emerging nation, analyze literary themes and trends, and both research and compose several papers, speeches, and presentations, using representative forms of discourse. This course prepares students for college.
AP Seminar ELA	23.0380001 23.0380002	Y	10-11	9 th Grade Honors	AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. College Board AP Course Descriptions . This course can count as your 10 th grade English credit.

AP Language and Composition	23.0530001 23.0530002	Y	11	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Advanced college level study of authors' styles and techniques, survey of American literature, review of writing skills, preparation for AP exam.
AP Literature & Composition	23.0650001 23.0650002	Y	12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Advanced college level study of literature and critical approaches, review of writing skills, preparation for AP exam
College English	23.0340400	Y	12	Successful application to appropriate college	Freshman English curriculum at the collegiate level.
Multi-Cultural Literature	23.0670001 23.0670002	Y	12	English 9,10,11	To what extent is it possible to describe an "American" experience? How are different people included in or excluded from the imagined community that is America? How does a person's race, class, gender, etc. affect his or her experience of belonging to this country? These are just some of the questions we will consider as we familiarize ourselves with the great diversity of experiences of people who have grow up in America. We will read and discuss selections written by men and women, by urban, suburban, and rural Americans, by lower, working, middle, and upper-class Americans, and by Asian Americans, African Americans, Native Americans, Latina/o, and European Americans. Throughout the course, we will explore how these writers write the "self" in literature. This course prepares students for college.
Dramatic Writing	52.0920001 52.0920002 (Fine Arts) 23.0310601 23.0310602 (English)	Y	12	English 9,10,11	Applies skills to culminate in creating and developing dramatic writing for theatrical media with a special emphasis on film and television. Includes development of "writerly stance" by reading, viewing, and analyzing texts and visual media from a writer's point of view, with focus on understanding the construction process and including the application of conventions of standard English grammar and usage. This course meets fourth English Language Arts core requirements for 12 th grade and also earn a Fine Arts credit (2.0 total credit earned for the course).
Journalism I Newspaper	23.0320001 23.0320002	Y	9-12	Application	Study of newspaper journalism, production of school newspaper.
Journalism II Newspaper	23.0330001 23.0330002	YY	10-12	Newspaper I and application	Advanced study of newspaper journalism, production of school newspaper.
Journalism III Newspaper	23.0350001 23.0350002	Y	11-12	Newspaper II and application	Advanced study of newspaper journalism, production of school newspaper.
Journalism IV Newspaper	23.0360001 23.0360002	Y	12	Newspaper III and application	Advanced study of newspaper journalism, production of school newspaper.
Journalism I Annual	23.0320003 23.0320004	Y	9-12	Application	Study of photo journalism, production of school annual.
Journalism II Annual	23.0330003 23.0330004	Y	10-12	Annual I and application	Advanced study of photo journalism, production of school annual.
Journalism III Annual	23.0350003 23.0350004			Annual II and application	Advanced study of photo journalism, production of school annual.
Speech/Forensics I	23.0460001 23.0460002	Y	9-12	None	Introduction to research skills, public speaking, and methods of debate including Lincoln-Douglas techniques of argumentation.
Speech/Forensics II	23.0470001 23.0470002	Y	10-12	Speech/Forensics I	Advanced research skills, public speaking, and methods of debate including Lincoln-Douglas techniques of argumentation.
Speech/Forensics III	23.0480001 23.0480002	Y	11-12	Speech/Forensics II	Advanced research skills, public speaking, and methods of debate including Lincoln-Douglas techniques of argumentation.

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Mathematics					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
GSE Algebra I	27.0990001 27.0990002	Y	9	Meet Fulton County Placement Guidelines	Algebra I is the first course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of algebra with correlated statistics applications.
GSE Algebra I Support	27.0997001 27.0997002	Y	9	None	Elective that is a companion class to GSE Algebra I for students who need additional mathematics support
GSE Accelerated Algebra I/Geometry A Honors	27.0994041 27.0994042	Y	9	Meet Fulton County Placement Guidelines	Accelerated GSE Algebra I/Geometry A is the first in a sequence of mathematics courses designed to ensure that students are prepared to take higher_level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics.
GSE Geometry	27.0991001 27.0991002	Y	10	Meet Fulton County Placement Guidelines	Geometry is the second course in a sequence of three required high school courses designed to ensure career and college readiness. The course represents a discrete study of geometry with correlated statistics applications.
GSE Geometry Support	27.0998001 27.0998002	Y	10	None	Elective that is a companion course to GSE Geometry for students who need additional support
GSE Geometry Honors	27.0991041 27.0991042	Y	9	Meet Fulton County Placement Guidelines	Course description is same as GSE Geometry. The distinction is that the course is only offered to students who are a year ahead in mathematics.
GSE Accelerated Geometry B/Algebra II Honors	27.0995041 27.0995042	Y	9-10	Meet Fulton County Placement Guidelines	Accelerated Geometry B/Algebra II is the second in a sequence of mathematics courses designed to ensure that students are prepared to take higher_level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics.
GSE Algebra II	27.0992001 27.0992002	Y	11	Meet Fulton County Placement Guidelines	Algebra II is the culminating course in a sequence of three high school courses designed to ensure career and college readiness. It is designed to prepare students for fourth course options relevant to their career pursuits.

GSE Algebra II Support	27.0999001 27.0999002	Y	11	Meet Fulton County Placement Guidelines	Elective that is a companion course to GSE Algebra II for students who need additional support.
GSE Algebra II Honors	27.0992041 27.0992042	Y	10	Meet Fulton County Placement Guidelines	Course description is the same as GSE Algebra II. The distinction is that the course is only offered to students who are a year ahead in mathematics.
GSE Pre-Calculus	27.0974001 27.0974002	Y	12	Meet Fulton County Placement Guidelines	Pre-Calculus is a fourth mathematics course designed to prepare students for calculus and other college level mathematics courses.
GSE Pre-Calculus Honors	27.0974041 27.0974042	Y	11	Meet Fulton County Placement Guidelines	Course description is the same as GSE Pre-Calculus. The distinction is that the course is only offered to students who are a year ahead in mathematics.
GSE Accelerated Pre-Calculus Honors	27.0977041 27.0977042	Y	10-11	Meet Fulton County Placement Guidelines	Accelerated Pre-Calculus is the third in a sequence of mathematics courses designed to ensure that students are prepared to take higher level mathematics courses during their high school career, including Advanced Placement Calculus AB, Advanced Placement Calculus BC, and Advanced Placement Statistics.
Advanced Math Decision Making (AMDM)	27.0850001 27.0850002	Y	12	Meet Fulton County Placement Guidelines	More in-depth study of statistical information, summaries, and methods of designing and conducting statistical studies; voting processes, modeling of data, and basic financial decisions; use of network models for making informed decisions.
Calculus (Non-AP)	27.0780001 27.0780002	Y	12	Meet Fulton County Placement Guidelines	Calculus is a fourth mathematics course option for students who have completed PreCalculus or Accelerated Pre-Calculus. It includes problem solving, reasoning and estimation, functions, derivatives, application of the derivative, integrals, and application of the integral.
AP Calculus AB	27.0720001 27.0720002	Y	11-12	Meet Fulton County Placement Guidelines	College Board AP Course Descriptions Real numbers and the Cartesian plane; review of functions, limits and their properties; derivatives, differentiation, and application; anti-derivatives and indefinite integration; area and definite integrals; integration by substitution; the Trapezoidal rule; logarithmic, exponential and other transcendental functions; and applications and methods of integration
AP Calculus BC	27.0730001 27.0730002	Y	11-12	Meet Fulton County Placement Guidelines	College Board AP Course Descriptions Review of functions; limits, and their properties; differentiation and integration; applications of differentiation; logarithmic, exponential, and other transcendental functions; applications of integration and integration techniques; improper integrals; and L'Hopital's Rule
AP Statistics	27.0740001 27.0740002	Y	11-12	Meet Fulton County Placement Guidelines	College Board AP Course Descriptions Introduction to statistics, descriptive statistics, probability; probability distributions and normal probability distributions; estimates and sample size; hypothesis testing; inferences from two samples; correlations and regression; multinomial experiments; analysis of variance; statistical process control; nonparametric statistics; and design and sampling

Non-Departmental					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Peer Leadership	45.0590001 (Fall) 45.0590002 (Spring)	S	12	Application and Approval from Administration	Office Aides (Peer Leaders) will have different experiences; Office Aides work in a variety of settings which may include the counseling department, assistant principal's office, main office, attendance office, and media center. You will be expected to co-lead new student orientation/groups, conduct school tours, and shadow/assist in your designated location.

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Performing Arts					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Fundamentals of Theatre 1	52.0210001	S	9-12	None	This semester introductory course is an exploration of theater as an artistic form that focuses on the appreciation and value of theater in society. It is a perfect place for beginning students to start learning about theater and is a prerequisite to several other theater courses.
Fundamentals of Theatre 2	52.0220002	S	9-12	Fundamentals of Theatre 1	This semester long companion course to Fundamentals of Theatre 1 is an in-depth exploration of theater as an artistic form that focuses on the appreciation and value of theater in society.
Acting 1	52.0610001 52.0610002	Y	10-12	Fundamentals of Theatre 1	This is a yearlong introduction to acting class. Beginning actors and actresses will be exposed to several different performance styles and methods which will improve their performance skills. This course uses theater to encourage cooperative learning, teamwork, organization, and leadership skills. Theater's forte is in the emotional arena, where participants can not only express emotion in a safe environment, but more pertinently, able to learn how to calibrate their emotional responses to various stimuli. This class allows all students the opportunity to perform on a regular basis.
Acting 2	52.0620001 52.0620002	Y	10-12	Acting 1	This yearlong course delves further into the techniques of acting through the introduction of 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 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. This course is designed for any student wishing to hone their acting skills to broaden the range of possibilities for performance.
Acting 3	52.0630001 52.0630002	Y	11-12	Acting 1 & 2	The focus of this year long 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. Students will be required to write critiques based on actual production seen outside the class.
Musical Theatre I Musical Theatre II Musical Theatre III	52.0310001 52.0310002 52.0320001 52.0320002 52.0330001 52.0330002	Y	9-12	Audition	Musical Theatre I-III is a yearlong class that establishes basic principles used in the process and production of modern theatre. Students will be introduced to a wide variety of musical theatre elements including musicality, movement, vocalization, artistry, acting, puppetry, and staging. The student discovers storyline and characters that exist in musicals, plays, and original pieces of drama. The student develops an understanding of performance techniques required for various roles and styles needed for specific performances and will gain experience in the creative process through active individual and group involvement.
Intermediate Chorus I	54.0221001 54.0221002	Y	9	Middle School Chorus or interested 10 th -12 th grade students	This course is offered for students at CHS with experience from middle school. Their middle school teacher must recommend them for the ensemble, based on their singing and sight singing skills. They perform a wide variety of music literature. No audition is required for this group, only a teacher recommendation from their previous choral director.

Adv. Mixed Chorus I	54.0231001 54.0231002	Y	10-12	Audition	This ensemble of upper classmen represents the most select vocal musicians in the school. They audition each spring for the following fall. Each member auditions for Georgia All-State Chorus in the fall of the year to measure their solo performance ability and skills in sight singing and tonal memory. The ensemble performs college level classical music and travels to compete at festivals. Audition required.
Adv. Mixed Chorus II	54.0232001 54.0232002				
Adv. Mixed Chorus III	54.0233001 54.0233002				
Mastery Chorus I	54.0235001 54.0235002	Y	10-12	Audition	This ensemble of upper classmen represents the top level of vocal musicians in the school. They audition each spring for the following fall. Each member auditions for Georgia All-State Chorus in the fall of the year to measure their solo performance ability and skills in sight singing and tonal memory. The ensemble performs college and professional level classical music and travels to compete at festivals. Audition required.
Mastery Chorus II	54.0236001 54.0236002				
Mastery Chorus III	54.0237001 54.0237002				
Intermediate Band I	53.0371001 53.0371002	Y	9	Current Enrollment in Band or Audition	Non-auditioned band. Class will stress fundamentals of playing. Reading notation, tone production, rhythm, articulation, and intonation are some of the skills that will be strengthened. Weekly playing and written quizzes will be given. Instrument supplies and equipment are required. The band will perform two concerts a year.
Intermediate Band II	53.0372001 53.0372002		10		
Intermediate Band III	53.0373001 53.0373002		11		
Intermediate Band IV	53.0374001 53.0374002		12		
Advanced Band I	53.0381001 53.0381002	Y	9	Current Enrollment in Band or Audition	Placement determined by audition only. This band is for more advanced instrumentalists. Basic skills will be reviewed and reinforced. Weekly written quizzes will be given. Access to a recording device is required. Recorded musical excerpts are required. Audition for all-district/all-state band is expected. Brass and Woodwind ensembles may be formed from this group. Instrument supplies and equipment are required. The band will perform four concerts per year.
Advanced Band II	53.0382001 53.0382002		10		
Advanced Band III	53.0383001 53.0383002		11		
Advanced Band IV	53.0384001 53.0384002		12		

Mastery Band I	53.0391001 53.0391002	Y	9	Current Enrollment in Band or Audition	Placement determined by audition only. This band is for very advanced instrumentalists. Basic skills will be reviewed and reinforced. Access to a recording device is required. Recorded musical excerpts are required. Audition for all-district/all-state band is expected. Brass and Woodwind ensembles may be formed from this group. Instrument supplies and equipment are required. The band will perform five concerts per year.
Mastery Band II	53.0392001 53.0392002		10		
Mastery Band III	53.0393001 53.0393002		11		
Mastery Band IV	53.0394001 53.0394002		12		
Ethnic Music Studies (Color guard-Fall Semester/Winter Guard-Spring)	53.0691001 53.0691002	S	9-12	Current Enrollment in Band or Audition	Required for students participating in the marching band color guard. See Mr. Garofalo with questions.
Percussion I-IV (Fall Semester)	53.0761001 53.0762001 53.0763001 53.0764001	S	9 10 11 12	Current Enrollment in Band or Audition	All marching band percussionists are required to enroll in this class. Every day there will be sectional and ensemble rehearsal.
Percussion I-IV (Spring Semester)	53.0761002 53.0762002 53.0763002 53.0764002	S	9 10 11 12	Current Enrollment in Band or Audition	Required course for band percussionists, pending director approval
Intermediate Orchestra I	53.0571001 53.0571002 53.0572001 53.0572002 53.0573001 53.0573002 53.0574001 53.0574002	Y	9 10 11 12	Current enrollment in Orchestra	This performing ensemble is designed for those students who have 2-3 years of string experience. The emphasis of instruction will be to develop sound performance technique. This ensemble will consist of strings only and will play repertoire of the various time periods in music history. During the preparation of this repertoire we will study performance technique, ear training, theory, posture, performance demeanor, and historical content.
Advanced Orchestra I	53.0581001 53.0581002	Y	9	Audition	
Advanced Orchestra II	53.0582001 53.0582002		10		
Advanced Orchestra III	53.0583001 53.0583002		11		
Advanced Orchestra IV	53.0584001 53.0584002		12		This performing ensemble is designed for those students who have 4 or more years of string experience. The emphasis of instruction is on developing advanced technique at both the individual and group levels. To foster advanced learning, we will continue our study of musical form, theory, ear training, ensemble repertoire, posture, positions, and full orchestra repertoire.

Mastery Orchestra I	53.0591001 53.0591002	Y	9	Audition	This performing ensemble is designed for those students with at least 5 years of string instruction. This ensemble may consist of strings, winds, and/or others as required by the orchestral repertoire. The emphasis of instruction will be to refine both personal and ensemble technique to better explore the richness of the orchestral tradition. Advanced study of musical technique, theory, form, posture, positions, history, and performance practice will be essential elements.
Mastery Orchestra II	53.0592001 53.0592002		10		
Mastery Orchestra III	53.0593001 53.0593002		11		
Mastery Orchestra IV	53.0594001 53.0594002		12		
Beginning Guitar	53.0841001 53.0841002	S	9-12	None	This class for beginners focuses on the basic guitar techniques-acoustic (Offered in the Fall and Spring)
Beginning Piano	53.0941001 53.0941002	S	9-12	None	This class for beginners focuses on the basics of piano performance (Offered in the Fall and Spring)
Beginner Percussion	53.0741001	S1	9-12	None	This class for beginners focuses on the basics of Percussion performance (Offered Fall Semester only)
Intro to Music History	53.0140001	S2	9-12	None	This class is a survey of music history from the modern era to the classical era (Offered Spring Semester Only)
AP Music Theory	53.0230001 53.0230002	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Prerequisites: Successful completion of biology and chemistry. Teacher recommendation required.

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Physical Education					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
General Health (Required course for graduation; typically taken 9 th grade year)	17.0110001	S	9	None	Wellness concepts, human sexuality, State ADAP requirements, CPR training, first aid procedures, safety practices, and responsibility for health decisions.
Personal Fitness (required course for graduation)	36.0510001	S	10-12	None	Personal fitness program, stress management, fitness games, nutrition, and weight training.
Beginning Weight Training	36.0540001 (Fall) 36.0540002 (Spring)	S S	9-12	None	Introduction to weight training and conditioning introduces correct lifting form; individual weight training programs are designed according to individual abilities
Advanced Weight Training	36.0640001 (Fall) 36.0640001 (Spring)	S S	10-12	Beginning Weight Training	Advanced weight training is designed to teach highly motivated students advanced techniques in developing muscular strength and endurance, as well as aerobic conditioning. Students will strength train and condition their bodies by learning and performing various techniques including power lifting, Olympic lifting, CrossFit training, speed/agility training, resistance band training, and cardiovascular endurance/interval training through periodization and overload principles. Students will increase their flexibility by learning and performing a variety of static and dynamic stretches. Fitness testing will be conducted twice each semester.
Physical Conditioning (Weight Training 3)	36.0520001 (Fall) 36.0520002 (Spring)	S S	11-12	Advanced Weight Training	Physical Conditioning is designed to teach highly motivated students advanced techniques in developing muscular strength and endurance, as well as aerobic conditioning. Students will strength train and condition their bodies by learning and performing various techniques including power lifting, Olympic lifting, CrossFit training, speed/agility training, resistance band training, and cardiovascular endurance/interval training through periodization and overload principles. Students will increase their flexibility by learning and performing a variety of static and dynamic stretches. Fitness testing will be conducted twice each semester.
Adv. Physical Conditioning	36.0620001 (Fall) 36.0620002 (Spring)	S S	9-12	Recommendation from Chattahoochee JV or Varsity Coach	This course is designed to develop Chattahoochee JV and Varsity athletes. Coaches will make the recommendation for participation in this class to align with their in season rosters and team goals.
Recreational Games	36.0270001 (Fall) 36.0270002 (Spring)	S	9-12	None	Badminton, table tennis, bowling, pickle ball, bocce ball and tennis. Final exam may be scheduled at a local bowling range
General P.E. 1 (Fall) General P.E. 2 (Fall) General P.E. 1 (Spring) General P.E. 2 (Spring)	36.0110001 36.0120001 36.0110002 36.0120002	S	9-12	None	Flag football, basketball, soccer, team handball, volleyball, badminton, and softball

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Science					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Biology	26.0120001 26.0120002	Y	9	Meet Fulton County Placement Guidelines	Biology is a two semester lab science course in which the student will develop scientific process skills and laboratory techniques, research skills, develop an understanding of the nature of biology, cellular biology matter and energy relationships, and biochemistry, genetics, the theory of evolution, the diversity of life (classification system), the human body and ecology. This is a lab inclusive course with 25% of the time expected to be spent in the lab. An end of course test (EOC) in biology is administered second semester to assess the progress of the students in the course. This test counts as the final exam for second semester and is 20% of the final grade. This course is required for graduation.
Biology Honors	26.0120041 26.0120042	Y	9	Meet Fulton County Placement Guidelines	Honors Biology is a lab science course designed for the advanced academic student who can critically analyze and apply biological concepts, the ability to gain information on the scientific processes through critical reading, and one who possesses strong organizational skills. This challenging course focuses on cytology, ecology, genetics, evolution, taxonomy, microbiology, botany, and zoology. Honors Biology students are required to complete an in-depth, individual literature review and research paper during the first semester. This is a lab inclusive course with 25% of the time expected to be spend in the lab.
AP Biology	26.0140001 26.0140002	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Prerequisites; Successful completion of biology and chemistry. Teacher recommendation required
Physics	40.0810001 40.0810002	Y	11-12	Meet Fulton County Placement Guidelines	This lab science course provides students with the necessary knowledge and skills in Physics. Physics extends the physical sciences to more abstract concepts including interactions of matter and energy, velocity, acceleration, forces, energy, momentum, thermodynamics, charge, electricity, magnetism, waves, light, optics, and subatomic physics. The subject is treated both conceptually and mathematically. Concepts are investigated through laboratory experiences and fieldwork designed for students to develop appropriate knowledge and skills in science as inquiry. This is a lab inclusive course with 25% of the time expected to be spent in the lab.
AP Physics I	40.0831001 40.0831002	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Prerequisites: Successful completion of biology and chemistry. Teacher recommendation required. It is recommended that Pre-Calculus Honors or a higher-level math course be taken concurrently.
AP Physics C Mech AP Physics C Elec	40.0841001 40.0842002	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Prerequisites: Successful completion of biology and chemistry. Teacher recommendation required. It is recommended that the student take AP Physics B as their first-year physics course and AP Calculus BC
Chemistry	40.0510001 40.0510002	Y	10-12	Meet Fulton County Placement Guidelines	This lab science course covers topics including the nature of matter and its classifications; atomic theory and the characteristics of atoms; the effects the motion of atoms and molecules have in chemical and physical processes; the organization of the periodic table and how to use it to predict properties of elements; how atoms combine to make chemicals and then recombine in chemical reactions; factors that can affect chemical reactions; characteristics of acids, bases, solutions; other topics as time allows. Chemistry students should have strong algebra and problem-solving skills and a firm grasp of the scientific method and its application. This is a lab inclusive course with 25% of the time expected to be spend in the lab.
Honors Chemistry	40.0510041 40.0510042	Y	10-12	Meet Fulton County Placement Guidelines	This course is a lab science course. Skills needed for this course are the ability to apply past learning to new concepts; the demonstration of abstract and higher-level thinking; the ability to perform algebraic manipulations easily; the ability to read critically; self-motivation; and experience in writing formal lab reports. Topics covered in this yearlong course are characteristics of science, the nature and classification of matter, stoichiometry, and conservation of matter, the atom, the atomic theory, the periodic table, and reaction rates. Honors Chemistry students are required to complete and in-depth, individual literature review during the first semester. This is a lab inclusive course with 25% of the time expected to be spend in the lab.
AP Chemistry	40.0530001 40.0530002	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Prerequisites: Successful completion of biology and chemistry. Teacher recommendation required.

Environmental Science	26.0611001 26.0611002	Y	11-12	Meet Fulton County Placement Guidelines	Environmental Science is a lab science course that integrates the study of many components of our environment, including the flow of energy and the cycling of matter, the interconnection of all life, the stability and change in ecosystems, conservation and resource allocation, and evaluation of human activity and technology. Instruction focuses on student data collection and analysis and interpretation of data gathered on global concepts. This is a lab inclusive course with 25% of the time expected to be spent in the lab.
AP Environmental Science	26.0620001 26.0620002	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Prerequisites: Three years of science including biology, chemistry, and physics or physical science honors. Teacher recommendation required.
Earth Systems	40.0640001 40.0640002	Y	11-12	Meet Fulton County Placement Guidelines	Earth Systems is a lab science course designed to investigate the connections among Earth's systems through Earth's history. These systems-the atmosphere, hydrosphere, geosphere, and biosphere- interact through time to produce the Earth's landscapes, ecology and resources. This course develops the explanations of phenomena fundamental to the sciences of geology and physical geography, including the early history of the Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and the history of life on Earth. This is a lab inclusive course with 25% of the time expected to be spend in the lab.
Forensic Science	40.0930001 40.0930002	Y	11-12	Meet Fulton County Placement Guidelines	The Forensic Science curriculum is designed to build upon science concepts and to apply science to the investigation of crime scenes. It serves as a fourth year of science for graduation and may serve in selected Career Technology programs. Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence. Prerequisite: Chemistry

Social Studies					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
American Government & Civics	45.0570001	S	9	Meet Fulton County Placement Guidelines	This course focuses on the political structure and decision-making process in the United States at the national level. It will also address citizenship and help develop the students' problem-solving skills. The course will include specific facts, basic concepts, analytical questions and generalizations associated with the U.S. Constitution, federal government, democracy, politics, laws, international affairs, and rights and responsibilities of citizens. Students will be required to gain a working knowledge of the political system in the United States and to understand their role as active participants in the formation of public policy.
AP U.S. Government and Politics	45.0520001 45.0520002	Y	9	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation
AP Human Geography	45.0770001 45.0770002	Y	9-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation
World History	45.0830001 45.0830002	Y	10	Meet Fulton County Placement Guidelines	World History is a yearlong course that attempts to trace the development of civilization from the earliest to the modern day. Students will identify the basic elements of all civilizations and trace the transition from the ancient to the advanced. Students will gain knowledge of important geography skills, recognizing patterns and connections, and will practice critical thinking skills. A strong emphasis is placed on relating historical events to current conditions of the world. Throughout the school year students will gain a global perspective of the events that helped create the society they live in today.
AP World History	45.0811001 45.0811002	Y	10	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation

U.S. History	45.0810001 45.0810002	Y	11	Meet Fulton County Placement Guidelines	This is a yearlong class organized chronologically but which also focuses on the themes of American democratic heritage, reform movements, and global interdependence. In the first semester, connections are made with enduring social, economic, and political issues in the context of the time period covering the settlement of North America through the early twentieth century. The semester includes an exploration of the development of and challenges to democracy as well as an analysis of national growth and reform. Second semester focuses on the emergence of the United States as a world power, involvement of the United States in the World Wars, the cold war, social change, and the role of the United States in the modern world.
AP U.S. History	45.0820001 45.0820002	Y	11	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation
Personal Finance and Economics	45.0610001	S	12	Meet Fulton County Placement Guidelines	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 Microeconomics	45.0630001	S	12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation; Students take AP Microeconomics in the fall and AP Macroeconomics in the spring.
AP Macroeconomics	45.0620001	S	12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation; Students take AP Microeconomics in the fall and AP Macroeconomics in the spring.
Sociology	45.0310001	S	11-12	Meet Fulton County Placement Guidelines	Sociology is the scientific study of human social interaction. Students will use current readings and class discussions to explore such topics as social groups; social institutions-family, education, religion, economy and government; social stratification and inequality; deviance; collective behavior and social change.
Sports in American Society	45.0190001 45.0190002	S	9-12	None	This elective course examines the vital sociological role of sport in the making of United States society and culture, and vice-versa. The course analyzes the reasons for and popularity of youth, high school, collegiate, and professional sports and the interrelationship between sports and other social institutions, such as the economy, education, media, and politics. Inequalities and deviance in society that are reflected in sports are discussed, along with social progress championed through sports. Current issues and controversies in sports that are a microcosm of society are also presented.
AP European History	45.0840001 45.0840002	Y	10-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation
AP Psychology	45.0160010	Y	11-12	Meet Fulton County Placement Guidelines	<u>College Board AP Course Descriptions</u> Teacher Recommendation
AP Research	45.0182000	Y	11-12	AP Seminar	<u>College Board AP Course Descriptions</u> Teacher Recommendation

Talented and Gifted (TAG)

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
Directed Study (1 st Semester)	70.2320001	S	11-12	Approval of TAG teacher. Students must have a signed Directed Study sheet. Please	This course allows TAG students to develop their own course of study. Students plan the content of the course, projects to be produced, and the methods of evaluation to be used. Each course of study must include a minimum of twelve gradable experiences. Students work with a TAG teacher who directs their study. Prerequisites: Students must complete an application, and have it approved by the department prior to the quarter in which the Directed Study is being requested. The deadline for approval is midterm of the previous semester.
Directed Study (2 nd Semester)	70.2320002				

				obtain the form from the TAG office	
Gifted Career Internship (1 st Semester)	70.2210001	S	11-12	Approval of TAG teacher;	This course provides an on-site, mentor study opportunity for students with a career interest in fields such as accounting, advertising, architecture, banking, engineering, journalism, law, medicine, Veterinary medicine, etc. Students are placed with a professional in their field of choice, at a job site, to earn course credit. Students are enrolled in an Internship class, typically 7 th period. Students must have their own transportation to job sites. Gifted internships are unpaid.
Gifted Career Internship (2 nd Semester)	70.2210002			TAG seminar "Hire Me"	

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World Languages					
Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Major Topics
French 1	60.0110001 60.0110002	Y	9-12	Meet Fulton County Placement Guidelines	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 2	60.0120001 60.0120002	Y	9-12	Meet Fulton County Placement Guidelines	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 2 Honors	60.0120041 60.0120042	Y	9-12	Meet Fulton County Placement Guidelines	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 3	60.0130001 60.0130002	Y	10-12	Meet Fulton County Placement Guidelines	Daily routines, family relations, history, geography, travel, accommodations, festivals, leisure time, food, current events, careers, aspects of art and literature
French 3 Honors	60.0130041 60.0130042	Y	10-12	Meet Fulton County Placement Guidelines	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 4 Honors	60.0140041 60.0140042	Y	11-12	Meet Fulton County Placement Guidelines	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	Y	11-12	Meet Fulton County Placement Guidelines	College Board AP Course Descriptions Teacher Recommendation
Spanish for Native Speakers 1	60.0790001 60.0790002	Y	9-10	Meet Fulton County Placement Guidelines	This sequenced course focuses on the development of intermediate communicative competence in reading, writing, speaking and listening and viewing, as well as on understanding Hispanic cultures and issues of identity for heritage speakers of Spanish in the United States. Students will also develop an awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events.
Spanish for Native Speakers 2	60.0791001 60.0791002	Y	10-11	Meet Fulton County Placement Guidelines; 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.
Spanish 1	60.0710001 60.0720002	Y	9-12	Meet Fulton County Placement Guidelines	Numbers, weather, colors, celebrations, family, routines, self, school, clothing, shopping, food, transportation, body parts, health/emotions, animals, leisure time, sports, geography
Spanish 2	60.0720001 60.0720002	Y	9-12	Meet Fulton County Placement Guidelines	Leisure time, travel, food/restaurants, fine arts, news, childhood experiences, family, celebration, daily routines, beach, chores, and health; Spanish-speaking countries and Latino culture in the U.S.
Spanish 2 Honors	60.0720041 60.0720042	Y	9-12	Meet Fulton County Placement Guidelines	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 3	60.0730001 60.0730002	Y	10-12	Meet Fulton County Placement Guidelines	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 3 Honors	60.0730041 60.0730042	Y	10-12	Meet Fulton County Placement Guidelines	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 4	60.0740001 60.0740002	Y	10-12	Meet Fulton County Placement Guidelines	Intense development of communicative, cultural, and advanced grammatical competence; final preparation for AP Spanish; near-exclusive use of Spanish in class
Spanish 4 Honors	60.0740041 60.0740042	Y	11-12	Meet Fulton County Placement Guidelines	Intense development of communicative, cultural, and advanced grammatical competence; final preparation for AP Spanish; near-exclusive use of Spanish in class
AP Spanish Language and Culture	60.0770001 60.0770002	Y	11-12	Meet Fulton County Placement Guidelines	College Board AP Course Descriptions Teacher Recommendation
Latin 1	61.0410001 61.0410002	Y	9-12	Meet Fulton County Placement Guidelines	Latin pronunciation, vocabulary and derivatives; basic grammar, reading, mythology; Roman history, culture, and art; Pompeii; Alexandria; Roman Britain
Latin 2	61.0420001 61.0420002	Y	10-12	Meet Fulton County Placement Guidelines	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 2 Honors	61.0420041 61.0420042	Y	10-12	Meet Fulton County Placement Guidelines	In-depth study of all topics in Latin 2; in addition, literary analysis of texts from original Roman
Latin 3 Honors	61.0430041 61.0430042	Y	11-12	Meet Fulton County Placement Guidelines	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 4 Honors	61.0440041 61.0440042	Y	11-12	Meet Fulton County Placement Guidelines	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	61.0480001 61.0480002	Y	11-12	Meet Fulton County Placement Guidelines	College Board AP Course Descriptions Teacher Recommendation

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