RCHS
2025-26 COURSE DESCRIPTIONS

ENGLISH

Literature & Composition I

Literature & Composition I is the first course (required) in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition I focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline-specific practices. This course must utilize the 9-12 standards and 9th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards. Literature & Composition I is a required (r) course for graduation starting in the 2025-26 school year.

Honors Literature & Composition I
End of Course Assessment Requirement

Literature & Composition I is the first course (required) in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition I focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline-specific practices. This course must utilize the 9-12 standards and 9th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards. Literature & Composition I is a required (r) course for graduation starting in the 2025-26 school year.

Although the standards remain the same, the honors level of **Literature & Composition I** involves an increased reading and writing workload than the non-honors class. Honors students will be expected to deeply read and analyze texts, both with and without classroom guidance. Honors classes cover text and material at an accelerated pace. This class is targeted for motivated students who are more inclined for rigorous assignments.

Prerequisite: A score of 3 or 4 on their previous ELA EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

Literature & Composition II

Literature & Composition II is the second course (required) in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition II focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline specific practices. This course must utilize the 9-12 standards and 10th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards.

Honors Literature & Composition II

Literature & Composition II is the second course (required) in the sequence of secondary English language arts courses required for graduation. This course develops the integrated skill set that comprises the English language arts discipline to ensure that students are on track to be college and work ready. Literature & Composition II focuses on the interpretation, evaluation, construction, and design of texts across genres and modes in a variety of real-world, academic, and disciplinary contexts while sustaining and building mastery of language applications and discipline specific practices. This course must utilize the 9-12 standards and 10th grade expectations of Georgia's K-12 English Language Arts (ELA) Standards.

Although the standards remain the same, the honors level of **Literature & Composition II** involves an increased reading and writing workload than the non-honors class. Honors students will be expected to deeply read and analyze texts, both with and without classroom guidance. Honors classes cover text and material at an accelerated pace. This class is targeted for motivated students who are more inclined for rigorous assignments.

Prerequisite: A score of 3 or 4 on their previous ELA EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

American Literature & Composition

American Literature & Composition focuses on the integrated study of American texts; students develop an understanding of texts from at least three literary periods, considering history's impact on the literature's text structures, themes, and stylistic features. Students continue the integrated study of text interpretation and composition, with an emphasis on multimodal texts, literary analysis, and research. Students will examine how historical events have influenced American writers, and they will also consider how in turn the nation's literature has affected historical events and shaped public opinion. By the end of the course, students will have a deeper understanding of the interconnection between American history and literature, preparing them for future academic pursuits and fostering an appreciation for America's literary legacy. This course will utilize the 9-12 standards and appropriate grade-level expectations of Georgia's K-12 English Language Arts (ELA) Standards.

Honors American Literature & Composition

American Literature & Composition focuses on the integrated study of American texts; students develop an understanding of texts from at least three literary periods, considering history's impact on the literature's text structures, themes, and stylistic features. Students continue the integrated study of text interpretation and composition, with an emphasis on multimodal texts, literary analysis, and research. Students will examine how historical events have influenced American writers, and they will also consider how in turn the nation's literature has affected historical events and shaped public opinion. By the end of the course, students will have a deeper understanding of the interconnection between American history and literature, preparing them for future academic pursuits and fostering an appreciation for America's literary legacy. This course will utilize the 9-12 standards and appropriate grade-level expectations of Georgia's K-12 English Language Arts (ELA) Standards.

Although the standards remain the same, the honors level of **American Literature & Composition** involves an increased reading and writing workload than the non-honors class. Honors students will be expected to deeply read and analyze texts, both with and without classroom guidance. Honors classes cover text and material at an accelerated pace. This class is targeted for motivated students who are more inclined for rigorous assignments.

Prerequisite: Successful completion of ELA prerequisite courses, a score of 3 or 4 on their previous ELA EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

Multicultural Literature & Composition

Multicultural Literature & Composition focuses on texts by and about people of diverse ethnic backgrounds. Students explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing communication styles and universal themes; they will make connections between works from at least three literary periods and the historical or contemporary contexts in which they were written. Students routinely engage in the integrated and recursive literacy practices that ground, shape, and inform their interpretations and constructions of texts that apply their grammar conventions, vocabulary, context, structure and style, techniques, research and analysis, and periods and movements understandings. This course utilizes the 9th-12th grade standards and the appropriate grade-level expectations in Georgia's K-12 English Language Arts (ELA) Standards.

Honors Multicultural Literature & Composition

Multicultural Literature & Composition focuses on texts by and about people of diverse ethnic backgrounds. Students explore themes of linguistic and cultural diversity by comparing, contrasting, analyzing, and critiquing communication styles and universal themes; they will make connections between works from at least three literary periods and the historical or contemporary contexts in which they were written. Students routinely engage in the integrated and recursive literacy practices that ground, shape, and inform their interpretations and constructions of texts that apply their grammar conventions, vocabulary, context, structure and style, techniques, research and analysis, and periods and movements understandings. This course utilizes the 9th-12th grade standards and the appropriate grade-level expectations in Georgia's K-12 English Language Arts (ELA) Standards.

Although the standards remain the same, the honors level of **Multicultural Literature & Composition** involves an increased reading and writing workload than the non-honors class. Honors students will be expected to deeply read and analyze texts, both with and without classroom guidance. Honors classes cover text and material at an accelerated pace. This class is targeted for motivated students who are more inclined for rigorous assignments.

Prerequisite: Successful completion of ELA prerequisite courses, a score of 3 or 4 on their previous ELA EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

AP English Language & Composition ***RIGOR***

This course is a study of rhetoric and the power of language, as well as a thematic study of significant works in American literature and genres of writing. AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes (argumentative, analytical, synthesis, narrative, expository, personal, reflective), audience expectations, and subjects as well as the way writing conventions and the resources of language contribute to effectiveness in writing. Students must demonstrate mastery of written expression that includes analysis of authors' styles, including tone, diction, syntax, rhetorical patterns, and use of figurative language. The College Board administers a culminating assessment, including multiple-choice questions and free response composition that could result in earned college credits. This is a college-level course, and successful students find that independent study is necessary.

Prerequisite: Successful completion of ELA prerequisite courses, a score of 3 or 4 on their previous ELA EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

AP English Literature & Composition ***RIGOR***

This course conforms to the College Board recommendations for the Advanced Placement Literature and Composition Examination. It covers the study and practice of writing and the study of literature and stresses modes of discourse, assumptions underlying rhetorical strategies, connotation, metaphor, irony, syntax, and tone. Emphasis is placed on writing critical analyses of literature and includes essays in exposition and argument, poetry, drama, prose fiction, and expository literature. The College Board administers a culminating assessment, including multiple-choice questions and free response composition that could result in earned college credits. This is a college-level course, and successful students find that independent study is necessary.

Prerequisite: Successful completion of ELA prerequisite courses, a score of 3 or 4 on their previous ELA EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

DUAL ENROLLMENT – See your school counselor for more information ***RIGOR***

FOREIGN LANGUAGE

Spanish I

Introduces the Spanish language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Spanish-speaking cultures.

Spanish II ***RIGOR***

Spanish II is designed to continue developing the level one skills in Spanish which include listening, speaking, reading, and writing. It provides continued practice within a range of selected topics that exhibit varying levels of proficiency. The student will also increase their understanding of Spanish and Hispanic culture.
Prerequisite: Spanish I

Spanish III ***RIGOR***

Spanish III is designed to continue and build on the skills developed in levels one and two. Dialogue design, projects, and papers will be regular parts of skill building activities as well as using appropriate movies and Internet sources for listening skills. The students will also see an increased focus on cultural aspects of different Spanish speaking countries.
Prerequisite: Spanish II

French I

French I introduces the French language and emphasizes all skills – listening, speaking, reading, and writing – in an integrated way. The course includes how to greet and take leave of someone, how to ask and respond to basic questions, how to speak and read within a range of carefully selected topics, and how to develop an understanding of French-speaking cultures. Themed units include: “Bonjour,” “Pastimes,” “At School,” “The Weekend Together,” and “People that I Know.”

French II ***RIGOR***

French II is designed to continue developing the Level One skills in French I which include listening, speaking, reading, and writing. It provides continued practice within a range of selected themes, such as “Summertime Activities,” “Paris,” “Daily Life,” “Times Past,” and “Bon Voyage et Bonne Route!” Language development in these topics will exhibit varying levels of grammatical proficiency, including the use of past and future verb tenses, as well as reflexive and imperative verb structures. The student will also increase their understanding of France and the Francophone cultures around the world.
Prerequisite: French I

French III ***RIGOR***

French III is designed to continue and build on the skills developed in Levels One and Two. Dialogue design, projects, and papers will be regular parts of skill building activities, as well as using appropriate movies and Internet sources for listening skills. Verb structures include: present, past, future, imperfect, and conditional tenses, as well as the subjunctive mood. Themes of study include: “Moments of Life,” “Personal Relationships,” “The French-Speaking World,” “Preparing for Travel,” and “Getting Around in France.” The students will also see an increased focus on cultural aspects of different French-speaking countries.
Prerequisite: French II

MATHEMATICS

The Georgia Mathematics Curriculum focuses on actively engaging the students in the development of mathematical understanding by using manipulatives and a variety of representations, working independently and cooperatively to solve problems, estimating and computing efficiently, and conducting investigations and recording findings. There is a shift towards applying mathematical concepts and skills in the context of authentic problems and for the student to understand concepts rather than merely follow a sequence of procedures. In mathematics classrooms, students will learn to think critically in a mathematical way with an understanding that there are many different ways to a solution and sometimes more than one right answer in applied mathematics. Mathematics is the economy of information. The central idea of all mathematics is to discover how knowing some things well, via reasoning, permits students to know much else—without having to commit the information to memory as a separate fact. It is the connections, the reasoned, logical connections that make mathematics manageable. As a result, implementation of Georgia's Standards of Excellence places a greater emphasis on problem solving, reasoning, representation, connections, and communication.

College Readiness Mathematics (9th Grade Course) ***RIGOR***

This course focuses on key content and practice standards to ensure that students will be ready for post-secondary academic courses and career preparation in non-STEM fields. The course will emphasize numeracy, algebra and functions, geometry, and statistics in a variety of contexts. Instruction and assessment should include the appropriate use of manipulatives and technology. Mathematics concepts should be represented in multiple ways, such as concrete/pictorial, verbal/written, numeric/data-based, graphical, and symbolic. Concepts should be introduced and used, where appropriate, in the context of realistic experiences. The Standards for Mathematical Practice will provide the foundation for instruction and assessment. The content standards selected are essential for post-secondary preparation in non-STEM study.

Algebra: Concepts and Connections
End of Course Assessment Requirement

Algebra: Concepts and Connections is the first course in a sequence of three high school courses designed to ensure career and college readiness. 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.
Prerequisite: Successful completion of prerequisite course (College Readiness Mathematics or equivalent)

Honors Algebra: Concepts and Connections
End of Course Assessment Requirement

This class is targeted for motivated students who are more inclined for rigorous assignments and will require a deeper understanding of the mathematical concepts.
Algebra: Concepts and Connections is the first course in a sequence of three high school courses designed to ensure career and college readiness. 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.
Prerequisite: Successful completion of Math prerequisite courses, a score of 3 or 4 on their previous Math EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

Algebra Support

The purpose of this course is to support students in their effort to meet the standards of more rigorous and relevant mathematics courses. This course is taken concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses**.**
This course is taken for elective credit only.

Geometry: Concepts and Connections

Geometry: Concepts and Connections is the second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance 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.
Prerequisite: Successful completion of prerequisite courses (College Readiness Mathematics & Algebra: Concepts and Connections or equivalent)

Honors Geometry: Concepts and Connections

This class is targeted for motivated students who are more inclined for rigorous assignments and will require a deeper understanding of the mathematical concepts.
Geometry: Concepts and Connections is the second course in a sequence of three high school courses designed to ensure career and college readiness. This course is intended to enhance 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.
Prerequisite: Successful completion of Math prerequisite courses, a score of 3 or 4 on their previous Math EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

GSE Geometry Support

The purpose of this course is to support students in their effort to meet the standards of more rigorous and relevant mathematics courses. This course is taken concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses**.**
This course is taken for elective credit only.

Advanced Algebra: Concepts & Connections ***RIGOR***

Advanced Algebra: Concepts & Connections is the third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning.
Prerequisite: Successful completion of prerequisite courses (College Readiness Mathematics, Algebra: Concepts and Connections & Geometry or equivalent)

Honors Advanced Algebra: Concepts & Connections ***RIGOR***

This class is targeted for motivated students who are more inclined for rigorous assignments and will require a deeper understanding of the mathematical concepts.
Advanced Algebra: Concepts & Connections is the third course in a sequence of courses designed to ensure career and college readiness. It is intended to prepare students for fourth mathematics course options relevant to their postsecondary pursuits. High school course content standards are listed by big idea, including Data and Statistical Reasoning, Probabilistic Reasoning, Functional and Graphical Reasoning, Patterning and Algebraic Reasoning, and Geometric and Spatial Reasoning.
Prerequisite: Successful completion of Math prerequisite courses, a score of 3 or 4 on their previous Math EOG/EOC Milestone Assessment AND teacher recommendation or must have earned an 85 or above in their two previous specific core content area courses.

Advanced Algebra Support

The purpose of this course is to support students in their effort to meet the standards of more rigorous and relevant mathematics courses. This course is taken concurrently with a student's regular math class, giving extra time and utilizing a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses**.**
This course is taken for elective credit only.

AP Pre-Calculus ***RIGOR***

This course follows the College Board syllabus for the Advanced Placement Precalculus Examination.
AP Precalculus is designed to be the equivalent of a first semester college precalculus course. AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college level mathematics courses. This course explores a variety of function types and their applications—polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation and engage each function type through their graphical, numerical, analytical, and verbal representations.
Prerequisite: Students must have successfully completed Honors Advanced Algebra, and have teacher recommendation.

College Readiness Mathematics (12th Grade Course) ***RIGOR***

This course focuses on key content and practice standards to ensure that students will be ready for post-secondary academic courses and career preparation in non-STEM fields. The course will revisit and expand the understanding of content standards introduced in earlier mathematics courses and will emphasize numeracy, algebra and functions, geometry, and statistics in a variety of contexts. Instruction and assessment should include the appropriate use of manipulatives and technology. Mathematics concepts should be represented in multiple ways, such as concrete/pictorial, verbal/written, numeric/data-based, graphical, and symbolic. Concepts should be introduced and used, where appropriate, in the context of realistic experiences. The Standards for Mathematical Practice will provide the foundation for instruction and assessment. The content standards selected are essential for post-secondary preparation in non-STEM study.
Prerequisite: Successful completion of prerequisite courses

AP Calculus AB ***RIGOR***

This course follows the College Board syllabus for the Advanced Placement Calculus AB Examination.
The course includes properties of functions and graphs, limits and continuity, differential and integral calculus.
Prerequisite: Students must have successfully completed AP Pre-Calculus, and have teacher recommendation.

DUAL ENROLLMENT – See your school counselor for more information ***RIGOR***

SCIENCE

Environmental Science

The Environmental Science curriculum is designed to extend student investigations that began in grades K-8. This curriculum is extensively performance, lab and field based. It integrates the study of many components of our environment, including the human impact on our planet. Instruction should focus on student data collection and analysis. Some concepts are global; in those cases, interpretation of global data sets from scientific sources is strongly recommended. It would be appropriate to utilize resources on the Internet for global data sets and interactive models. Chemistry, physics, mathematical, and technological concepts should be integrated throughout the course. Whenever possible, careers related to environmental science should be emphasized.

Earth Systems

Earth Systems Science is designed to continue student investigations that began in K-8 Earth and Life Science curricula and investigate the connections among Earth's systems through Earth history. These systems--the atmosphere, hydrosphere, geosphere, and biosphere--interact through time to produce the Earth's landscapes, ecology, and resources. This course develops the explanations of phenomena fundamental to the sciences of geology, physical geography, including early history of the Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and the history of life on Earth
Prerequisites: Successful completion of Environmental Science.

Biology
End Of Course Assessment Requirement

The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students investigate biological concepts through experience in laboratories and field work using the processes of inquiry.
Prerequisites 10th Grade Students: Successful completion of Physical Science, 3 or 4 on the most recent Science EOC/EOG, and a teacher recommendation from their most recent Science teacher.

Honors Biology
End Of Course Assessment Requirement

The Biology curriculum is designed to continue student investigations of the life sciences that began in grades K-8 and provide students the necessary skills to be proficient in biology. This curriculum includes more abstract concepts such as the interdependence of organisms, the relationship of matter, energy, and organization in living systems, the behavior of organisms, and biological evolution. Students investigate biological concepts through experience in laboratories and field work using the processes of inquiry.
Prerequisites: Successful completion of eighth grade Physical Science with acceptance of high school credit, 3 or 4 on the most recent Science EOG, and a teacher recommendation from their most recent Science teacher.

Physical Science

The Physical Science curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to have a richer knowledge base in physical science. This course is designed as a survey course of chemistry and physics. This curriculum includes the more abstract concepts such as the conceptualization of the structure of atoms, motion and forces, and the conservation of energy and matter, the action/reaction principle, and wave behavior. Students investigate physical science concepts through experience in laboratories and field work using the processes of inquiry.

Chemistry ***RIGOR***

The Chemistry curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in chemistry. This curriculum includes more 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.
Prerequisites: Successful completion of Environmental Science, Biology, and Physical Science OR Honors Biology, 3 or 4 on the most recent Science EOC/EOG, a teacher recommendation from their most recent Science teacher.

AP Chemistry ***RIGOR***

AP Chemistry is a rigorous, fast-paced class that follows a college-level general chemistry curriculum. The course prepares students to take the Advanced Placement Examination for Chemistry that may lead to college credit. Many topics from First Year Chemistry are reviewed and studied to greater depth. Additional advanced topics that are covered include chemical equilibria, chemical kinetics, and thermodynamics. Extensive laboratory work is included.
Prerequisites: Successful completion of Honors Biology and Chemistry, 3 or 4 on the most recent Science EOC/EOG, a teacher recommendation from their most recent Science teacher.

Physics ***RIGOR***

The Physics curriculum is designed to continue student investigations of the physical sciences that began in grades K-8 and provide students the necessary skills to be proficient in physics. This curriculum includes more 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.
Prerequisites: Successful completion of Honors Biology and Chemistry, 3 or 4 on the most recent Science EOC/EOG, a teacher recommendation from their most recent Science teacher.

Forensic Science ***RIGOR***

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.
Prerequisites: Successful completion of Biology, and Physical Science, 3 or 4 on the most recent Science EOC/EOG, a teacher recommendation from their most recent Science teacher.

Animal Science and Biotechnology

This course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. This course introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

General Horticulture and Plant Science

This course is designed as an introduction for the Horticulture-Plant Science Pathway Program of Study. The course introduces the major concepts of plant and horticulture science. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

DUAL ENROLLMENT – See your school counselor for more information ***RIGOR***

SOCIAL STUDIES

AP Human Geography ***RIGOR***

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. This course is open to all grade levels.
This course is taught as a college course with a rigorous curriculum. Students will be expected to take the AP Exam at the end of the school year. Prerequisite: A score of 3 or 4 on their previous EOG, and teacher recommendation

World History

Emphasizes the political, cultural, economic and social development and growth of civilizations. Covers the development of change beginning with ancient civilizations, the emergence of nations through trade/communications, intellectual development, scientific/technological development, emergence of nation states, nations in conflict and the emerging interdependence of nations in the twentieth century.

Honors World History

Emphasizes the political, cultural, economic and social development and growth of civilizations. Covers the development of change beginning with ancient civilizations, the emergence of nations through trade/communications, intellectual development, scientific/technological development, emergence of nation states, nations in conflict and the emerging interdependence of nations in the twentieth century. **As an honors level course, the expectation is that a student's reading level and writing ability are such that they can handle a more robust workload. Prerequisite: Score of 3 or 4 on their previous EOG/EOC, and teacher recommendation.**

AP World History ***RIGOR***

Conforms to the College Board topics for Advanced Placement World History. Includes study of cultural, political, social and economic history. Stresses research and writing skills. See your Social Studies teacher for recommendation.
Prerequisite: Score of 3 or 4 on their previous EOG/EOC, and teacher recommendation

United States History
End Of Course Assessment Requirement

This 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.
Prerequisite: Successful completion of World History

Honors US History
End Of Course Assessment Requirement

Emphasizes the political, cultural, economic and social development and growth of The United States. Covers the development of change beginning with European colonization up through present day. **As an honors level course, the expectation is that a student's reading level and writing ability are such that they can handle a more robust workload.**
Prerequisite: Successful completion of previous one course, a score of 3 or 4 on their previous EOG/EOC, and teacher recommendation

Economics/Business/Free Enterprise

Focuses on the American economic system; covers fundamental economic concepts, comparative economics systems, macroeconomics, microeconomics, and international economic interdependence. Stresses ability to analyze critically and to make decisions concerning public issues.
Prerequisite: Successful completion of World History and United States History

American Government/Citizenship

Focuses on the basic concepts and principles of the American system. Covers the structure and function of the American system of government, the roles and responsibilities of citizen participation in the political process, and the relationship of the individual to the law and legal system. Stresses critical analysis of public issues. Integrates and reinforces social studies skills.

DUAL ENROLLMENT – See your school counselor for more information ***RIGOR**

PHYSICAL EDUCATION

Personal Fitness

Provides instruction in methods to attain a healthy level of personal fitness. Covers how to develop a lifetime fitness program based on a personal fitness assessment and stresses strength, muscular endurance, flexibility, body consumption, and cardiovascular endurance. Includes fitness principles, nutrition, fad diets, weight control, stress management, adherence strategies, and consumer information; promotes self-awareness and responsibility for fitness.
Required for Graduation

Health Education

Explores the mental, physical, and social aspects of life and how each contributes to total health and well being; emphasizes safety, nutrition, mental health, substance abuse prevention, disease prevention, environmental health, family life education, health careers, consumer health, and community health.
Required for Graduation

Team Sports

Introduces fundamental skills, strategies, and rules associated with team sports such as basketball, volleyball, soccer, softball, baseball, and flag football.

Weight Training

Introduces weight training; emphasizes strength development training and proper lifting techniques. Includes fitness concepts for developing healthy lifetime habits.

Advanced Weight Training

Introduces advanced weight training; emphasizes strength development training and proper lifting techniques. Includes fitness concepts for developing healthy lifetime habits.

Body Sculpting

Provides methods to redefine body shape through specific exercises. Covers weight training, conditioning exercises, and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, overall conditions of the body and increased energy levels. Based on the American College of Sports Medicine guidelines for fitness and conditioning programs.

Outdoor Adventure Class

The Adventure Education class is a class in which students are provided with knowledge and diverse experiences in outdoor activities. Students will be safely guided into outdoor activities as they experience new outdoor adventures and make connections to Rabun County, knowledge, skills, strength, and appreciation that they can use throughout their lifetime. Activities including Hiking, Orienteering, Cycling, Repelling, Fishing, Horseshoes, Bocce Ball, Volleyball, Golf, and Archery.

Driver Education

Offers non-drivers and beginning drivers 15 years of age or older a minimum of thirty (30) hours of classroom instruction and six (6) hours behind the wheel; stresses defensive driving skills and refining perceptual and critical skills for safe driving. **Student must have their Georgia Learner's License on the first day of class.**

VISUAL ARTS

Visual Arts/ Pottery/Sculpture I

Introduces the characteristics of clay as well as design techniques. Students will experience various techniques of construction and decoration. This 3-D course emphasizes hand-building skills and also blends in various other types of construction, surface design, and glaze application. This course also touches on various styles of pottery and sculpture. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.

Visual Arts/ Pottery/Sculpture II

Enhances Pottery I skills as well as introduces basic wheel throwing techniques. Students will experience various techniques of construction and decoration. This course emphasizes wheel throwing skills and also blends in various other types of construction, surface design, and glaze application. This course also touches on various styles of pottery. Students will also be able to actively learn about the firing process. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.
Prerequisite: Pottery I

Visual Arts/ Pottery/Sculpture III

Enhances Pottery II skills. Students will experience various techniques of construction and decoration. This course emphasizes wheel throwing skills and also blends in various other types of construction, surface design, and glaze application. This course also touches on various styles of pottery. Students will also be able to actively learn about the firing process. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.
Prerequisite: Pottery II

Visual Arts/ Comprehensive I

Emphasizes the ability to understand and use elements and principles of 2-D and 3-D design through a variety of media and processes (weaving, drawing, painting, pottery, and crafts). Students will be exposed to the art of various cultures. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. This course also introduces art history and criticism through Art Talk sessions. Students will be expected to read and write about art as well.

Visual Arts/ Comprehensive II

Enhances the ability to understand and use elements and principles of 2-D and 3-D design through a variety of media and processes (weaving, drawing, painting, pottery, and crafts). Students will be exposed to the art of various cultures. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will continue exploring art history and criticism through Art Talk sessions. Students will be expected to read and write about art as well.
Prerequisite: Comprehensive I

Visual Arts/ Comprehensive III

Enhances the ability to understand and use elements and principles of 2-D and 3-D design through a variety of media and processes (weaving, drawing, painting, pottery, and crafts). Students will be exposed to the art of various cultures. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will continue exploring art history and criticism through Art Talk sessions. Students will be expected to read and write about art as well.
Prerequisite: Comprehensive II

Visual Arts/ Drawing I

Emphasizes the ability to understand and use elements and principles of 2-D design through a variety of drawing media and processes. This course also introduces art history and criticism through Art Talk sessions. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.

Visual Arts/ Drawing II

Enhances the ability to understand and use elements and principles of 2-D design through a variety of drawing media and processes. Students will continue exploring art history and criticism through Art Talk sessions. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.
Prerequisite: Drawing I

Visual Arts/ Painting I

Enhances the ability to understand and use elements and principles of 2-D design through a variety of painting media and processes. Students should have a basic knowledge of drawing techniques prior to entering this course. Students will examine solutions to painting problems through the study of color theory and composition. Students will continue exploring art history and criticism through Art Talk sessions. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.
Prerequisite: Drawing I or Comprehensive I

Visual Arts/ Painting II

Enhances the ability to understand and use elements and principles of 2-D design through a variety of painting media and processes. Students will be able to select independent study assignments. Students will continue working with the study of color theory and composition. Students will continue exploring art history and criticism through Art Talk sessions. Students will be expected to keep a sketchbook and complete sketchbook assignment, outside of class time, as well as classroom projects. Students will be expected to read and write about art as well.
Prerequisite: Painting I

DRAMATIC ARTS

Technical Theater I-IV

This class incorporates all aspects of theater that are not involved in acting. Students will learn about different types of set construction, set design, lighting, sound, publicity, costuming, prop fabrication, stage management, administrative roles in a production and much more. Assignments and materials will be appropriate to the level of the class. Skills learned in this class have career field applications.
Note: For students in levels 2-4, the class is co-curricular and there is a requirement to participate in the production that involves after school activities. This is part of the Final Exam for the class. This schedule will be communicated at the beginning of the semester with the syllabus.

Dramatic Arts 1/Acting 1

This is a beginner level class for a student who is curious about theater and would like to see if it is a good fit. This class includes a solid introduction to public speaking, stage presentation, theater history, acting skills, technical theater and more. Students will have the option to participate in public shows, but it is not required.
There is no after school requirement for this class.

Acting 2-4 Advanced Acting

Prerequisite: Successful completion of Level 1 Dramatic Arts /Acting or audition.
This is a production class that is focused on the RCHS Mainstage and BlackBox performances. This is for the student who has completed a Level 1 class and is ready to move on to more advanced skills and challenging roles. This is a deeper dive into the world of acting and performing in plays and musicals.
Note: This is a co-curricular class. For all students , there is a requirement to participate in the production that involves an after school rehearsal schedule. This is a graded part of the course and the Final Exam. This schedule will be communicated at the beginning of the semester with the syllabus.

MUSIC

Beginning Guitar Techniques I
Introduces basic guitar techniques, covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Provides an individualized setting.

Beginning Guitar Techniques II
Beginning Guitar Techniques III
Beginning Guitar Techniques IV

Beginning Keyboarding Techniques I
Introduces basic piano keyboard techniques. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Provides an individualized setting.

Beginning Keyboarding Techniques II
Beginning Keyboarding Techniques III
Beginning Keyboarding Techniques IV

Beginning Mixed Chorus I
Provides opportunities to develop performance skills and knowledge in mixed choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music, and appreciation of music. Organizes objectives for self-paced progress through all four levels. Stresses individual progress and group experiences.

Beginning Mixed Chorus II
Beginning Mixed Chorus III
Beginning Mixed Chorus IV

Advanced Women's Chorus I
Provides opportunities for advanced-level female performers to increase performance skills and knowledge in all-female choral singing. Covers performance and production, analysis and theoretical studies, historical and cultural contributions and influences, creative aspects of music and appreciation of music. Stresses self-paced progress and group experiences.

Prerequisite: Teacher approval.

Advanced Women's Chorus II
Advanced Women's Chorus III
Advanced Women's Chorus IV

Beginning Music Theory & Composition
Introduces the fundamentals of organized sound, emphasizing rules of Western music composition and offering opportunities to create original works. Students will develop the ability to describe, understand, and recognize aspects of tonal music, and skills in sight-singing, dictation/aural, written aspects, composition, and analytical areas. Students will be exposed to a variety of exercises designed to develop these skills including listening, performance, writing, creating, and analyzing music. While the main emphasis is placed on music of the Common Practice Period (1600-1750), music of other stylistic periods may also be studied. Explores use of technology for composition.

BAND

Advanced Band I-IV (Percussion)

Provides the opportunity to advance as a percussionist through the use of a variety of music and materials. Percussionists will learn basic and advanced techniques in all areas of pitched and non-pitched percussion instruments. Students will have opportunities to specialize in areas of percussion performance that they are most interested in. Class emphasis will be on marching and concert techniques, rudiments, scales, and tuning. Performers will have the opportunity to perform as individuals, in a percussion ensemble, and as a part of the full band.

Advanced Band I-IV (Winds)

Provides the opportunity to advance as a wind musician through the use of a variety of music and materials. Students will be given instruction in comprehensive musicianship with a focus on music theory, history, composition, and performance. Students will be expected to learn a wide range of fundamentals including scales, sight-reading, solo performance, small ensemble performance, and full group performance. Music provided will focus on many genres including marching, classical, jazz, and popular music.

AGRICULTURE

Agriculture is the world's largest and most important industry. The agriculture program at the high school offers students the opportunity to learn new knowledge and skills related to this industry as well as the opportunity to develop valuable leadership skills that can be useful for everyone's future career goals.
All Agricultural courses require students to complete a Supervised Agricultural Experience as well as become a member of, FFA, the inter-curricular organization which enhances student experiences in the Agricultural Program.
The Basic Agricultural Course WILL be a prerequisite and is required for pathway completion.

Agriscience Systems Pathway

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the entire Agriculture Program of Study. The course introduces the major areas of agricultural production and research. It presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses

Animal Science and Biotechnology
This course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. This course introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
Prerequisite: Basic Agriculture

General Horticulture and Plant Science
This course is designed as an introduction for the Horticulture-Plant Science Pathway Program of Study. The course introduces the major concepts of plant and horticulture science. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

Food Animal Systems

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses.

Animal Science and Biotechnology
As part of the Agriscience pathway program of study, this course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

Animal Production
The goal of this course is to provide all students instruction in establishing and managing agricultural animal enterprises; includes instruction in selecting, breeding, feeding, caring for, and marketing beef and dairy cattle, horses, swine, sheep, and poultry. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
Prerequisite: Basic Agriculture, Animal Science or Agricultural Mechanics I

Veterinary Science Pathway

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses.

Animal Science and Biotechnology
As part of the Agriscience pathway program of study, this course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

Veterinary Science
Veterinary Science covers the basics of animal care. Topics include: disease, parasites, feeding, shelter, grooming, and general animal care. The target population is career preparatory students desiring to continue education after high school or to enter the workforce after graduation from high school with a focus on becoming a Veterinary Technician. College preparatory students benefit from this course as an elective if they plan to enter college and pursue a degree to enter the veterinary profession. This course allows students entering the workforce after graduation from high school to develop entry-level skills to become employed and continue education on the job.
Prerequisites: Basic Agriculture and Animal Science

Agricultural Mechanics Pathway

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses.

Agricultural Mechanics Technology I
This laboratory course is designed to provide training in the following career areas with their included average salaries: Welder $28-$50/hr, Electrician $32/hr, Small Engine Mechanic $20/hr, Farm Manager $25/hr, and Landscape Technicians $25/hr. Each of these careers can easily be obtained through the coursework and standards of the class. Many of these careers have FREE tuition training programs.
Prerequisite: Basic Agriculture

Agricultural Mechanics Technology II
This laboratory course is designed to provide training in the following career areas with their included average salaries: Welder $28-$50/hr, Diesel Mechanic $30/ hr, Surveyor $32/hr, Lineman $35/hr, Electrician $32/hr, Small Engine Mechanic $20/hr, Farm Manager $25/hr, and many other technical/ agricultural careers. Many of these careers have FREE tuition training programs.
Prerequisite: Basic Agriculture and Agricultural Mechanics I

Plant/ Mechanical Pathway

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses.

Agricultural Mechanics Technology I
This laboratory course is designed to provide training in the following career areas with their included average salaries: Welder $28-$50/hr, Electrician $32/hr, Small Engine Mechanic $20/hr, Farm Manager $25/hr, and Landscape Technicians $25/hr. Each of these careers can easily be obtained through the coursework and standards of the class. Many of these careers have FREE tuition training programs.
Prerequisite: Basic Agriculture

General Horticulture and Plant Science
This course is designed as an introduction for the Horticulture-Plant Science Pathway Program of Study. The course introduces the major concepts of plant and horticulture science. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

Animal/ Mechanical Pathway

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses.

Agricultural Mechanics Technology I
This laboratory course is designed to provide training in the following career areas with their included average salaries: Welder $28-$50/hr, Electrician $32/hr, Small Engine Mechanic $20/hr, Farm Manager $25/hr, and Landscape Technicians $25/hr. Each of these careers can easily be obtained through the coursework and standards of the class. Many of these careers have FREE tuition training programs.
Prerequisite: Basic Agriculture

Animal Science and Biotechnology
As part of the Agriscience pathway program of study, this course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. This course meets the 4th requirement for Science credit.
Prerequisite: Basic Agriculture

Metal Fabrication Pathway

Basic Agriculture Science and Technology
This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
This is the Prerequisite for all Agricultural Courses.

Agricultural Mechanics Technology I
This laboratory course is designed to provide training in the following career areas with their included average salaries: Welder $28-$50/hr, Electrician $32/hr, Small Engine Mechanic $20/hr, Farm Manager $25/hr, and Landscape Technicians $25/hr. Each of these careers can easily be obtained through the coursework and standards of the class. Many of these careers have FREE tuition training programs.
Prerequisite: Basic Agriculture

Ag Metals and Fabrication
This course is focused entirely around the different welding processes. Students will learn SMAW, GMAW, GTAW, Oxy-Acetylene Cutting, and how to operate many different metal fabrication tools and machinery. This course is also very project based with opportunities for students to practice their skills daily. Metal Fabrication class prepares students for careers in welding. NGTC offers free tuition training programs in welding and joining technology.
Prerequisite: Basic Agriculture and Agricultural Mechanics I

COMPUTER SCIENCE

Introduction to Software Technology
Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programing, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks.

Computer Science Principles
Engage your creativity. Demonstrate and build your problem-solving ability all while connecting the relevance of computer science to society! Computer Science. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. Various forms of technologies will be used to expose students to resources and application of computer science. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course.
Prerequisite: Successful completion of Introduction to Software Technology.

ENGINEERING & MANUFACTURING EDUCATION

Manufacturing Pathway

Foundations of Manufacturing and Materials Science

Foundations of Manufacturing and Materials Science is the introductory course for the Manufacturing career pathway. This course provides students with opportunities to become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry.
This course is the prerequisite for all Manufacturing classes.

Robotics & Automated Systems

Upon completing this course, students will be able to apply their knowledge of computer aided design (CAD), computer numerical control (CNC), robotics, computer assisted manufacturing (CAM), programmable logic controllers, automated guided vehicles (AGV), and computer integrated manufacturing (CIM).
Prerequisite: Foundations of Manufacturing

Production Enterprises

The purpose of this course is to give students an understanding of how to design and implement a production system. Students learn how businesses engage in the production of products beginning with pre-production activities and continuing through post-production activities. Additionally, students will learn about the historical and societal impact of production. Students also develop an understanding of careers available in manufacturing and the skills and education required for those careers.
Prerequisite: Robotics

Engineering Pathway

Foundations of Engineering and Technology

Foundations of Engineering and Technology is the introductory course for all Georgia Engineering and Technology Education pathways. This course provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, processes of invention and innovation, and engineering disciplines.
This course is the prerequisite for all Engineering classes.

Engineering Concepts

Engineering Concepts is the second course in the engineering pathway. This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities. Students will learn to apply their knowledge of CAD and CAM.
Prerequisite: Foundations of Engineering

Engineering Applications

Engineering Applications is the third course in the engineering pathway. Students have opportunities to apply engineering design as they develop a solution for a technological problem. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop working drawings and prototypes.
Prerequisite: Engineering Concepts

AUDIO/VIDEO

Audio-Video Technology and Film Pathway

Audio & Video Technology & Film I

This course will serve as the foundational course in the Audio & Video Technology & Film pathway. The course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to: terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics. Working in teams is an integral part of this class. Students will be involved in effective collaboration, communication, and product management. In order to be successful, students must work well within small group and large group settings. Students will be taught practices that foster effective collaboration, communication, and project management skills. Soft Skills are an integral part of daily classroom lessons. TSA is an example of, but not limited to, an appropriate organization for providing leadership training and/or for reinforcing specific career and technical skills and is considered an integral part of this program.

Audio Video Technology and Film II

This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film production and/or to transfer to a postsecondary program for further study. Topics include Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. Students in Level II will be expected to create and contribute to the Wildcat TV broadcasting and video editing with higher quality than those students in Level I. Students in Level II will be expected to be self-starting learners and be proactive about contributing quality content on topics within our school, community, and beyond. Wildcat Pride must be shown at all times. This includes a positive work ethic and elite leadership skills. TV crew members are expected to be high achievers in all classes and positive role models for RCHS. The reputation of “Wildcat TV”/WTV is important to the video program at RCHS. TSA is an example of, but not limited to, an appropriate organization for providing leadership training and/or for reinforcing specific career and technical skills and is considered an integral part of this program.

Audio Video Technology and Film III

This one-credit transition course is designed to facilitate student-led projects under the guidance of the instructor. Students work cooperatively and independently in all phases of production.Students in level III courses will be expected to create and contribute to the Wildcat TV broadcasting and video editing with higher quality than those students in lower levels. Students in level III are expected to be self-starting learners and be proactive about contributing quality content. The instructor is the facilitator and students will work cooperatively and independently in all phases of production. Students are expected to contribute quality content on topics within our school and our community. The creation of commercials for advertisements in our local community is an example of ongoing projects in this final course. At the end of this course students will take the Adobe Premiere Pro Exam as the EOPA for the completion of the Audio Video Technology and Film Pathway. TSA is an example of, but not limited to, an appropriate organization for providing leadership training and/or for reinforcing specific career and technical skills and is considered an integral part of this program.

Broadcast Video Production Applications

Broadcast Video Production Applications is designed to facilitate student-led projects under the guidance of the instructor, as well as provide opportunities for students to master skills necessary to gain entry level employment or to pursue a post-secondary degree or certificate. Students work cooperatively and independently in all phases of production. Topics include advanced camera techniques, audio production, scriptwriting, producing, directing, editing, employability skills, and development of a digital portfolio showcasing their work over the past 3 years including a resume.Students in this course will be expected to create and contribute to the Wildcat TV Broadcast with higher quality than those students in all other levels. Students will be expected to be self-starting learners and be proactive contributing quality content. Students in this level will perform and create at the highest level of the AVT&F Pathway. TSA is an example of, but not limited to, an appropriate organization for providing leadership training and/or for reinforcing specific career and technical skills and is considered an integral part of this program.

BUSINESS EDUCATION

Business and Technology Pathway

Introduction to Business & Technology

Time for a job. Now what? Which one do I want? What am I good at? We can teach you to find a career, get the job, and make the money! Discover how to examine your strengths and research jobs to best meet those abilities. Find a future career that will keep you satisfied and give you the benefits you deserve. Want to be the owner and not the employee? This class will provide you with the essentials of working in a business environment, managing a business, or owning a business of your own. Learn how to use technology as a tool for both your job search and in the work environment. This class also focuses on teaching you the basic components of computers, technology, software, and networking in the business environment. You will learn: keyboarding skills, basic computer literacy, and the fundamentals of word processing, database management, spreadsheets, presentations, desktop publishing, Internet, and e-mail. Class Certification: Microsoft Word

Business and Technology

Let's transition from being the employee and focus on becoming the boss. As a boss, you need an understanding of how technology can improve your business. Do you love technology? This class focuses on teaching you an advanced format for the components of computers, technology, software, and networking in the business environment. You will advance in your skills of keyboarding, computer literacy, and word processing, database management, spreadsheets, presentations, desktop publishing, Internet, and e-mail. In addition to enjoying your new advanced knowledge of technology, you will learn to use your skills to market, develop, present, and sell your products. Do you have a great idea for a product? This class will teach you to take a product and redevelop it into a best-selling item. Class Certification: Microsoft Excel. Prerequisite: Introduction to Business & Technology.

Business Communications

Are they listening and responding to what you say? If they are not hearing what you are saying or answering your written requests, maybe you are not correctly presenting your information or questions. This class will help you develop both oral and written communication skills for interpersonal and employment applications. Also, you will learn to analyze your audience and how to persuade them or respectfully disagree with them. Own your ideas and learn to sell them to others. Communication skills taught: persuade others, problem-solving strategies, electronic and face-to-face manners, nonverbal communication, listening and questioning skills, and knowing when to and how to debate your opinion. Technology can also help supplement each of these skills. You will be introduced to technology that can aid you in expressing yourself and your findings. Learn how to develop presentations with the ability to awe an audience and gain respect for your ideas due to an inarguable presentation packed with factual findings. Class Certification: Microsoft PowerPoint

Business Accounting Pathway

Introduction to Business & Technology

Time for a job. Now what? Which one do I want? What am I good at? We can teach you to find a career, get the job, and make the money! Discover how to examine your strengths and research jobs to best meet those abilities. Find a future career that will keep you satisfied and give you the benefits you deserve. Want to be the owner and not the employee? This class will provide you with the essentials of working in a business environment, managing a business, or owning a business of your own. Learn how to use technology as a tool for both your job search and in the work environment. This class also focuses on teaching you the basic components of computers, technology, software, and networking in the business environment. You will learn: keyboarding skills, basic computer literacy, and the fundamentals of word processing, database management, spreadsheets, presentations, desktop publishing, Internet, and e-mail. Class Certification: Microsoft Word

Financial Literacy

Show me the money!! Well, we can help you earn it, budget it, save it, and enjoy it. Do you know where your money is going? Most people don't. Let this class be a fun way for you to learn how to budget your money. We analyze cell phone plans, purchasing a new car, saving for retirement, home insurance plans, taxes, and vacation spending, and that's just a small list of our research projects. Learning to manage your money doesn't have to be dull and boring. No matter what career route you choose in life this class will teach you the life skills to be successful with money and budgeting. This class breaks down the different options you have for spending and saving. Financial simulations are used in the classroom to provide students with real-life scenarios.

Principles of Accounting

Where does all the money go? This class teaches you to make decisions about planning, organizing, and allocating resources using accounting procedures. You can learn how to analyze business transactions and financial statements, perform payroll and analyze how money management affects the health of a business. Accounting provides you with skills and knowledge that can be applied to a number of industries. Using the "language of business," students will assemble and analyze, process, and communicate essential information about financial operations. In fact, so long as there are businesses in the world, accountants and financial managers will always be needed. This class is ideal for any student planning to pursue a career in business or planning to open their own business someday. **Prerequisite-Grades 10-12 only**

HEALTHCARE SCIENCE

Therapeutic Services-Allied Health & Medicine Pathway

Introduction to Healthcare Science

Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the 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 well as the legal, ethical responsibilities of today's healthcare provider. This course will provide students with a competitive edge to be the better candidate for either entry level into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Essentials of Healthcare

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, disorders 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. This course counts toward satisfying the fourth science requirement and students will also earn credit in Human Anatomy and Physiology upon completion.

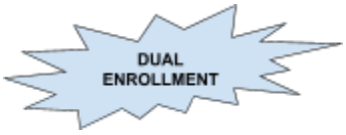
The prerequisite for this course is Introduction to Healthcare Science.

Allied Health and Medicine

This course is designed to offer students 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. Students who complete this course will have the opportunity to sit for a Phlebotomy Technician certification exam.

The prerequisites for this course are Introduction to Healthcare Science and Essentials of Healthcare

Other CTAE Electives



NGTC's Culinary Arts Prep Cook Certificate prepare students for the demands of a career in a professional kitchen. The programs emphasize technical and theoretical knowledge combined with practical application of cooking, serving, and managing food.

CUUL 1110 – CULINARY SAFETY AND SANITATION (Year 1)

Provisional Admission Emphasizes fundamental kitchen and dining room safety, sanitation, maintenance, and operation procedures. Topics include: cleaning standards, O.S.H.A., M.S.D.S. guidelines, sanitary procedures following SERV-SAFE guidelines, HACCAP, safety practices, basic kitchen first aid, operation of equipment, cleaning and maintenance of equipment, dishwashing, and pot and pan cleaning. Laboratory practice parallels class work. **See your school counselor for further information.**

CUUL 1000 – FUNDAMENTALS OF CULINARY ARTS (Year 1)

Provides an overview of the professionalism in culinary arts, culinary career opportunities, chef history, pride, and esprit de corps. Introduces principles and practices necessary to include food, supply, and equipment selection; procurement; receiving; storage; and distribution. Topics include: cuisine, food service organizations, career opportunities, food service styles, basic culinary management techniques, professionalism, culinary work ethics, quality factors, food tests, pricing procedures, cost determination and control, selection, procurement, receiving, storage, and distribution. Laboratory demonstration and student experimentation parallel class work. **See your school counselor for further information.**

CUUL 1120 – PRINCIPLES OF COOKING (Year 2)

This course introduces fundamental food preparation terms, concepts, and methods. Course content reflects American Culinary Federation Educational Institute apprenticeship training objectives. Topics include weights and measures, conversions, basic cooking principles, methods of food preparation, recipe utilization, and nutrition. Laboratory demonstrations and student experimentation parallel class work. **See your school counselor for further information.**

CUUL 1122 – FOUNDATIONS OF COOKING PRINCIPLES (Year 2)

Introduces fundamental food preparation terms, concepts, and methods. Course content reflects American Culinary Federation Educational Institute apprenticeship training objectives. Topics include weights and measures, conversions, basic cooking principles, methods of food preparation, recipe utilization, and nutrition. Laboratory demonstrations and student experimentation parallel class work. **See your school counselor for further information.**

Introduction to Graphics & Design (Yearbook)

This class collects the memories, accomplishments, and thoughts of RaCoHi students into a memory book to be preserved and treasured for years to come. This course teaches students the basic principles of production and teaches skills that include writing copy, captions and headlines, desktop publishing, and using appropriate technology tools for media production. This class also provides preparation for students preparing for a career in Graphic Design, Photography, and Sales. **See yearbook teacher for further information.**

Graphic Design & Production (Year Two)
Advanced Graphic Design (Year Three)

Work Based Learning (WBL)

WBL is available for Juniors and Seniors that are in CTAE pathways. Students may earn from one to three elective credits through WBL. To qualify for WBL a student must be in 11th or 12th grade, be at least 16 years old, must have a job, must be able to drive to and from school, and must have completed a CTAE pathway OR currently be enrolled in a CTAE pathway course.

******IMPORTANT Scholarship Information******

What are Rigor Requirements?

Rigor courses: Advanced Math, Advanced Science, Advanced Foreign Language, Advanced Placement (AP) in core subjects, International Baccalaureate (IB) in core subjects, Dual Credit Enrollment courses in core subjects taken at an eligible postsecondary institution.

To be eligible for the HOPE Scholarship, in addition to Grade Point Average and other requirements:

Students graduating on or after May 1, 2017 must earn FOUR full credits.

A full list of courses which satisfy this requirement can be found on GA FUTURES or in the RCHS Guidance Office.

Rigor Courses offered at RCHS will be designated in this booklet with the following: *_RIGOR_*