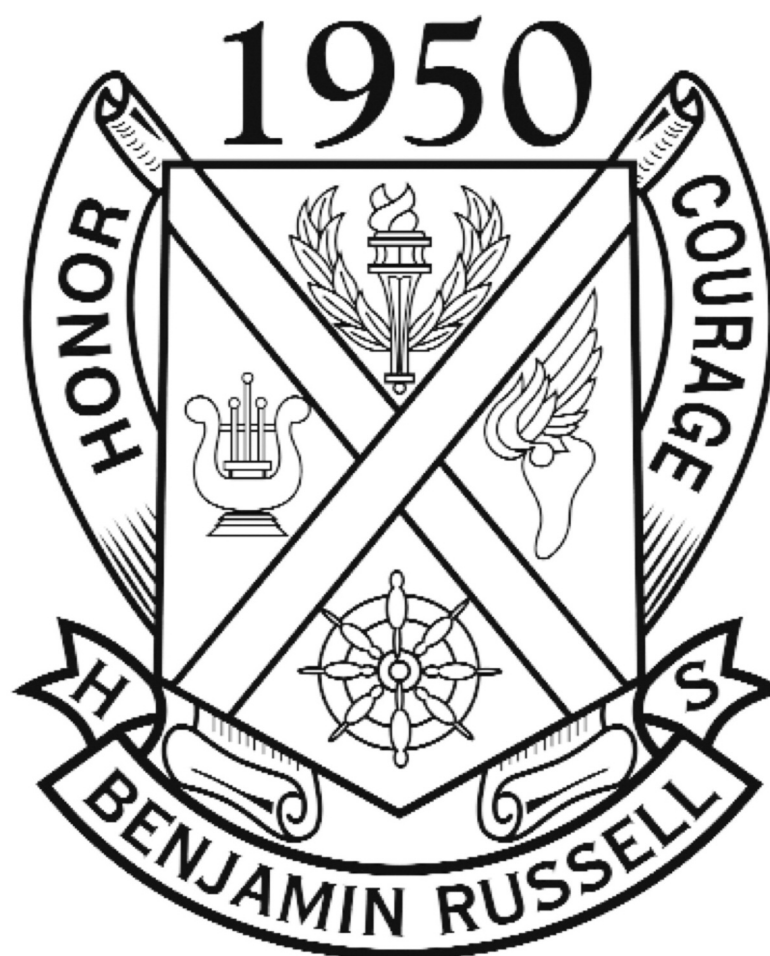


Benjamin Russell High School Course Selection Guide



2019 - 2020

It is the policy of the Alexander City Board of Education that no person shall, on the grounds of race, color, disability, sex, religion, creed, nationality, origin, or age be excluded from participation in, be denied the benefits of, or be subjected to discrimination under program, activity or employment.

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INTRODUCTION

Benjamin Russell High School Students:

This Course selection guide represents your future. It contains information regarding course offerings, recommended course sequences, requirements, and services. This information has been prepared to enable students and parents to make informed decisions regarding a program of study and to prepare for the lifelong career decision-making process. Look at it carefully. It will be your road map to successfully reaching your academic goals at BRHS and beyond. Also, look ahead to the skills you will need to fulfill your future career goals. If you intend to go to work immediately following graduation, ask yourself what elective courses will prepare you for your first entry-level job. If your career goals include technical school, community college, or four-year college or university, determine now the entrance requirements and design your program to meet and exceed those requirements.

A strong high school background is essential for continued success in the workplace or in post-secondary education. In selecting a program of study, students should recognize that employment and college admissions are highly competitive. Rigor of curriculum, grade point average, attendance, and standardized test scores are crucial factors in decisions made by employers and college admissions personnel. Therefore, it is advantageous for students to select a challenging program of study consistent with career goals and post-secondary plans.

Benjamin Russell High School offers you the opportunity to prepare for a successful future, but the next step is always yours. Begin now to make your choices by carefully reading this Course Selection Guide and making thoughtful decisions.

BRHS Mission / Vision

GOAL:

Our goal is to have every graduate to be
College and Career Ready.

MISSION STATEMENT:

Our mission at Benjamin Russell High School is to increase active and authentic student engagement so that our students are prepared for college and real world challenges.

MOTTO:

Character, Class and Pride

LANGUAGE ARTS

ENGLISH 9

Course Description:

This course offers freshmen a combined study of world literature, grammar, and composition with an emphasis on reading comprehension and language usage. Students will gain experience in the areas of sentence and paragraph writing, library and research skills, and vocabulary development.

Credit: 1.0

Course Prerequisites:

Successful completion of 8th grade English

Special Requirements:

None

PRE AP ENGLISH 9

Course Description:

This course enables students to master fundamental grammar, usage, sentence structure, mechanics, and introductory research skills. Students should be able to read for both basic comprehension and literary analysis. Students will develop introductory composition skills and will write analytical essays. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

An 80 in 8th Grade Honors English or an 80 in 8th grade English with the teacher recommendation.

ENGLISH 10

Course Description:

This course combines the study of language and early American literature with communication skills through presentations, research, projects, and student writing.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

Successful completion of English 9 or Pre AP English 9

PRE AP ENGLISH 10

Course Description:

This course combines intense language study and writing with early American literature. Students will develop high-level skills in language usage, language manipulation, and rhetorical schemes. An emphasis is placed on critical level thinking skills, the initiative to read independently, and rigorous study skills. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

An 80 or higher in Pre AP English 9 or a 90 in 9th Grade English

ENGLISH 11

Course Description:

This course focuses on effective communication skills including reading comprehension, language usage, and composition. Students will review and analyze twentieth century American literature and become skilled in persuasive, expository, narrative, and descriptive writing. Students will also complete a research paper.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

Successful completion of English 10 or Pre AP English 10

ADVANCED PLACEMENT (AP) ENGLISH LANGUAGE & COMPOSITION 11

Course Description:

This course concentrates on making the transition from writing at the high school level to writing in the more complex rhetorical situations expected of students at the college or university level. Students will practice writing across a variety of rhetorical aims and in a variety of rhetorical situations, some of which will be collaborative. Students will write within a model of the writing process that includes practice with planning, drafting, and revising strategies. Students will be able to reflect on and make judgments about their own writing and writing processes. Students will be able to read for comprehension, interpretation, and evaluation. Students will be able to conduct primary and secondary research using a variety of methods, to evaluate results, and to integrate research products into their own writing. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

An 80 in Pre AP English 10 or an 'A' in English 10. *In May, students are administered the AP English Language & Composition exam prepared by the College Board. There is a fee for the exam. Students should inquire about AP credit at the colleges they are interested in attending.

ENGLISH 12

Course Description:

Seniors refine oral and written communication skills through the completion of challenging composition activities as they survey British literature. Students will strengthen thinking and problem solving abilities, refine editing skills, and write a research paper.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

Successful completion of English 11 or AP English Language & Composition 11

ADVANCED PLACEMENT (AP) ENGLISH LITERATURE 12

Course Description:

This is a college level course which emphasizes essentials of composition and rhetoric along with studies of various literary genres. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

An 80 or higher in AP English Language & Composition 11 * In May, students are administered the AP English Literature exam prepared by the College Board. There is a fee for the exam. Students should inquire about AP credit at the colleges they are interested in attending.

FOREIGN LANGUAGE

SPANISH I

Course Description:

First year Spanish introduces the student to pronunciation, basic grammar, culture, vocabulary, history, and geography. By the use of tapes, records, and video, the skills of listening, speaking, reading, and writing are developed.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

There is a fee to cover the cost of the workbooks.

SPANISH II

Course Description:

Spanish II reinforces and expands upon the skills of listening, speaking, writing, and reading. The study of basic grammar, culture, vocabulary, history, and geography is continued.

Credit: 1.0

Course Prerequisites:

Successful completion of Spanish I

Special Requirements:

There is a fee to cover the cost of the workbooks.

MATHEMATICS

ALGEBRA I

Course Description:

Algebra I is a formal, in-depth study of algebraic concepts and the real number system. In this course students develop a greater understanding of and appreciation for algebraic properties and operations. Algebra I reinforces concepts presented in earlier courses and permits students to explore new, more challenging content which prepares them for further study in mathematics. The course focuses on the useful application of course content and on the development of student understanding of central concepts.

Credit: 1.0

Course Prerequisites:

Successful completion of 8th grade mathematics

GEOMETRY

Course Description:

Geometry provides students with knowledge about shapes and properties and assists with the development of spatial sense, critical for further study in mathematics and for everyday life. In the course, students are engaged in problematic situations in which they form conjectures, determine the validity of these conjectures, and defend their conclusions to classmates. Emphasis is placed on the power of deductive reasoning, expressed either informally or formally in a variety of formats.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebra I

Special Requirements:

None

HONORS GEOMETRY

Course Description:

This course covers the same topics as geometry with a more in-depth and challenging analysis of the major concepts and more emphasis on theory. Logical thinking is developed through concentration on direct and indirect proofs. The course is geared to the motivated student who plans to enroll in a Math Advanced Placement course in the future. Weighted credit is awarded for the course.

Credit: 1.0

Course Prerequisite:

Placement into this course is for a 9th grade student only, who has successfully passed Algebra I in the 8th grade AND has been recommended to continue on the advanced math pathway.

ALGEBRAIC CONNECTIONS

Course Description:

Algebraic Connections is a course that provides students with a bridge to courses beyond the level of Algebra I and Geometry and to the mathematical empowerment needed to make responsible financial and economic decisions. It is designed for students who need additional mathematical experiences *prior* to enrollment in Algebra II with Trigonometry. Algebraic connections extends the scope of content of the prerequisite courses, integrating topics from algebra, geometry, measurement, and probability and statistics with an emphasis on real-world applications. This course provides opportunities to incorporate the use of technology through its emphasis on using functions to make real-life predictions and to calculate outcomes.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebra I and Geometry

Special Requirements:

None

ALGEBRA WITH FINANCE

Course Description:

Algebra with Finance is a one-credit college and career preparatory course that integrates algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics that are taught at a higher level. Students are encouraged to use a variety of problem-solving skills and strategies in real-world contexts, and to question outcomes using mathematical analysis and data to support their findings. The course offers students multiple opportunities to use, construct, question, model, and interpret financial situations through symbolic algebraic representations, graphical representations, geometric representations, and verbal representations. Math concepts and skills are applied through study and problem-solving activities in workforce situations in the following areas: banking, investing, employment and income taxes, automobile ownership and operation, mathematical operations, consumer credit, independent living, and retirement planning and budgeting. This course may be used as a fourth math credit.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebra I and Geometry

Special Requirements:

None

ALGEBRA II WITH TRIGONOMETRY

Course Description:

Algebra II with Trigonometry focuses on problem-solving skills that use a variety of methods to encourage the development of improved communication skills and foster a deeper understanding of the content area. In order to provide students with an appreciation of the power of algebra, applications involving real life situations are incorporated throughout the course. Although this course is valuable for all students, it is strongly recommended for students who intend to pursue postsecondary studies.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebra I and Geometry or successful completion of Algebraic Connections

Special Requirements:

None

HONORS AP ALGEBRA II WITH TRIGONOMETRY

Course Description:

Students in this course use algebraic methods to explore, model and describe patterns, relationships and functions involving numbers, shapes, data and graphs within a variety of real-world problem solving situations. They represent problem situations using discrete structures such as finite graphs, matrices, sequences and recurrence relations. This course reviews and builds on those concepts learned in Algebra I and Geometry. It places more emphasis on applying the basic concepts of algebra to rational numbers and irrational numbers. The course expands techniques in analytical geometry and trigonometry learned in Geometry as a preview of the next two courses offered. Algebra II with Trigonometry is a course which extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations, and inequalities; (2) conic sections; (3) polynomials; (4) algebraic functions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability. Graphing calculator technology is frequently used in this course. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebra I and Honors Geometry with an 80 average in both courses

Special Requirements:

None

PROBABILITY AND STATISTICS

Course Description:

Probability and Statistics provides a structured introduction to probability and statistics, an important area of emphasis in most postsecondary studies. Given the increased importance of statistics in understanding and evaluating the vast amounts of data encountered in everyday life, a strong emphasis is placed on collecting, organizing, analyzing, and interpreting data. The use of advanced technological tools can assist with statistical analysis. Probability and Statistics provides valuable experiences for students who plan to pursue postsecondary studies. It is recommended as a terminal course for students not planning studies in mathematics or science-related fields, and as a supplementary course for students planning studies in these areas.

Credit: 1.0

Course Prerequisite:

Successful completion of Algebra II with Trigonometry

Special Requirements:

None

PRE-CALCULUS

Course Description:

Pre-calculus is designed primarily for those students considering careers in mathematical or scientific fields of study. The challenging curriculum includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and the real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations.

Credit: 1.0

Course Prerequisite:

Successful completion of Algebra II with Trigonometry

Special Requirements:

None

ADVANCED PLACEMENT (AP) CALCULUS

Course Description:

AP Calculus is a yearlong college-level mathematics that provides a more in-depth treatment of differential calculus while introducing several higher-level topics. Riemann sums, interpretations and properties of definite integrals, applications of integrals, the Fundamental Theorem of Calculus, techniques of antidifferentiation with applications, and numerical approximations to define integrals are all included in the topical outline. Problem-solving involving real-world applications is integrated into all topics of this course. Students will take the Advanced Placement Calculus Exam given by the College Board in May. Students' exam scores are sent to the colleges of their choice, which then may grant credit, advanced placement, or both, depending on institutional policies. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites:

Algebra I, Geometry, Honors Algebra II with Trig, and Pre-Calculus.

Special Requirements:

* In May, students are administered the AP Calculus exam prepared by the College Board. There is a fee for the exam. Students should inquire about AP credit at the colleges they are interested in attending.

SCIENCE

PHYSICAL SCIENCE

Course Description:

This is an introductory survey course of concepts taught in chemistry and physics. These concepts give students the opportunity to develop an appreciation and understanding of the forms of matter and energy that make up the physical universe.

Credit: 1.0

Course Prerequisites:

Successful completion of Biology

Special Requirements:

There is a fee for this course.

BIOLOGY

Course Description:

This course focuses on the use of biological concepts with emphasis on the interaction of organisms and the environment, the study of cells and genetics, and the process of organismal change.

Credit: 1.0

Course Prerequisites:

Successful completion of an 8th grade science course

Special Requirements:

There is a fee for this course.

PRE AP BIOLOGY

Course Description:

Pre-AP Biology is the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environments. The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes, building a foundation for success in the college level AP courses to follow. Course material is roughly divided as follows: 35% molecules and cells, 35% evolution and genetics, and 30% organisms and populations. Nature of science will be taught throughout the year. Pre-AP Biology is recommended for high-achieving students and for students who have a particular interest in biology and the natural sciences, including students who are traditionally underrepresented in AP courses. Students will be ultimately responsible for their learning; therefore, they should be organized, prepared, and motivated to learn every day. The Pre-AP Biology curriculum differs from the regular Biology curriculum in meaningful ways. The Pre-AP course places a higher priority on developing critical thinking skills by examining real world problems. The Pre-AP curriculum examines topics with more depth and includes more advanced resource material in addition to the adopted text. Laboratory investigations play a more prominent role in the Pre-AP course. Labs are more sophisticated than in the regular curriculum and students are expected to design and carry out experiments using appropriate methods and resources. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisite:

Concurrent enrollment in 9th grade and Honors Geometry.

CHEMISTRY

Course Description:

This course focuses on providing a fundamental understanding of chemistry concepts associated with structure, forms, changes, availability, and uses of matter. It is designed for the student who wishes to gain a more scientific background in preparation for college, and it relies heavily on problem solving skills and math skills.

Credit: 1.0

Course Prerequisites:

Successful completion of Biology and successful completion or concurrent enrollment in Algebra II with Trigonometry

Special Requirements:

There is a fee for this course.

PRE AP CHEMISTRY

Course Description:

Pre AP is designed to prepare students to take AP Chemistry. It is intended primarily for students who are likely to pursue some science-related field of study in college. A more “indepth” and quantitative approach will be taken in the same topics covered in the Chemistry course. The Pre-AP Chemistry course will cover approximately 25% of the AP Chemistry curriculum including scientific method, atomic theory, stoichiometry, reaction types and the first law of thermodynamics. In addition, lab safety and laboratory techniques will be emphasized with college level labs that reinforce the material being covered in class. The students electing this course should have a higher-than-average ability in mathematics. It exposes the students to the type of expectations and activities required by the AP program, thereby laying the foundation for success not only in the AP Chemistry program but also ultimately in college course work. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites:

Successful completion of Pre AP Biology or Biology with at least an 80 average and successful completion or concurrent enrollment in Algebra II with Trigonometry.

Special Requirements:

There is a fee for this course.

ADVANCED PLACEMENT (AP) CHEMISTRY

Course Description:

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. AP Chemistry students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems contributing to the development of the students’ abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. The textbook, topics covered, the emphasis on chemical calculations and the mathematic formulation of principles, and the type of laboratory work will be at the first year college level. Quantitative differences

appear in the number of topics learned, the time spent on the course by the students, and the nature and variety of experiments done in the laboratory. Keeping emphasis on content of general chemistry courses, topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, organic chemistry, and the basic concepts of thermodynamics are presented in considerable depth. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites: AP Chemistry is designed to be taken only after the successful completion of Pre AP Chemistry and Algebra II with at least a 80 average in each course.

Special Requirements:

* In May, students are administered the AP Chemistry exam prepared by the College Board. There is a fee for the exam. Students should inquire about AP credit at the colleges they are interested in attending.

ADVANCED PLACEMENT (AP) BIOLOGY

Course Description:

This is an introductory college course in biology. Content areas of the course include molecules and cells, heredity and evolution, and organisms and populations. A minimum of twelve AP Biology laboratory investigations are included in the course. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites:

The course prerequisites for AP Biology are: an 80 average in both pre-AP Biology and pre-AP Chemistry (or Chemistry) or an "A" average in both Biology and Chemistry with teacher recommendation and administrative approval.

PHYSICS

Course Description:

Physics is the branch of science that addresses the properties of physical quantities and their relationships. The course consists of studies of motion, force, energy, heat, electricity, and magnetism. As a result of taking physics, students can predict outcomes and solve practical problems related to everyday situations. Students interested in the field of engineering, medicine, and law are encouraged to take physics due to the strong emphasis on problem solving and critical thinking skills. Experiments will constitute much of the course and will encourage students to think creatively as well.

Credit: 1.0

Course Prerequisites:

Successful completion of Biology, Chemistry, and Algebra II with Trigonometry and a "B" average in each course.

Special Requirements:

There is a fee for this course. Physics is a mathematical study of the world around us; therefore, strong math skills are necessary for this course.

ENVIRONMENTAL SCIENCE

Course Description:

This elective course introduces students to a broad view of the biosphere and the physical parameters that affect it. Students study a variety of topics including energy resources, environmental quality, and human practices and their effect on the environment. This course is designed to challenge students in a non-traditional classroom. emphasis is placed on cooperative learning, independent study, research, and long-term projects. Techniques used include role-playing, simulation games, dilemmas, field collection of data, and debates. Assessment of learning is based on completion of projects, oral presentations, independent research, and group connections.

Credit: 1.0

Course Prerequisites:

Successful completion of Biology

Special Requirements:

There is a fee for this course.

HUMAN ANATOMY & PHYSIOLOGY

Course Description:

This elective is a high-level biology course with major emphasis on human anatomy and physiology. Laboratory activities and dissection are an integral part of this course. This course is strongly recommended for any student interested in a career in nursing, health sciences, or medicine.

Credit: 1.0

Course Prerequisites:

Successful completion of Biology and Physical Science.

Special Requirements:

There is a fee for this course.

SOCIAL STUDIES

PRE AP UNITED STATES HISTORY I

Course Description:

Pre AP U.S. History I is a challenging survey of American History from the age of exploration and discovery to the Reconstruction Period. This course strongly emphasizes critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. Students will look at some of the questions that historians still debate and present their own thoughts and opinions by completing research on the selected topic. Course objectives will include the following:

- Master a broad body of historical knowledge
- Demonstrate an understanding of historical chronology
- Use historical data to support an argument or position
- Interpret and apply data from original documents, graphs, cartoons, and letters, etc.

Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisite:

Successful completion of World History with at least an overall 80 average

Special Requirements:

None

UNITED STATES HISTORY I

Course Description:

The study of the early history of the United States forms the foundation for understanding the development and principles of modern American society. Beginning with the earliest explorations of American continents, this course offers a chronological study of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective. In addition to gaining essential knowledge regarding this period of our nation's past, students develop historical thinking skills, which include chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and analysis and decision making.

Credit: 1.0

Course Prerequisites:

Successful Completion of World History

Special Requirements:

None

UNITED STATES HISTORY II

Course Description:

This course builds upon the foundation of knowledge and skills gained in the United States History I curriculum by providing a study of the modern history of the United States that expands students' understanding of the principles of American society. Beginning with America's shift to a more industrialized society, this course offers a chronological study through the twenty-first century of major events, issues, movements, individuals, and diverse groups of people in the United States from a national and an Alabama perspective.

In addition to learning essential knowledge regarding this period in America's past, students develop historical thinking skills, including chronological thinking, historical comprehension, historical analysis and interpretation, historical research, analysis and decision making.

Credit: 1.0

Course Prerequisites:

Successful completion of United States History I or Honors United States History I

Special Requirements:

None

ADVANCED PLACEMENT (AP) UNITED STATES HISTORY

Course Description:

This course is a rigorous study of the history of the United States from 1492 to the present. The course is designed to meet state requirements as outlined in the Alabama Course of Study as well as prepare students for the Advanced Placement Examination. Students in AP U. S. History will receive instruction in analyzing primary and secondary sources and in thinking critically about historical problems. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

An 80 in U. S. History I or at least an 80 average with teacher recommendation. *In May, students are administered the AP U.S. History Exam prepared by the College Board. There is a fee for the exam. Students should inquire about AP credit at the colleges they are interested in attending. Students should be prepared to devote a large amount of time outside the classroom. This course is content-rich; therefore, students are responsible for lengthy reading assignments. Additionally, specific skills in historical writing and document analysis are taught in order to prepare students for the AP Examination. There is a course fee which is pooled to buy supplemental readers and review guides.

WORLD HISTORY

Course Description:

This course is designed to equip students with an understanding and knowledge of current world affairs through a study of the development of modern world nations and regions since WWII. Through historical inquiry, students gain an understanding and appreciation of history as a story of people much like themselves. They become increasingly able to understand global interdependence and realize connections among world societies. This course directs students to think critically about forces that combine to shape the world today. It allows them to explore the development and changes in European, Asian, African, and American Civilizations and ways in which the interactions of these cultures influenced the formation of today's world. Geographic concepts increase comprehension of global connections and allow students to expand knowledge and understanding of a wide variety of cultures, both historical and contemporary.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

None

HONORS WORLD HISTORY

Course Description:

This course explores the same topics as World History, but has a stronger emphasis on critical thinking and examination of historical texts. The additional work load will include more reading and writing assignments. Weighted credit is awarded for this course.

Credit: 1.0

Course Prerequisite:

Successful completion of 8th grade History with at least an 80 average

Special Requirements:

None

UNITED STATES GOVERNMENT

Course Description:

American Government embraces the study of institutions, people, processes, policies, and powers at the national, state, and local levels. Substantial emphasis is placed on the U. S. Constitution and on the structure and operations of the national government.

Credit: 0.5

Course Prerequisites:

Successful completion of U.S. History II

Special Requirements:

None

ECONOMICS

Course Description:

This course emphasizes traditional economic concepts such as supply and demand, competition and business organizations, identifying the various types of economic systems throughout the world, and our government's role in the economy. Personal economics such as budgeting, credit cards, and monitoring the stock market is another phase of this course. In addition, hands on computer simulations allow students the opportunity to manage their own business in a closed market. This course emphasizes participation in activities, writing reports, constructing charts and graphs, and creating a multi-person monthly budget.

Credit: 0.5

Course Prerequisites:

Successful completion of U.S. History II

Special Requirement

None

SPECIAL EDUCATION

ENGLISH ESSENTIALS 9

Course Description:

This course develops functional content standards necessary for achieving reading, writing, and language competency in the workplace and in community life as specified by the student's individual education Plan (IEP). It provides a foundation for the development of various skills which are essential to the student's success. This course focuses on gaining basic knowledge in the areas of reading, writing, speaking,

and listening that will lead to successful transition for community and work environments. Skills taught address the areas of following directions, listening, communication, vocabulary development, comprehension, writing, and language usage.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

Student must be eligible for special education services.

ENGLISH ESSENTIALS 10

Course Description:

This course continues the development of functional content standards necessary for achieving reading, writing, and language competency in the workplace and in community life as specified by the student's Individual Education Plan (IEP). It expands and builds on the foundation skills which are used to begin the practical application through school-based work instruction and community experiences. Student understanding is monitored and assessed regularly to ensure successful advancement to the next level.

Credit: 1.0

Course Prerequisites:

Successful completion of English Essentials 9

Special Requirements:

Student must be eligible for Special Education Services.

ENGLISH ESSENTIALS 11

Course Description:

This course strengthens functional content standards necessary for achieving reading, writing, and language competency in the workplace and in community life as specified by the student's individual education Plan (IEP). It emphasizes application of previously learned skills through community-based work training and classroom experiences. Students demonstrate proficiency in acquired skills by rotating through various work experiences. Students exhibit increased knowledge of reading, writing, and language usage through interaction within the school, community, and work settings student performance is monitored and documented frequently to ensure success.

Credit: 1.0

Course Prerequisites:

Successful completion of English Essentials 10

Special Requirements:

Student must be eligible for Special Education Services

ENGLISH ESSENTIALS 12**Course Description:**

This course strengthens on-the-job functional content standards necessary for achieving reading, writing, and language competency in the workplace and in community life. It allows students the opportunity to demonstrate previously taught skills and to acquire increased proficiency through practice in specific work settings. assistance is given in seeking, securing, and maintaining competitive employment. Students demonstrate learned skills as they successfully make the transition from school to community and competitive employment.

Credit: 1.0

Course Prerequisites:

Successful completion of English Essentials 11

Special Requirements:

Student must be eligible for Special Education Services.

ALGEBRAIC ESSENTIALS A**Course Description:**

This course is designed for students who need additional help in acquiring the prerequisite skills necessary to progress to the next course level identified in the Alabama Occupational Diploma Curriculum guide to the standards Mathematics.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

Student must be eligible for Special Education Services.

ALGEBRAIC ESSENTIALS B**Course Description:**

this course is designed for students who need additional help in acquiring the prerequisite skills necessary to progress to the next course level identified in the Alabama Occupational Diploma Curriculum guide to the standards Mathematics.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebraic Essentials A

Special Requirements:

Student must be eligible for Special Education Services.

GEOMETRY ESSENTIALS A**Course Description:**

This course is designed for students who need additional help in acquiring the prerequisite skills necessary to progress to the next course level identified in the Alabama Occupational Diploma Curriculum Guide to the Standards Mathematics.

Credit: 1.0

Course Prerequisites:

Successful completion of Algebraic Essentials B

Special Requirements:

Student must be eligible for Special Education Services.

GEOMETRY ESSENTIALS B**Course Description:**

This course is designed for students who need additional help in acquiring the prerequisite skills necessary to progress to the next course level identified in the Alabama Occupational Diploma Curriculum guide to the Standards Mathematics.

Credit: 1.0

Course Prerequisites:

Successful completion of Geometry Essentials A

Special Requirements:

Student must be eligible for Special Education Services.

**ESSENTIALS:
PHYSICAL SCIENCE****Course Description:**

This course is designed to provide students with a practical knowledge of physical science including scientific process and application skills; the periodic table; solutions; bonding; chemical formulas; physical and chemical changes; gravitational; electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; and metric units.

Credit: 1.0

Course Prerequisites:

Successful completion of Essentials: Biology

Special Requirements:

Student must be eligible for Special Education Services.

**ESSENTIALS:
BIOLOGY****Course Description:**

This course is designed to provide students with a practical knowledge of biology including scientific process and application skills, cell processes, cell theory, photosynthesis and cellular respiration, genetics, classification, plants, animals, ecology, and biogeochemical cycles.

Credit: 1.0

Course Prerequisites:

Successful completion of 8th Grade Science

Special Requirements:

Student must be eligible for Special Education Services.

EARTH & SPACE SCIENCE**Course Description:**

This course is designed to provide students with a practical knowledge of earth and space science including scientific process and application skills; energy in the earth system; weather; seasons; theories for origin and age of the universe; stars, pulsars, quasars, black holes, and galaxies; earth and space scientists; and space exploration.

Credit: 1.0

Course Prerequisites:

Successful completion of Essentials: Biology

Special Requirements:

Student must be eligible for Special Education Services.

ESSENTIALS: ENVIRONMENTAL SCIENCE

Course Description:

This course is designed to provide students with a practical knowledge of environmental science including scientific process and application skills, natural and human impact on the environment, carrying capacity, renewable and nonrenewable energy resources, properties and importance of water, land use practices, and composition and erosion of soil.

Credit: 1.0

Course Prerequisites:

Successful completion of Essentials: Earth & Space Science

Special Requirements:

Student must be eligible for Special Education Services.

ESSENTIALS II: UNITED STATES HISTORY I

Course Description:

This course follows chronological study of major events, issues, movements, leaders, and groups of people of the United States through reconstruction from a national and Alabama perspective.

Credit: 1.0

Course Prerequisites:

Successful completion of Essentials I World History.

Special Requirements:

Student must be eligible for Special Education Services.

ESSENTIALS III: UNITED STATES HISTORY II

Course Description:

This course begins with post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present.

Credit: 1.0

Course Prerequisites:

Successful completion of Essentials II: United States History I

Special Requirements:

Student must be eligible for Special Education Services.

ESSENTIALS I: WORLD HISTORY

Course Description:

This course is a study of World History from 1500 to the present. Students are able to apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human right, trade, global ecology, and the impact each has on everyday life situations.

Credit: 1.0

Course Prerequisites:

Successful completion of 8th grade History.

Special Requirements:

Student must be eligible for Special Education Services.

ECONOMICS IV: ECONOMICS

Course Description:

This course is a one-semester course that focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities.

Credit: 0.5

Course Prerequisites:

Successful completion of Essentials III: U.S. History II

Special Requirements:

Student must be eligible for Special Education Services.

UNITED STATES GOVERNMENT

Course Description:

This is a one-semester course that focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the Constitution of the United States and its provisions.

Credit: 0.5

Course Prerequisites:

Successful completion of Essentials III: U.S. History II

Special Requirements:

Student must be eligible for Special Education Services.

FUNDAMENTAL STUDY SKILLS

Course Description:

This elective course is designed to help students develop good study and time management skills. Reinforcement of structure language skills is provided. Students also receive help with homework and assignments in order to be successful in inclusive classes.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

Students must be eligible for Special Education Services.

READING BASIC SKILLS

Course Description:

This course is designed for students who wish to improve their basic reading skills. Coursework includes work on fundamental word analysis skills and fundamental comprehension skills.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

Student must be eligible for Special Education Services

MATH BASIC SKILLS

Course Description:

This course is designed for students who wish to improve their basic math skills. Coursework includes work on fundamental problem analysis skills and fundamental computation skills.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

Student must be eligible for Special Education Services

TRANSITION SERVICES II

Course Description:

This course will provide additional transitional services preparation for students to become self-advocates, participate in post-secondary education and/or training to gain meaningful employment, and support community participation as they plan for life after high school.

Credit: 1.0

Course Prerequisites:

Must be pursuing the Essentials/Life Skills Pathway of the Alabama High School Diploma.

Special Requirements:

Student must be eligible for Special Education Services

* COOPERATIVE EDUCATION SEMINAR

Course Description:

Students in the twelfth grade who have completed prerequisites and who desire competitive employment are placed in jobs early in the school year. Each student must document 270 hours per year of successful paid employment while enrolled in this course. Release time is given for students to participate in work experiences for credit. One credit in each of the non-elective subject areas of English, math, science, and social studies will be earned in conjunction with this course, as well as attending a related study class as part of the cooperative education program. Students will work with the Career/Technical Education teacher and/or Cooperative Education coordinator and job coach for the purpose of refining work skills, habits, behaviors on the job, and advocacy training. Additionally, an overview of employment law, guidelines, and work situational problem solving will be covered.

Course Prerequisites:

None

Special Requirements:

None

FINE ARTS

Visual Arts, Level I
Visual Arts, Level II
Drama

VISUAL ARTS, LEVEL I

Course Description:

Level I Visual Arts is designed to address the needs of young artists who are eager to explore and experiment in creating two- and three-dimensional works of art. The visual arts curriculum centers on producing, responding to, and understanding art. Knowledge, skills, and attitudes gained in this course promote future enjoyment and appreciation of the arts. Students respond to personal experiences and conceptualized ideas as they learn to manipulate the elements of art and the principles of design through the use of a variety of processes, techniques, and media. Level I standards are structured to provide a foundation for more advanced work.

Credit: 1.0

Prerequisites and/or Special Requirements:

Students enrolling in this course should have an interest in the visual arts.

There is a fee for this course.

VISUAL ARTS, LEVEL II

Course Description

Level II Visual Arts is designed to address the needs of students with Level I visual arts experience. These students require concrete experiences that provide direction and advanced skill development. As they continue to learn the visual language and understand the significance of artistic symbolism, students focus on the production of visual relationships; the exploration of techniques, processes, and media; and the study of history, culture, aesthetics, and criticism. Students in Level II may be considering visual arts as a possible career option.

Credit: 1.0

Course Prerequisites:

Successful completion of Visual Arts, Level I

There is a fee for this course.

THEATER

Course Description:

The purpose of this course is to give the student an increased appreciation of and additional experience in theater as an art form. The student will act, direct, or be technically involved in scenes, one-act plays or full length productions. They will read, write and evaluate plays as well as view and critique electronic and live performances. History, culture and technology will be examined, and career opportunities will be explored. Through creating theater, students will grow in their ability to comprehend the world and to communicate with others.

Credit: 1.0

Prerequisites and /or Special Requirements:

Students enrolled in this course will be expected to participate in an on stage production.

There is a fee for this course.

INSTRUMENTAL MUSIC

ALL INSTRUMENTAL MUSIC CLASSES ARE PERFORMANCE BASED AND DAILY PARTICIPATION IS REQUIRED FOR CONTINUED ENROLLMENT.

***The Alexander City Band Booster provides individual students opportunities to earn financial credit toward fees and trips through fundraisers. These are available for BAND STUDENTS. Many students fund their opportunities entirely by these means. There are required minimums for every student.**

Students participating in the BRHS Marching Band must be enrolled in one of these classes for the entire academic year. Fees for participation in the marching band are \$150.00 for all members. Uniform costs are \$90 for the purchase of marching pants and shoes. (One-time purchase, replaced as needed) Drum Majors and Visual Ensemble members incur extra expenses for uniform purchases.

ADVANCED PERFORMANCE CONCEPTS I & II

Advanced Performance Concepts will focus on the foundations of music notation, harmony, and introduction to conservatory training. Advanced performance techniques for instrumentalists and vocalists, and introduction to composition will also be a part of the course syllabus. Elements of music history and composition will be involved in the curricula. Audition preparation, secondary instrument acquisition (doubling), mentoring, and college preparatory activities will also be a focus.

Rationale: Many students have a desire to explore their musical interests more deeply than in an ensemble class. Whether for a deeper understanding or to prime them for a career as a musician or music educator, this course is designed to meet that need.

Students must have performance skill and a desire to pursue advanced instrumental or vocal success. **THIS IS NOT A MUSIC PRODUCTION OR MUSIC INDUSTRY CLASS.** This class is not intended to teach recording or production techniques.

APC II will be taught concurrently with APC I at a higher level of output and expectation.

Special Requirements:

There will be no class fee. Students will be required to have a high-quality set of headphones for listening. A subscription to Smart Music (\$40 annual fee) will be recommended.

Software used will include, but is not limited to: NoteFlight, Finale, Audacity, Garage Band, and similar editing software.

FRESHMAN BAND (4 Term Course, taught opposite Concert Band)

Freshman Band is the entry-level performing ensemble in the instrumental music program. All BRHS Band students begin in this ensemble. Music performances cover many styles of music, traditional and contemporary. Basic instrumental and musical skills emphasized and drilled in this class. Performances include concerts, assemblies, and assessments. Individualized performance evaluation is used to determine

sufficient mastery for participation in the Concert Band or Symphonic Band. Grades are issued primarily on performance tests and performances, and secondarily on participation in rehearsals.

Enrollment in Freshman Band as an incoming freshman is contingent on **completion** of the ACMS (or equivalent) Band program and recommendation by the ACMS Band Director. Continuing enrollment throughout high school is open to all students having completed the ACMS (or equivalent) Band program.

A student may be “exempt” from freshman band if their end of year placement audition earns them a spot in the BRHS Symphonic band.

Costs associated with participation in this class are centered around the purchase and maintenance of the student’s instrument and supplies.

CONCERT BAND (4 Term Course: 2 Term Course (Spring) for Percussionists)

Concert Band is the intermediate-level performing ensemble in the instrumental music program. Music performances cover many styles of music, traditional and contemporary. Progressive instrumental and musical skills emphasized and drilled in this class. Performances include concerts, assemblies, and assessments. Individualized performance evaluation is used to determine sufficient mastery for participation in the Symphonic Band or to remain in the Concert Band. Grades are issued primarily on performance tests and performances, and secondarily on participation in rehearsals.

Students must have completed Freshman Band or its equivalent in another school system. Transfer students and those enrolling in the BRHS Band program for the first time, beyond their freshman year, may not enroll without the specific approval of the directors. (ex. A student may not skip their 9th grade year in band and enroll directly into the Concert Band.)

Grades 9-12 may be enrolled in this ensemble.

Costs associated with participation in this class are centered around the purchase and maintenance of the student’s instrument and supplies.

SYMPHONIC BAND (4 Term Course)

The Symphonic Band is the premier instrumental ensemble at Benjamin Russell High School. Musical expectations for the Symphonic Band are high, therefore students outcomes must meet expectations. Musical training is designed to meet that need. Higher order musical, ensemble, and technical skills are nurtured in this ensemble. Musical performances include, but are not limited to, concerts assemblies, contests, recruitment events, and public celebrations. Students are also encouraged to take auditions for all-district, all-state, and honor bands as well as post-secondary performance scholarships. Private study is encouraged and provided to those students motivated to pursue scholarships and extra-curricular honors.

A highly skilled student who refuses to meet daily preparation requirements may be disallowed participation in the Symphonic Band, regardless of placement results.

Enrollment is by result of a successful placement audition in the spring. Symphonic band performers must have mastered Concert Band Level rehearsal and performance skills as well as maintained a “member-in-good-standing” status. While members of the Symphonic Band, students are expected to maintain high standards of individual preparation and study, both during and after school. Students must maintain academically “on-track for graduation” status to continue enrollment. Costs associated with participation in this class are centered around the purchase and maintenance of the student’s instrument and supplies.

JAZZ BAND SPRING/FALL (4 Term Course)

Jazz Band is a full year performance class. Performance is focused on Jazz idioms. (Big Band, Swing, Be-bop, Latin, etc.) The primary focus is on ensemble performance, however, opportunities to develop solo skills are available when desired. Performances include concerts, assemblies, public events, and various community outreach efforts.

Enrollment is by BRHS Band Director approval only. All BRHS Band students may inquire about membership. Rhythm Section performers may opt for Jazz band instead of Percussion Ensemble in the spring.

Costs associated with participation in this class are centered around the purchase and maintenance of the student’s instrument and supplies.

If interest in Jazz band exceeds reasonable instrumentation for a single band, adding an additional class will be considered.

MARCHING PERCUSSION TECHNIQUES

(2 Term Course) Fall Semester Only

Percussion Techniques is required of any percussionist that is involved with the BRHS Marching Band. Participation is by director’s approval only. Freshmen must have completed requirements from the ACMS Band Program or the equivalent, and have gone through the audition process during the prior Spring semester. Students will learn the techniques involved in performing with a percussion ensemble in both the marching and concert genres.

Students enroll in percussion techniques in lieu of Concert or Symphonic Bands for the Fall Semester. Students are required to enroll in their respective bands during the spring. A marching band instrument will be assigned to each student, and it is expected that the instruments be cared for as their own.

CONCERT PERCUSSION ENSEMBLE

(2 Term Course) Spring Semester Only

Percussion Ensemble is offered to percussion students, in grades 9-12, who have completed study in the ACMS Band program. Music performances cover many styles of music, traditional and contemporary. Basic instrumental and musical skills emphasized and drilled in this class. Performances include concerts, assemblies, and assessments. Grades are issued primarily on performance tests and performances, and secondarily on participation in rehearsals.

Students who have completed study in piano or strings may be allowed to audition for entry into this ensemble. Admission, in these circumstances, is by approval of the director. Students wishing to participate in marching percussion will audition for the director at the conclusion of the Spring semester of Percussion Ensemble.

FINE ARTS ACADEMY (FAA) COURSES:

LEVEL 1: INTRO TO MUSICAL CONCEPTS

This course will explore introductory aspects of musical notation, musical production, basic musicianship, industry processes, and copyright laws. Basic musicianship as a singer, keyboardist, or vocalist is required. If a student has advanced knowledge of production software (ProTools, etc.) and operation of recording technology, this may be substituted. Students will gain introductory knowledge as it pertains to professional occupations in the music, music production, and music education fields. It is not a beginning instrumental technique, though students who already play instruments will be encouraged to expand their skills to other instruments.

Prerequisite: None

Special Requirements:

There will be a nominal fee to cover clerical costs and software licensing.

LEVEL 2: INTRO TO PERFORMANCE SPACE AND TECHNOLOGY

This course will provide orientation, set up, and use of performing spaces, software, and technology. There will be significant lab opportunities with the BRHS Fine Arts programs, school assemblies, and possibly with Alexander City Arts council.

Examples of the skills learned would be: stage auditorium equipment and safety, sound system set up and operation, lighting set up and operation. Additionally, professional aspects of technical personnel for live performances and public assemblies will be taught.

Prerequisite:

Successful completion of Intro to Musical Concepts

Special Requirements:

There will be required attire. Funding for this has not been determined. However, students’ expense will be kept nominal. Costs associated with participation in instrumental music classes are centered around the purchase and maintenance of the student’s instruments, implements and supplies.

PHYSICAL EDUCATION AND HEALTH

LIFELONG INDIVIDUALIZED FITNESS EDUCATION (LIFE)

Course Description:

Lifelong individualized Fitness Education (LIFE), a required one-credit high school course, provides students with a blueprint for a lifetime of healthy living. Through the LIFE course, students acquire information regarding various aspects of fitness, understand the significance of a healthy lifestyle and apply this learning to assess their own fitness levels. Throughout the LIFE course, a variety of health-enhancing activities are derived by utilizing sports and games as a vehicle for reinforcing and applying fitness components and principles. Students who successfully complete the LIFE course fulfill the Alabama High School Diploma requirement for one credit in physical education.

Credit: 1.0

Course Prerequisites:

None

Special Requirements:

Students are expected to dress out and participate daily.

GIRLS AND BOYS ATHLETIC LIFE PE

Course Description:

This course develops advanced skills and techniques and teaches strategies and rules for girls/boys interscholastic sports. Competition against other schools develops pride, self-confidence, and sportsmanship. The purpose of this course relates to career planning (occupational – especially health or recreational related fields, technical training, and college); practical applications (fitness program with mental and physical benefits and exposure to a variety of activities); and self-development (team work, sportsmanship, and positive self-image). *This is a one or two semester course, depending on the team(s) with which a student is involved.

Credit: 1.0

Course Prerequisites and/or Special Requirements:

Must be an active member of a 9th grade, junior varsity, or varsity team at BRHS or have prior approval from the coach.

HEALTH

Course Description:

This course approaches health from the standpoint that each person has some degree of control. A person is in the position to make certain decisions and to take certain actions that influence the level of such decisions and actions regarding the use of drugs, medical check-ups, choices of friends, teenage suicide, and caring about one's worth. The purpose of this course relates to career planning (occupational, technical training, and college); practical applications (personal health and fitness; safety and emergency care; and environment and community health); and self-development (self-awareness and decision making skills). Objectives for students in this course include the following: (1) to have high quality health as a value and a goal; (2) to develop a positive self-concept and to care about their peers, family, and others; (3) to learn up-to-date health concepts and information; (4) to have the ability to cope effectively with stresses of living in a complex society; and (5) to develop an awareness of how important their health related actions are in determining their present and future level of health.

Credit: 0.5

Course Prerequisites: Special Requirements:

None

Special Requirements: There is a fee for this course.

DRIVER EDUCATION

Course Description:

This course is designed to help students develop mental, physical, and social skills needed to drive in today's complex traffic environments. Safety, smooth flow of traffic, and enjoyable driving are stressed. The purpose of this course relates to career planning (occupational, technical training, and insurance purposes); and self-development (courtesy, cooperation with others, and self-confidence). Students will (1) learn the basic skills in steering, accelerating, and braking;

(2) develop skills in changing lanes, turning, backing, and parking; (3) develop defensive driving skills; and (4) learn the rules of the road and special safety laws. This course is not designed as a stepping stone to get a driver's license but as an opportunity to learn driving through classroom instruction, simulation, and behind-the-wheel practice so that all mental, physical, and social skills are enhanced to help make a safe experience. Students will have an opportunity to earn a Boat/Vessel License and an Alabama Driver's License during this course.

Credit: 0.5

Course Prerequisites:

Students must be able to perform basic driving maneuvers. Skills are tested in simulation and behind the wheel.

Special Requirements: There is a \$30 fee for this course.

CAREER TECHNOLOGY

Alabama's Career and Technical Education curriculum empowers students with the work-readiness skills necessary for success in the twenty-first century. Career empowered students are productive citizens who are prepared with the knowledge and skills for postsecondary education or for employment. The career and technical education classroom provides an opportunity for all students to combine academics with other high-caliber learning experiences.

Programs are designed to keep abreast of the rapid changes in business and industry by offering students a rigorous array of course work to help prepare them for advanced learning and a wide range of career opportunities. Rigor in the course of study is derived from two primary sources—academic and industry-specific workplace knowledge and skills.

Alabama's growing economy has created the demand for an increased number of quality employees. The Career and Technical Education program equips students with the life skills and knowledge necessary to meet this and other demands by preparing them for lifelong learning.

CAREER PREPAREDNESS

The Career Preparedness course focuses on three integrated areas of instruction—academic planning and career development, financial literacy, and technology. Course content ranges from college and career preparation to computer literacy skills to ways to manage personal finances and reduce personal risk. The area of technology is designed to be interwoven throughout course instruction. Mastery of the content standards provides a strong foundation for student acquisition of the skills, attitudes, and knowledge that enables them to achieve success in school, at work, and across the life span.

As part of preparing students to be college- and career-ready, this course also equips them with the skills needed for business and industry, continuing education, and lifelong learning. Acquisition of these skills is achieved by incorporating content and strategies that can easily allow students to meet the required 20-hour online experience.

Credit: 1.0

Course Prerequisites:

None

Special Requirements: The course is an Alabama High School graduation requirement.

AGRISCIENCE

AGRISCIENCE

Course Description:

Agriscience is a course that provides students with a general overview of the Agriculture, Food and Natural Resources cluster, which contains five pathways—Power, Structure, and Technical Systems; Environmental and Natural Resources Systems; Animal Systems; Plant Systems; and Agribusiness Systems. Students are involved in classroom and laboratory activities in each of the five pathway areas. Topics included in this course include career opportunities, safety, technology applications, agribusiness leadership, animal science, aquaculture, wildlife science, pest management, woodworking, metalworking, small engines, electrical wiring, and plumbing.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$25 fee for lab experiences.

WOODWORKING AND MACHINE SHOP

Woodworking and Machine Shop is a one-credit course designed to facilitate student understanding of the finishing phase of a structure. Students become familiar with the exterior and interior finishing of a structure. Topics include career opportunities, safety, windows, doors, plumbing, electrical wiring, insulation, wall coverings, storage, and finishes.

Credit: 1.0

Prerequisite: Successful completion of Agriscience

Special Requirements: There is a \$40 fee for lab experiences.

WELDING AND FABRICATION

Welding and Fabrication is a one-credit course designed to provide students with an understanding of the framing phase of a structure, including framing components. Topics include career opportunities, safety, lumber, material estimation, floor systems, wall framing, ceiling framing, stair construction, roof framing, and roof materials in various structures.

Credit: 1.0

Prerequisite: Successful completion of Woodworking and Machine Shop

Special Requirements: There is a \$40 fee for lab experiences.

ENVIRONMENTAL MANAGEMENT

Environmental Management is a one-credit course that provides students with the opportunity to develop an understanding of the principles and practices of environmental management. Topics include career opportunities, safety, importance of natural resources, waste management, water quality, soil science, air quality, pesticide management and use, ecology, and energy conservation.

Credit: 1.0

Prerequisite: Successful completion of Fish and Wildlife Management

FISH AND WILDLIFE MANAGEMENT

Fish and Wildlife Management is a course that provides students with the opportunity to gain knowledge regarding the management of natural resources. Topics included in the course are career opportunities, outdoor safety, history, issues, classification, fish and wildlife ecology, fish and wildlife management, endangered species, fish and wildlife pest management, and outdoor recreation.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$20 fee for lab experiences.

FORESTRY

Forestry is a course designed to enable students to become knowledgeable of forestry and wood technology. Students acquire an appreciation for increased emphasis on managing and conserving forests for the future. Topics include career opportunities, safety, history, dendrology, tree measurement, mapping, silviculture, forest products, and forest protection.

Credit: 1.0

Prerequisite: Successful completion of Environmental Management

LANDSCAPE DESIGN AND MANAGEMENT

The Landscape Design and Management course allows students to become more knowledgeable about and appreciative of landscape design and management. Topics include career opportunities, safety, landscape design, plant selection, landscape growth and the environment, landscape establishment and management, interior plantscaping and xeriscaping, landscape business management, and technology.

Credit: 1.0

Prerequisite: Successful completion of Forestry

AGRICULTURAL COMMUNICATION

A one-credit course designed to enable students to effectively communicate in agribusiness settings. Emphasis is placed on conflict resolution, time management, and supervised agricultural experience programs. Career and technical student organizations are integral, co-curricular components of each career and technical education course.

Prerequisite: Teacher approval required.

Special Requirements: There is a \$40 fee for lab experiences.

ENGINEERING

Foundations of Engineering

Foundations of Engineering is a one-credit course designed to offer students an overview of the engineering profession and fundamental skills utilized in general engineering. Students investigate various engineering disciplines and related career paths. They develop communication and teamwork skills as well as increase their understanding of basic scientific and mathematics principles used in problem solving through the engineering design process.

This one-credit course is designed to provide students with the fundamental knowledge and skills of robotics. Emphasis is placed on fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$25 fee for lab experiences.

INTRO TO ROBOTICS

This one-credit course is designed to provide students with the fundamental knowledge and skills of robotics. Emphasis is placed on fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of robotic systems.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$25 fee for lab experiences.

DIGITAL ELECTRONICS

This one-credit course is designed to provide students with the fundamental knowledge and skills for this area of the electrical industry. Emphasis is placed on job safety, characteristics of digital circuit signals, logic gates, logic devices, and digital circuits. Upon successful completion of this course, students perform basic tasks related to the electrical industry.

Credit: 1.0

Prerequisite: Successful completion of Intro to Robotics

Special Requirements: There is a \$25 fee for lab experiences.

ROBOTIC APPLICATIONS

This one-credit course is designed to provide students with the fundamental knowledge and skills of robotics. Emphasis is placed on the applications of a variety of robotic systems. Upon successful completion of this course, students construct a robotic system with peripheral devices.

Credit: 1.0

Prerequisite: Successful completion of Intro to Robotics

Special Requirements: There is a \$25 fee for lab experiences.

ADVERTISING DESIGN

INTRODUCTION TO ADVERTISING DESIGN

Introduction to Advertising Design is a one-credit course that provides students with orientation experiences and laboratory safety for working in an advertising design studio environment. Topics of study include art history, art production, art criticism, design elements and principles, and materials and media utilized in the field of visual communication. Particular emphasis is placed on related academic skills. Successful completion of this course prepares students for the next course in the Advertising Design program, Digital Design. This course or an equivalent visual arts credit is a prerequisite for other courses in the Advertising Design program.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$25 fee for lab experiences.

DIGITAL DESIGN

Digital Design is a one-credit course designed for students who have successfully completed the Introduction to Advertising Design course or have completed one credit in Visual Arts. Digital Design provides students with hands-on experiences addressing a variety of components of information design. Instruction includes information regarding various computer operations, applications and procedures, type styles, desktop publishing, layout and design techniques, mechanical production files, formats, and technology in the work place. Skills gained in this course prepare students for the Graphic Illustration course, the next level of study in the Advertising Design program.

Credit: 1.0

Prerequisite: Successful completion of Introduction to Advertising Design

Special Requirements: There is a \$15 fee for lab experiences.

GRAPHIC ILLUSTRATION

Graphic Illustration is a one-credit course that provides students with experiences and instruction in object and information design. Students apply the elements of design and sharpen visual communication skills. They design projects that allow them to manipulate graphic applications and demonstrate mastery of these skills. Topics of study include interior design, fashion illustrations, computer and hand drawings, exploration of software, package design, typography, and digital photography. Skills developed in these areas prepare students for the final course in the sequence, Studio and Portfolio.

Credit: 1.0

Prerequisite: Successful completion of Digital Design

Special Requirements: There is a \$15 fee for lab experiences.

DIGITAL FILE PREPARATION (ECHO/YEARBOOK)

Digital File Preparation is a one-credit course providing practical application of skills in desktop publishing, page layout, and graphics. Upon completion of this course, students are able to prepare layouts for newsletters and other publications, solve related problems using appropriate mathematics skills, and demonstrate manipulation of text and graphics to meet standards of the graphic arts industry.

Credit: 1.0

Prerequisite:

Special Requirements: There is a \$15 fee for lab experiences.

ADVANCED DIGITAL FILE PREPARATION AND OUTPUT (ECHO/YEARBOOK)

Advanced Digital File Preparation and Output is a one-credit course that provides students with industry-focused laboratory experiences. Emphasis is placed on digital photography and imaging, file storage and transfer, and computer-to-plate operations. Upon completion of the course, students are able to create logo designs; digital page layouts; and multiple-page jobs with pagination, folds, and guides.

Prerequisite: Students must apply for the ECHO staff during March and will be notified of their acceptance.

FAMILY AND CONSUMER SCIENCE

FAMILY AND CONSUMER SCIENCES

A one-credit course that provides students with core knowledge and skills in the areas of marriage and family, parenting and care giving, consumer sciences, apparel, housing, food and nutrition, and technology.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$20 fee for lab experiences.

FOOD AND NUTRITION

Food and Nutrition is a one-credit course that exposes students to the fundamentals needed to make effective decisions regarding nutrition and wellness for life. Topics include the impact of daily nutrition and wellness practices on long-term health and wellness; physical, social, and psychological aspects of healthy nutrition and wellness choices; selection and preparation of nutritious meals and snacks based on United States Department of Agriculture (USDA) Dietary Guidelines and Food Guide Pyra- mid; safety, sanitation, storage, and recycling processes and issues associated with nutrition and wellness; impacts of science and technology on nutrition and wellness issues; and nutrition and wellness career paths. FCCLA is an integral, co-curricular component of this course.

Credit: 1.0

Prerequisite: Successful completion of Family and Consumer Science

Special Requirements: There is a fee for this course.

EVENT PLANNING

A one credit course where students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.

Credit: 1.0

Prerequisite: Successful completion of Food and Nutrition

Special Requirements: There is a \$20 fee for lab experiences.

SENIOR INTERN CAREER PROJECT

A one-credit course designed for students who have completed a minimum of two career and technical education courses to select an area of interest; engage in in-depth exploration of the area; employ problem-solving, decision-making, and independent learning skills; and present a culminating pathway project before a selected audience.

Prerequisite: Approval of the teacher.

Special Requirements: There is a \$20 fee.

COSMETOLOGY

INTRODUCTION TO COSMETOLOGY

A one-credit course designed to provide students with a study of concepts related to the cosmetology profession. Students gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$25 fee for lab experiences.

CHEMICAL SERVICES

A one-credit course designed to focus on the theory of chemical services related to chemical hair texturing. Students gain initial, practical experience in performing various chemical texturing activities.

Credit: 1.0

Prerequisite: Successful completion of Introduction to Cosmetology.

Special Requirements: There is a \$25 fee for lab experiences.

NATURAL HAIR STYLING THEORY

A one credit course designed to provide instruction on scientific concepts and natural hair care and services. Theory scope of content includes infection control, safety practices, human anatomy and physiology, client consultation, analysis, documentation, services, and procedures. The career and technical student organization SkillsUSA is an integral, co-curricular component of this course.

Prerequisite: Successful completion of Introduction to Cosmetology.

Special Requirements: There is a \$25 fee.

SALON PRACTICES AND MANAGEMENT

A one-credit course designed to assist students in developing entry-level management skills for the cosmetology industry. Students practice all phases of cosmetology in a salon setting. The career and technical student organization SkillsUSA is an integral, co-curricular component of this course.

Prerequisite: Successful completion of Introduction to Cosmetology.

Special Requirements: There is a \$25 fee.

BUSINESS ADMINISTRATION AND MARKETING

BUSINESS ESSENTIALS

A one-credit foundation course where students develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in commerce and information technology careers.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$15 fee for lab experiences.

BUSINESS TECHNOLOGY APPLICATIONS

A one-credit foundation course designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

Credit: 1.0

Prerequisite: NONE

Special Requirements: There is a \$15 fee for lab experiences.

WEA – WILDCAT ENTREPRENEUR ACADEMY

The Wildcat Entrepreneur Academy (WEA!) is a year-long program that teaches middle and high school students how to start and run their own REAL businesses. The program is a partnership between the Alexander City Chamber of Commerce and Benjamin Russell High School with the WEA curriculum being incorporated into the regular class schedule at BRHS. WEA! guides high school students through the process of starting and running a legitimate business over the course of a full academic year. Career and technical student organizations are integral, co-curricular components of each career and technical education course.

Prerequisite: Successful completion of Business Essentials.

Special Requirements: There is no fee.

PROJECT LEAD THE WAY (PLTW) COMPUTER SCIENCE ESSENTIALS

A one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language. Career and technical student organizations are integral, co-curricular components of each career and technical education course.

Prerequisite: None.

Special Requirements: There is a \$10 fee.

FOUNDATIONS OF ENTREPRENEURSHIP

A one-credit course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving.

Prerequisite: Successful completion of Business Essentials.

Special Requirements: There is a \$10 fee.

SALES AND PROMOTION PLANNING

A one-credit course that provides the tools necessary for the development, implementation, and management of promotional programs. The focus of this course is on utilizing promotional knowledge and skills for communicating information to achieve a desired outcome.

Credit: 1.0

Prerequisite: Successful completion of Business Essentials.

Special Requirements: There is a \$10 fee for lab experiences.

HEALTH SCIENCE

FOUNDATIONS OF HEALTH SCIENCE

A one-credit foundational course that introduces students to integrated academics, employability and career development skills, legal and ethical issues, communications, safety, and life skills. This course is a prerequisite to all courses in the Health Science cluster.

Credit: 1.0

Prerequisite: NONE

SpecialRequirements: There is a \$5 fee for lab experiences.

THERAPEUTIC SERVICES

A one-credit course that introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.

Credit: 1.0

Prerequisite: Successful completion of Foundations of Health Science

SpecialRequirements: There is a \$40 fee for lab experiences.

SPORTS MEDICINE FUNDAMENTALS

Sports Medicine Fundamentals is a one credit course that will provide an overview of the field of sports medicine as well as expose students to fundamental skills. The importance of legal and ethical concerns will be emphasized. Students will learn about career opportunities, medical terminology, safety, assessment and emergency preparedness in sports medicine.

Credit: 1.0

Prerequisite: Success completion of Foundations of Health Science

SpecialRequirements: There is a \$15 fee for lab experiences.

HEALTH SCIENCE INTERNSHIP

Health Science Internship is a one or two credit course designed for students in grade 12. This course includes a variety of knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facilities. Theory and laboratory components comprise at least 10% of the Health Science Internship.

Credit: 1 or 2

Prerequisite: Successful completion of Therapeutic Services or Sports Medicine Fundamentals

Must complete an application, have teacher approval, transportation to clinical site, clinical fee/insurance, nursing scrubs with shoes, and name tag. There is a \$75 fee for lab experiences.

NAVAL JUNIOR OFFICER RESERVE TRAINING

NAVAL SCIENCE 1/2/3/4

Course Description:

The accredited curriculum emphasizes citizenship and leadership development, as well as maritime heritage and military fundamentals. Classroom instruction is augmented throughout the year by extra-curricular activities of community service, academic, athletic, drill and orienteering competitions, field meets, visits to military activities, universities, marksmanship sports training, and physical fitness training. electronic classroom equipment, textbooks, uniforms, educational training aids are provided by the Navy. **Students are not obligated to join the military as a result of taking this course.**

What does the NJROTC program do?

- ✓ Promotes Patriotism and develops informed and responsible citizens, with a respect for constructed authority.
- ✓ Develops a high degree of personal honor, self-reliance, individual discipline.
- ✓ Provides information on the military services as a possible career

What are the benefits of NJROTC?

- ✓ Approximately 60 percent of the cadets continue to higher education
- ✓ Offer ACT preparation.
- ✓ Cadets are better behaved, have higher attendance abuse, have higher self-esteem, develop positive life skills.
- ✓ Cadets learn the value of teamwork and individual accomplishments.
- ✓ Character education teaches values, principles, and self-discipline promoting positive, productive behaviors and provides a lifestyle support structure.
- ✓ While the training is along military lines, it is conducted so as to encourage initiative and individuality to develop natural gifts.
- ✓ Cadets in good standing with completion of at least years of JROTC are entitled to advanced promotion to pay grade E-3 upon initial enlistment in an active or reserve component of the army, navy, or air Force, and pay grade E-2 in the Marine Corps.
- ✓ Cadets may be nominated to the U.S. Naval Academy, U.S. Military academy and U.S. Air Force Academy in addition ROTC scholarships.

For specific standards contact the Naval Science program instructors.

Annual Fee: \$10.00 fee.

Credit: 1.0

Beginning with the 9th grade class of 2013-2014, this course also satisfies the required 1.0 credit of LIFE Physical Education required for graduation. Beginning with the 9th grade class 2016-2017, this course also satisfies the Career Preparedness graduation requirement.

NAVAL SCIENCE 1

A one-credit course that provides an introduction to NJROTC, career planning, leadership skills, citizenship and American Government, US Navy ships and aircrafts, wellness and first aid, survival skills, and geography. Students are also introduced to the basic principles of leadership. **Successful completion of this course also satisfies the required LIFE PE and Career Preparedness credits.**

Credit: 1.0

Prerequisite: Successful completion of Naval Science 1

Special Requirements: There is a \$10 fee per year.

NAVAL SCIENCE 2

A one-credit course designed to provide instruction in maritime history, leadership, maritime geography, oceanography, meteorology, astronomy, and physical science. The cadets will illustrate an understanding of people governments, military, and geopolitics.

Credit: 1.0

Prerequisite: Successful completion of Naval Science 2

Special Requirements: There is a \$10 fee per year.

NAVAL SCIENCE 3

A one-credit course to assist students in developing competencies in sea power and national security, military and international law, ship construction and organization, basic seamanship, maritime navigation, and naval weapons and aircraft.

Credit: 1.0

Prerequisite: Successful completion of Naval Science 3

Special Requirements: There is a \$10 fee per year.

NAVAL SCIENCE 4

A one-credit course that provides opportunities for practical applications in leadership, case studies, citizenship, personal responsibilities, operational risk management, long- and short-range planning, and community involvement and interaction.

Credit: 1.0

Prerequisite: Successful completion of Naval Science 4

Special Requirements: There is a \$10 fee per year.

ACT PREP/SUCCESS FOR LIFE

This course is designed to enhance student skills in Math and Language Arts to improve student performance on college entrance tests. This course also provides for students a wide range of skill and habits that are life enhancing and important to success in any field of endeavor. Subjects included: Writing with a focus on business, technical and resume writing; Financial Management with a focus money management, credit budgeting taxes, home ownership and mortgages; Continuing Educational Opportunities and Healthy Lifestyle with focus on lifelong physical well-being and personal appearance/presentation.

Prerequisite: None

Special Requirements: Must have faculty member/administrator recommendation and teacher approval.

Chromebook required.

COOPERATIVE EDUCATION**COOPERATIVE EDUCATION WORK-BASED EXPERIENCE**

A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.

Credit: 1.0

Prerequisites: Successful completion of Career Preparedness

Special Requirements: A student must be a junior or senior and at least 16 years old to enroll in cooperative education. Students must complete an application and interview with cooperative education coordinator before being accepted into the program.

TEACHER ASSISTANT**TEACHER ASSISTANT****Course Description:**

A student is assigned to a particular faculty/staff member in order to provide that person with assistance in carrying out his/her duties. a student's job might include running errands on campus, filing papers, assisting with paperwork, etc.

Credit: 1.0

Course Prerequisites/Special Requirements:

An application is required. Students in the 11th or 12th grade may apply.

STUDENT PROMOTION

Promotion for grade classification purposes is based upon the total number of credits accumulated at the end of each school year as follows:

Sophomore Status	6 Carnegie units of credit
Junior Status	12 Carnegie units of credit
Senior Status	20 Carnegie units of credit (10 of which must be core units with at least 2 units in each of the 4 core areas)

*Any exceptions will be at the principal's discretion.

iGRAD VIRTUAL ACADEMY

Students who are members of the iGrad Academy will be enrolled in an approved virtual platform. The standards covered will reflect the Alabama Course of Study. Credits will be awarded upon successful completion of the course.

PHOENIX ACADEMY

Students placed at Phoenix Academy will utilize an approved virtual program reflecting the standards being taught in the classroom. Credits will be awarded upon successful completion of the course.

Appendix A

DUAL ENROLLMENT

Central Alabama Community College

Purpose: Dual Enrollment permits eligible high school students to enroll in college courses concurrently with high school courses earning college and high school credit simultaneously.

Student Eligibility:

A high school student is eligible for Dual Enrollment for Dual Credit if he or she meets all of the following criteria:

- The student must be in grade 10, 11, or 12.
- The student must have a minimum cumulative (unweighted) high school grade point average of 2.5 on a 4.0 scale. Transcripts must be provided as documentation of the student's cumulative grade average.
- The student must have written approval of the appropriate principal or career and technical education program representative (if applicable) and counselor.
- Students registering for any college-level English or math courses must take the state approved placement assessment to determine their academic preparedness for college level courses. Students registering for career and technical education courses, with the exception of math and English, in the 10th or 11th grade should not be required to take the state-approved placement test.
- Students must take the state-approved placement assessment before the start of their 12th year of high school, or submit ACT scores which exempt them from the exam.
- Students must meet all applicable pre-requisites prior to enrolling in courses.
- Developmental courses (those numbered below 100) are not offered through dual enrollment.

Courses:

Courses are offered on CACC campuses on a two day schedule Monday/Wednesday or Tuesday/Thursday and may be taken during the day or in the evening. CACC is on the semester system – 15 weeks equal 1 semester. Courses numbered below 100 and physical education courses are not eligible. On campus 3 credit hour courses meet 75 minutes per day, two days per week; on campus 4 credit hour courses meet 100 minutes per day, two days per week.

Transcripts and GPA:

Dual courses are designated as “dual” on the college transcript, and dual course grades are calculated in a student’s high school GPA. Student grades are reported numerically and as a letter grade to the high school and as a letter grade on the college transcript. Dual enrollment classes are not weighted.

Other Issues:

Payment of tuition, fees, and books are the responsibility of the student and must be made by the first day of class. Transportation and attendance are the student’s responsibility. Students should know the policies of out-of-state colleges/universities to which they plan to transfer.

Articulation Web Page:

<http://stars.troy.edu>

Appendix B

ACCESS Distance Learning

What is ACCESS Distance Learning?

ACCESS Distance Learning (Alabama Connecting Classrooms, Educators, and Students Statewide), an education initiative of the Alabama Department of Education, provides opportunities and options for Alabama High School students to engage in Advanced Placement (AP), elective, and other courses to which they may not otherwise have access.

What are the Advantages of ACCESS Distance Learning?

- Instant Expansion of Course Offerings
- Honors Diploma and Advanced Level Courses in Areas such as Foreign Languages, Electives, and Higher Mathematics
- Advanced Placement and/or Dual Credit courses
- State-Approved Curricula Using the Latest Interactive Instructional Models
- Alabama Certified Teachers as E-teachers at Delivery Schools for Students Who are Supported by Facilitators at Each Receiving School
- High Quality Interactive Internet-Delivered Asynchronous Instruction for Web-Based Courses
- Synchronous (Real-Time) Instruction Utilizing Multipoint Videoconferencing Equipment for IVC (Interactive Videoconferencing) and Blended Courses
- Equal Access to High Quality Instruction

What are the costs?

Courses are provided during the regular school day at no cost to students under state rules established to govern the program through Alabama's ACCESS Distance Learning funds. (Requests for courses may not necessarily result in placement of students in courses.)

What is expected of a distance learning student?

Students are expected to participate in daily learning activities such as discussions, projects, labs, group work, and writing workshops. Sound familiar? Distance learning instructors guide students through content-approved courses by way of a Web-based or IVC-based format or a blend of the two course delivery methods.

What courses are offered and how should courses be requested?

For a complete and updated list of courses, visit the ACCESS Distance Learning Web Site. Guidance Counselors are able to request courses online at www.accessdl.state.al.us

How do I know if a student is a good candidate for ACCESS Distance Learning?

In general, students and educators rapidly adapt to the distance learning format. Many higher education institutions already have standard distance learning courses. **The following are some of the characteristics of more successful Web-based learners.**

- **Independent Learners**
- **Self Motivated**
- **Computer Literate Individuals**
- **Effective Written Communicators**
- **Open Communicators (Willing to Ask for Help and Share Problems and/or Concerns)**
- **Interested Online Learners**

For complete information, visit <http://accessdl.state.al.us>

Appendix C

DIPLOMA OPTION REQUIREMENTS

Alexander City Schools Diploma/Certificate Requirements
(Beginning with the ninth grade class of the 2015-2016 school year)

	Alabama High School Diploma with Honors	Alabama High School Diploma	Certificate
Math	4 units* <i>(Includes Pre-Calculus or above)</i>	4 units <i>(Includes Algebra II with Trig or Algebra with Finance)</i>	IEP
English	4 units*	4 units	IEP
Science	4 units*	4 units <i>(Includes Biology and a Physical Science)</i>	IEP
Social Studies	4 units*	4 units	IEP
Physical Education	1 unit <i>(LIFE or JROTC)</i>	1 unit <i>(LIFE or JROTC)</i>	IEP
Health	½ unit	½ unit	IEP
Career Preparedness	1 unit	1 unit	IEP
Career Technical and/or Foreign Lang and/or Arts Education	3 units <i>(Must include 2 units of the same foreign language.)</i>	3 units <i>(Students are encouraged to complete 3 courses in sequence.)</i>	IEP
Service Learning	100 hrs community service	N/A	N/A
Electives	6 ½ units	6 ½ units	IEP
TOTAL	28 units	28 units	Completed IEP

**Students pursuing an Alabama High School Diploma with Honors must earn credits in all Pre-AP and Honors Courses offered in grades 10-12. In addition, these students must earn credit in at least three Advanced Placement (AP) Courses. Students may choose from the following: AP United States History, AP Chemistry, AP English Language and Composition, AP English Literature, AP Calculus AB or AP Biology.*

Appendix D

ESSENTIALS/PATHWAY COURSES

This pathway is designed for students who qualify for special education services to earn an Alabama High School Diploma.

English Language Arts – 4 credits

English Essentials 9 – 1 credit

English Essentials 10 – 1 credit

English Essentials 11 – 1 credit

English Essentials 12 – 1 credit

Mathematics – 4 credits

Algebraic Essentials A – 1 credit

Algebraic Essentials B – 1 credit

Geometry Essentials A – 1 credit

Geometry Essentials B – 1 credit

Science – 4 credits

Essentials: Biology - 1 credit

Essentials: Physical Science - 1 credit

Essentials: Science - 1 credit

Essentials: Environmental Science - 1 credit

Social Studies – 4 credits

Essentials: United History I - 1 credit

Essentials: United States History 11 - credit

Essentials: World History- 1 credit

Essentials: Economics - ½ credit

Essentials: Government - ½ credit

Career Preparedness or NJROTC - 1 credit

LIFE (Physical Education) or NJROTC - 1 credit

Health Education - ½ credit

Transition Service II

Career Technical Education and or/Foreign Language and/or Arts Education – 3 credits

Students are encouraged to complete two courses in sequence.

Cooperative Education Seminar/Work Based Experience – 1 credit

Work Experience is Required: 270 hours paid employment during the 12th grade year

Electives - 4 ½ credits

TOTAL: 28 CREDITS FOR GRADUATION

Appendix E

Alabama High School Diploma with Honors STATUS REPORT

****MUST EARN CREDIT IN AT LEAST 3 ADVANCED PLACEMENT (AP) COURSES.****

ENGLISH – 4 credits

Must earn credits in ALL Pre AP & Honors Courses in grades 10-12

_____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)

SCIENCE – 4 credits

Must earn credits in ALL Pre AP & Honors Courses in grades 10-12

_____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)

MATH – 4 credits

Must earn credits in ALL Pre AP & Honors Courses in grades 10-12

_____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)

SOCIAL STUDIES – 4 credits

Must earn credits in ALL Pre AP & Honors Courses in grades 10-12

_____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)
 _____ (1 credit)

CAREER TECHNICAL AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION

3 credits (must include 2 units of the same foreign language)

Foreign Language I: _____ (1 credit)
 Foreign Language II: _____ (1 credit)
 _____ (1 credit)

ELECTIVES

Additional Electives required for at least 28
total completed credits

_____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)
 _____ (____ credit)

____ **LIFE (PE) or NJROTC or Band**– (1 credit)

____ **Health or Foundations of Health Science**– (½ credit)

____ **Career Preparedness or NJROTC** - (1 credit)

____ **100 Hours of Community Service**

Alabama High School Diploma

STATUS REPORT

ENGLISH – 4 credits

_____	(1 credit)
_____	(1 credit)
_____	(1 credit)
_____	(1 credit)

SCIENCE – 4 credits (must include Biology and a physical science)

_____	(1 credit)
_____	(1 credit)
_____	(1 credit)
_____	(1 credit)

MATH – 4 credits (must include Alg with Finance Alg II with Trig)

_____	(1 credit)
_____	(1 credit)
_____	(1 credit)
_____	(1 credit)

SOCIAL STUDIES – 4 credits

_____	(1 credit)
_____	(1 credit)
_____	(1 credit)
_____	(1 credit)

ELECTIVES

Additional Electives required for at least 28 total completed credits

_____	(____ credit)
_____	(____ credit)
_____	(____ credit)
_____	(____ credit)
_____	(____ credit)
_____	(____ credit)
_____	(____ credit)
_____	(____ credit)

_____ **LIFE (Physical Education) or**
NJROTC or Band - (1 credit)

_____ **Health or Foundations of**
Health Science– (½ credit)

_____ **Career Preparedness – (1 credit)**

CAREER TECHNICAL AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION3 credits *Students are encouraged to complete two courses in sequence.*

_____	(1 credit)
_____	(1 credit)
_____	(1 credit)

Appendix F

Class Rank and Grade Point Average

Many courses at Benjamin Russell High School award weighted credit. Class rank is determined by ranking each student's overall grade point average within the graduating class. Final senior class ranking is done at the end of the first semester of the senior year. The grade point average (GPA) is computed by using the following quality point scale:

Grade Earned	Regular Courses	Pre AP or Honors Courses	AP Courses
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1.5	2
F	0	0	0

VALEDICTORIAN, SALUTATORIAN AND TOP TEN SENIORS

Beginning with the freshman class entering in 2015-2016, the top 10 students of the senior class will be determined by their numerical grade point average. The student with the highest numerical grade point average (nearest ten-thousandth) who qualifies for the Alabama High School Diploma with Honors shall be the Class Valedictorian. The student with the second highest numerical grade point average (nearest ten-thousandth) shall be the Class Salutatorian.

If obtaining the highest GPA/Class Rank possible is important to a student, he/she should consider taking as many Honors/Pre A.P./A.P. classes that are available each year.

Appendix G

WILDCAT COMMUNITY SERVICE CHALLENGE

Purpose

The purpose of the Wildcat Community Service Challenge is multi-fold. First, we hope to instill in our students a sense of service that will assist in their personal and academic development. Such activities provide students with experiential opportunities to learn in the real world and to develop skills of citizenship and community engagement. Second, we hope to foster school system engagement with the larger community that furthers the academic and public purposes of the school system, while simultaneously strengthening our community. And third, student-based community service affords community partners with opportunities to address significant needs.

Student Goals

- Students will develop a greater sense of personal interests and talents, self-worth, self-efficiency, personal identity, spiritual growth, and moral development.
- Students will experience interpersonal development, particularly the ability to work well with others, and build leadership and communication skills.
- Students will reduce stereotypes and gain a greater inter-cultural understanding.
- Students will understand social responsibility and develop citizenship skills.
- Students will develop life-long interests in community service.
- Students' academic development will be positively impacted.
- Students will apply what they have learned in school to "the real world."
- Students will develop higher order thinking skills, with a better understanding of complexity, ambiguity, problem analysis, problem solving, critical thinking, and cognitive development.
- Students will gain a better understanding of diversity, culture, and socio-economic differences in our community.
- Students will make connections with professionals and community members for learning and career opportunities.
- Students will develop leadership skills.

Students Challenged

The Wildcat Community Service Challenge is issued toward all students of the Alexander City School System in grades 7 through 12.

Community Service Work Requirements

- All community service work must be documented annually on the Wildcat Community Service Challenge Documentation Form.
- This initiative recognizes the importance of service in each student's church or religious-based organization and within the student's own school. However, it is important that students move outside their normal environments and build relationships across the community. Therefore, no more than 25% of the community service work shall be allowed for church/religious-based organizations and 25% for their own school. A minimum of 50% of the total community service hours must be outside church/religious organizations and the student's own school.

Work Requirements per Grade Level

- 7th – 8th Grade = 10 hours per year
- 9th – 12th Grade = 25 hours per year

Community Service Requirements for Alabama High School

Diploma with Honors

Beginning with the freshman class of 2015-16, those students seeking the *Honors Diploma* tract must complete 100 hours of community service collectively in grades 9-12. The only exceptions will be for students who enter our school system after starting the 9th grade or other extenuating circumstances approved by the principal and superintendent. Those entering after 9th grade must meet yearly requirements for each year of attending BRHS. In order to stay on track to meet the required 100 hours, students seeking the *Alabama High School Diploma with Honors* are encouraged to meet the yearly goals set forth in the *Wildcat Community Service Challenge*.

Student Rewards for Completion of Challenge

- See the Student Goals section.
- Students' completion of the challenge will be annually documented on their academic transcript, and the student will receive a Community Service Challenge Certificate.
- Lists and pictures of completers will be annually published in local media outlets and school publications.
- Beginning with the 14-15 freshman class, students who meet the minimum hours of community service for each year in grades 9-12 will receive a Community Service Diploma Endorsement. A seal on the diploma and documentation on the academic transcript will note this.
- When funds are made available through sponsorship or the local school systems, small favors such as t-shirts or other items may be made available to completers of the challenge. No guarantee of such rewards is made.

Submittal of Documentation

- Students in grades 7-11 will submit documentation of completed community service by the end of the third nine-week grading period each school year. Seniors must submit their documentation at the conclusion of the first semester. On a yearly basis, the principal will provide directions for submittal.
- All community service must be documented as required and an official of the community organization/agency must sign for each event.
- A school committee will yearly evaluate submitted documentation and approve the community service hours for each student. If the committee finds a discrepancy, an effort to resolve the matter with the student will be made by the committee. All approved documentation will be forwarded by the committee to school counselors to be filed and noted on transcripts.

Mailing Address: _____

Date of Event	Time In	Time Out	Total Hours per Day

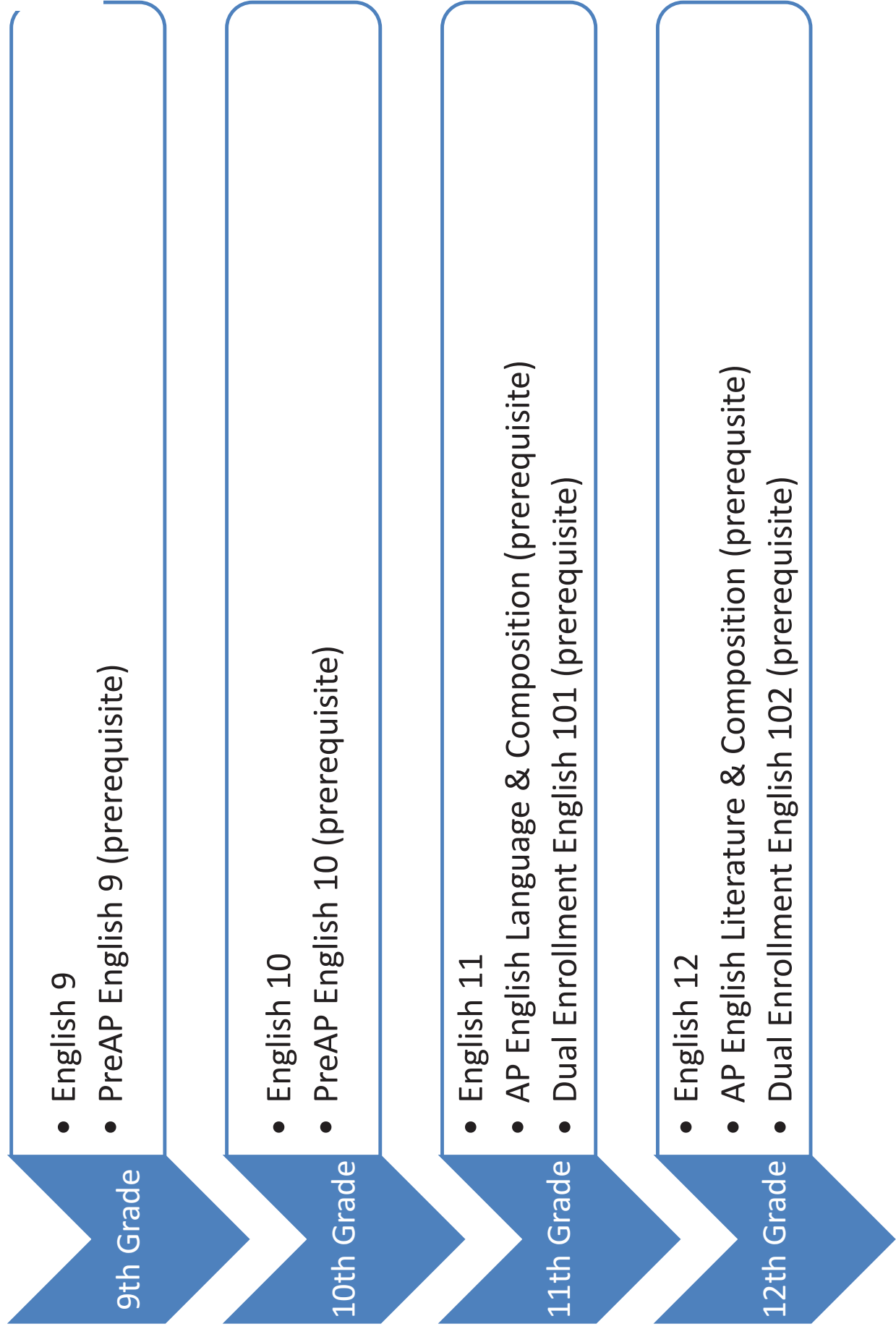
Date

31

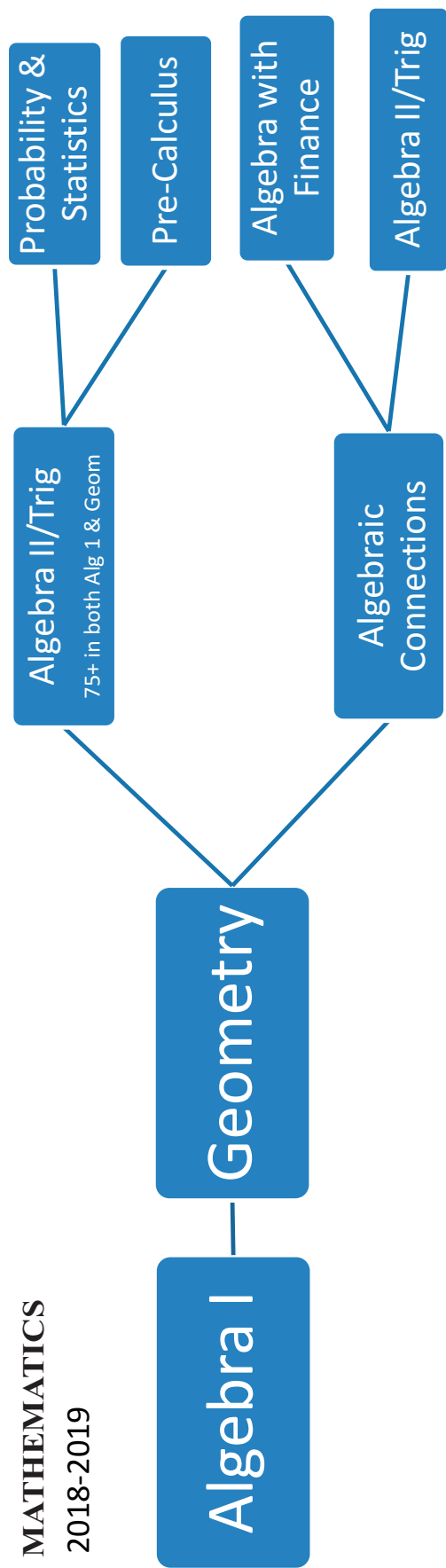
Appendix H

2013-2020

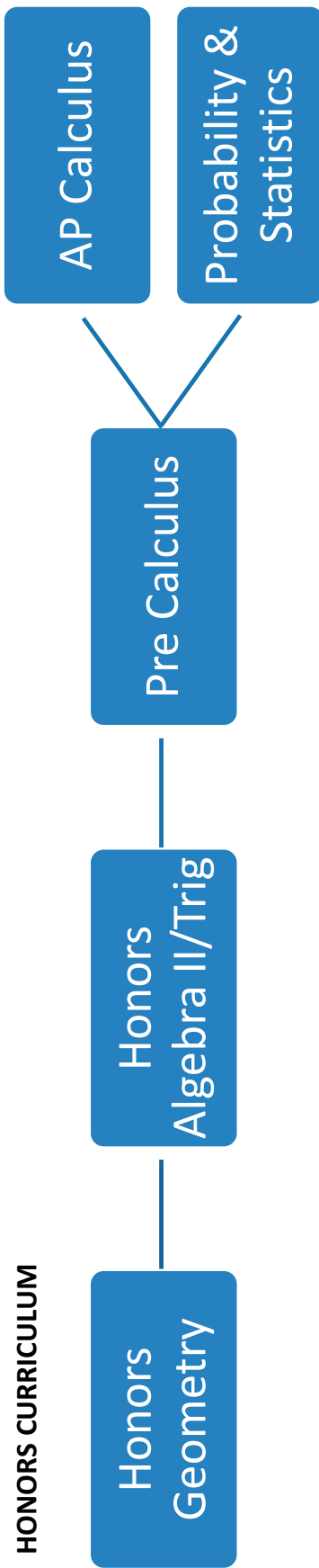
ENGLISH



MATHEMATICS 2018-2019



HONORS CURRICULUM

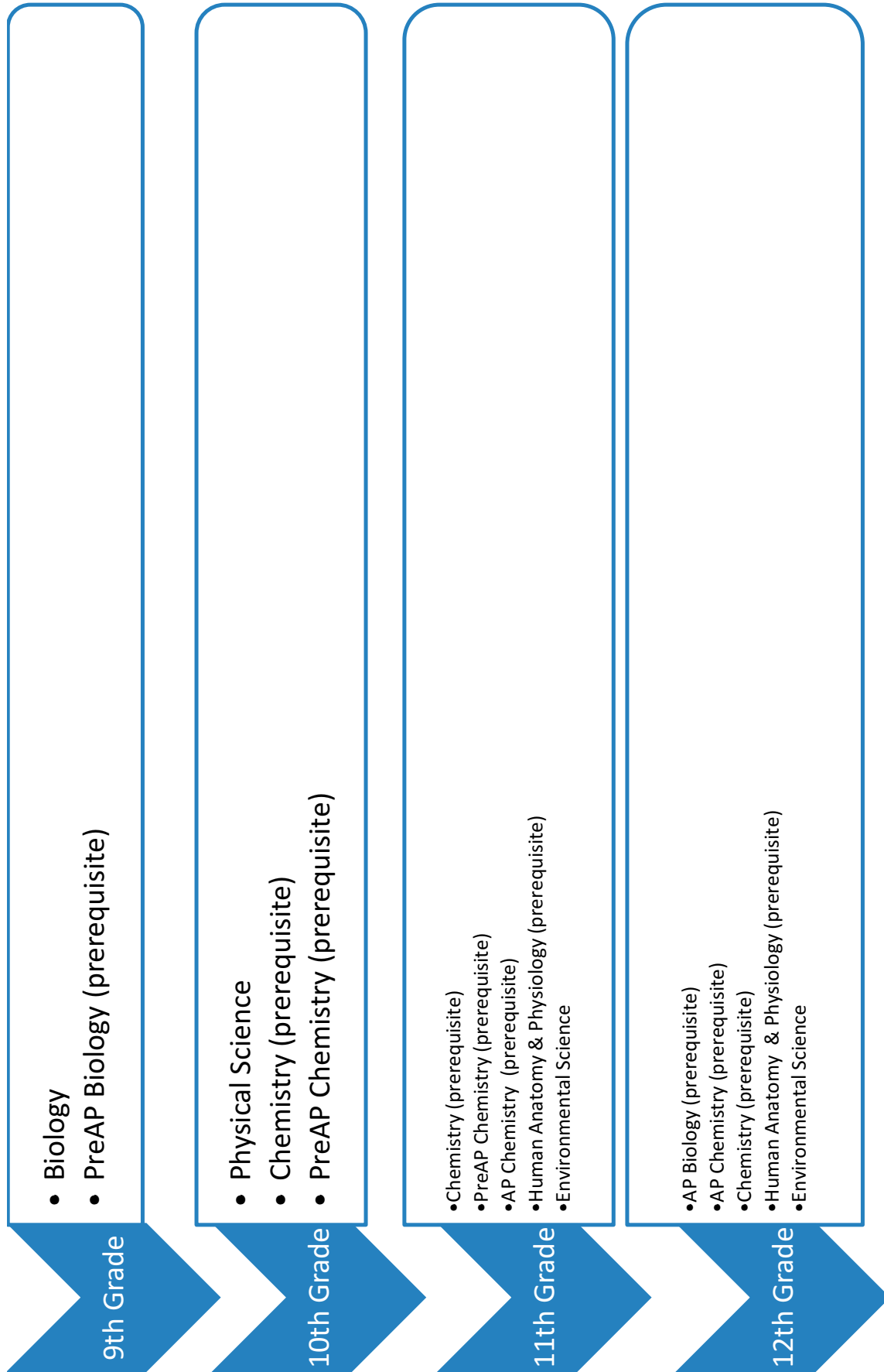


Students must take ONE math course each year of high school and earn at least 4 credits of math to meet the Alabama High School Graduation Requirements. If a student needs to take two math courses in one year to reach AP Calculus by their senior year, it is recommended to take Geometry and Algebra II with Trig in the same year.

Dual Enrollment: Students may choose to Dual Enroll in math courses at Central Alabama Community College. Juniors, who have taken math at CACC are encouraged to continue with their Senior math at CACC.

2018-2019

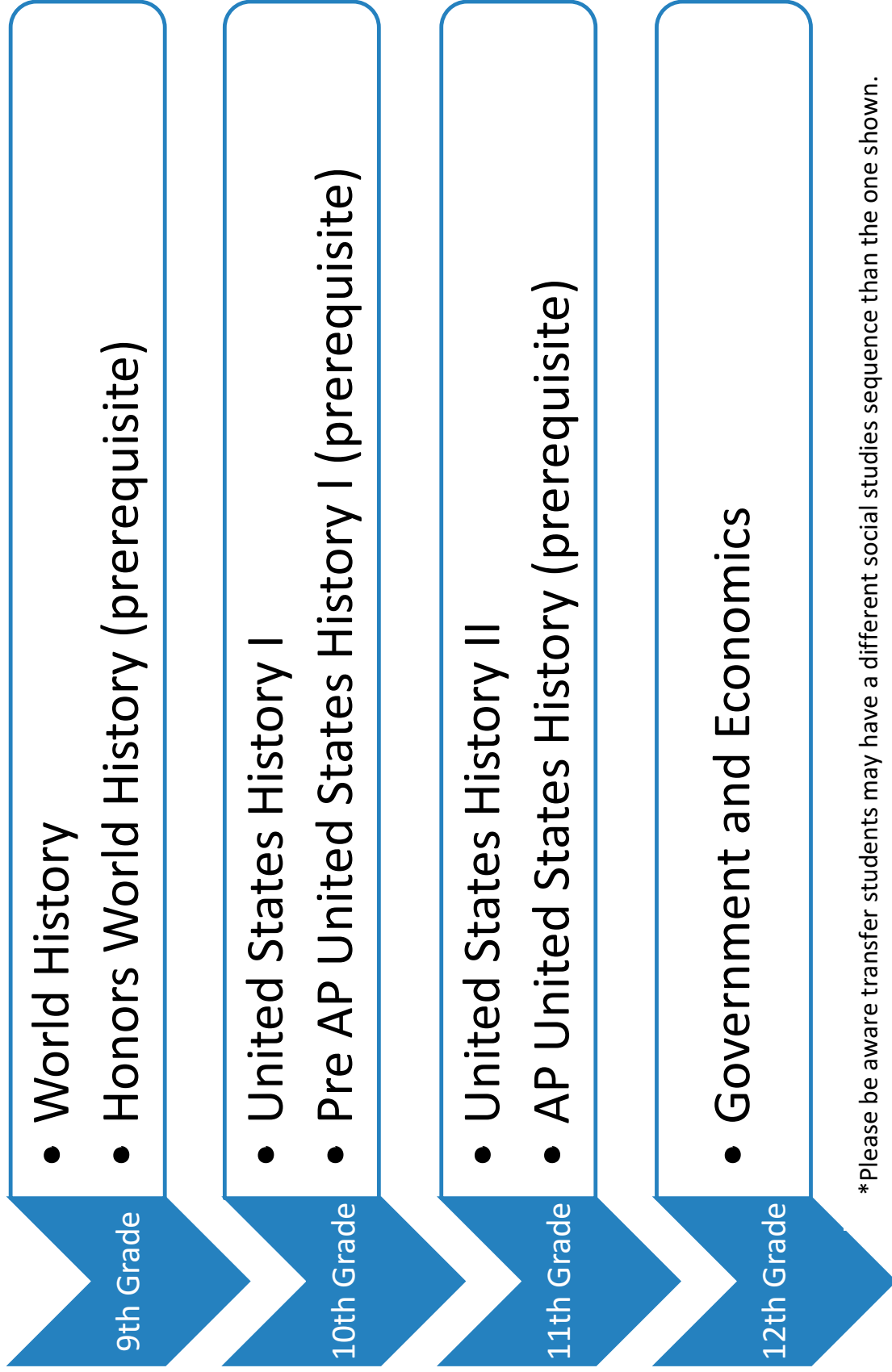
SCIENCE



* Please be aware transfer students may have a different science sequence or different science courses than the ones shown. Students are required to have a physical science (physical science, physics or chemistry), biology and 2 other science courses.

SOCIAL STUDIES

2018-2019



*Please be aware transfer students may have a different social studies sequence than the one shown. These students are required to take the 4 courses shown but may do so in another grade sequence and should be scheduled accordingly.