

Macon County Schools

Secondary Course Offerings

ETECC

Every Teacher Every Child Connected



MACON COUNTY SCHOOLS

Dr. Jacqueline A. Brooks, Superintendent

MACON COUNTY BOARD OF EDUCATION

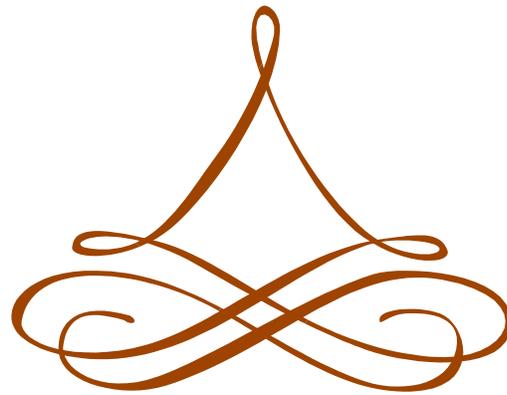
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501 South School Street

Tuskegee, Alabama 36083

334-727-1600

www.maconk12.org

Dr. Jacqueline A. Brooks, Superintendent

DISTRICT LEADERSHIP TEAM

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Mr. Albert J. Nelson, Coordinator

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Dr. Melvin A. Lowe, III, Director

Dr. Venesia A. McClaney, Director

Mrs. Sheila Samuel, Psychometrist

Mr. Robert Spratlin, Maintenance Supervisor

Dr. Melissa T. Williams, Director/Superintendent's Designee

Mrs. Emma Wilson-James, Director

Mrs. Natalie F. Young, Chief School Financial Officer

SCHOOL/CENTER INFORMATION AND LEADERS

BOOKER T. WASHINGTON HIGH SCHOOL 3803 West Martin Luther King Highway Tuskegee, Alabama 36083 <i>Mrs. Brelinda C. Sullen, Principal</i> <i>Mr. Norman Williams, Assistant Principal</i> <i>Mr. Thomas Torbert, Dean of Students</i>	727-0073
DEBORAH CANNON WOLFE ELEMENTARY SCHOOL 4450 Cross Keys Road Shorter, Alabama 36075 <i>Mrs. Carolyn Bradley, Acting Principal</i>	727-1641
GEORGE WASHINGTON CARVER ELEMENTARY SCHOOL 300 Union Springs Road Tuskegee, Alabama 36083 <i>Mr. Corey Porter, Principal</i> <i>Ms. Karen Stewart-Moore, Assistant Principal</i>	727-2700
NOTASULGA HIGH SCHOOL 500 East Main Street Notasulga, Alabama 36866 <i>Mr. Lasisi Hooks, Principal</i> <i>Mr. Freddie Williams Assistant Principal</i>	724-1240
TUSKEGEE INSTITUTE MIDDLE SCHOOL 1809 Franklin Road Tuskegee Institute, Alabama 36088 <i>Mrs. Rosemary Wright, Principal</i> <i>Dr. Robbi Flowers, Assistant Principal</i> <i>Mr. William Graham, Dean of Students/Physical Education</i>	727-2580
TUSKEGEE PUBLIC SCHOOL 101 East Price Street Tuskegee, Alabama 36083 <i>Mrs. Tiffany Williams, Principal</i> <i>TBA, Assistant Principal</i>	727-3222
MACON COUNTY STUDENT SUCCESS CENTER 1809 Franklin Road Tuskegee Institute, Alabama 36088 <i>Mr. Albert Nelson, Coordinator</i> <i>Mrs. Juan Macon, Teacher</i> <i>Mrs. Senora Moore, Virtual Education Facilitator</i>	724-1235
MACON COUNTY CAREER & TECHNICAL EDUCATION CENTER 1902 Taylor Street Tuskegee Institute, Alabama 36088 <i>Dr. Melvin A. Lowe, III, Director</i>	724-1236
MACON COUNTY TRANSPORTATION CENTER AND BUS SHOP 3800 West Martin Luther King Highway Tuskegee, Alabama 36083 <i>Mrs. Tracie Jackson, Interim Director</i> <i>Mr. Joseph Hammonds, Lead Mechanic</i>	724-1221

MACON COUNTY SCHOOLS

Mission Statement

Engaging in personalized learning, all students will successfully matriculate through the Macon County School System and will graduate from high school prepared to follow a choice for success (military, college, technical school, entrepreneurship, job readiness) to further their interests, achieve their life goals, academic pursuits, and/or careers, in order to reach and impact the world with their Power of One.



Vision

Every Teacher, Every Child ConnectED

Motto

Plugged In for Learning!

Employee Mantra

The Power of One!

District Goals

Goal 1: High Expectations and Engagement

Goal 2: Student Achievement and Growth

Goal 3: Safe, Nurturing, and Engaging Environment

Goal 4: Caring and Competent Workforce

Goal 5: Financial Savvy, Sovereignty, and Partnerships

HIGH SCHOOL COURSE DESCRIPTIONS

Overview (Grades 9-12)

(From the 2010 Alabama Course of Study for English Language Arts)

High School students continue to develop physically, emotionally, and intellectually; and most make efforts to express their individuality and independence. Never-the-less, they need guidance in these endeavors and continued emotional and intellectual support to prepare for college and careers. While language skills are advanced beyond the middle grades, students require continued assistance in analyzing and interpreting advanced informational and literary text and continued development in the use of conventions of Standard English.

In designing instruction to help all students achieve success, careful consideration should be given to addressing the individual learning needs of students. This can be accomplished by including a variety of instructional strategies such as projects, demonstrations, and collaborative learning groups; by conducting formal and informal assessments to provide continual feedback regarding student progress; and by utilizing all available technology for both teacher and student use. These strategies are especially important during the high school years for preparing students to experience the independence and demands of higher education and careers.

To become college and career ready, students must grapple with works of exceptional craft and thought whose range extends across genres, cultures, and centuries. In addition to the analysis of literature at advanced reading levels, students analyze and interpret historical documents aligned to content in history or social studies classes – documents such as Magna Carta, the Declaration of Independence, Washington’s Farewell Address, and the Gettysburg Address. Shakespearean plays are studied in at least three of the last four years of high school, sometimes involving a comparison with language and literature from other countries and eras. The refinement and extension of reading skills include analyzing how characters in fiction develop over the course of time and advance the plot or theme and how authors of informational texts develop claims and use rhetoric to advance a point of view. Other reading skills include the examination of authors’ craft such as the effect of specific work choices and the use of satire and irony. Standards for informational text require that students evaluate multiple sources of information presented in different media or formats.

Writing and editing skills that will be needed in college and careers are refined as students develop claims and counterclaims, use precise language, and create a coherent whole with an appropriate tone. A command of formal English is demonstrated in both students’ writing and speaking. They must come to appreciate that language is as much a matter of crafts as of rules and be able to choose words, syntax, and punctuation to express themselves and achieve particular functions and rhetorical effects. Students must integrate multiple sources of information in order to make informed decisions and solve problems. This requires that they evaluate the credibility and accuracy of each source and note discrepancies among data. They must have the flexibility, concentration, and fluency to produce high-quality, first-draft text under a tight deadline as well as the capacity to revisit and make improvements to a piece of writing over multiple drafts when circumstances encourage or require it.

English Language Arts

200005 English, Grade 9

This course includes reading literature, reading informational text, writing, speaking and listening, and language. (See pages 70-76 of the 2010 *Alabama Course of Study: English Language Arts* for additional information regarding specific reading standards for literature, reading standards for informational text, writing standards, speaking and listening standards, and language standards.) Summer reading may be required.

200006 English (Pre-AP/Honors), Grade 9

This course includes advanced work in reading literature, reading informational text, writing, speaking and listening, and language. (See pages 70-76 of the 2010 *Alabama Course of Study: English Language Arts* for additional information regarding specific reading standards for literature, reading standards for informational text, writing standards, speaking and listening standards, and language standards.) Summer reading may be required.

200009 English, Grade 10

This course includes reading literature, reading informational text, writing, speaking and listening, and language. (See pages 77-83 of the 2010 *Alabama Course of Study: English Language Arts* for additional information regarding specific reading standards for literature, reading standards for informational text, writing standards, speaking and listening standards, and language standards.) Summer reading may be required.

Prerequisite: English 9 or Pre-AP English 9

200010 English (Pre-AP/Honors), Grade 10

This course includes advanced work in reading literature, reading informational text, writing, speaking and listening, and language. (See pages 77-83 of the 2010 *Alabama Course of Study: English Language Arts* for additional information regarding specific reading standards for literature, reading standards for informational text, writing standards, speaking and listening standards, and language standards.) Summer reading may be required. **Prerequisite:** English 9 or Pre-AP English 9

200013 English, Grade 11

This course includes reading literature, reading informational text, writing, speaking and listening, and language. (See pages 84-90 of the 2010 *Alabama Course of Study: English Language Arts* for additional information regarding specific reading standards for literature, reading standards for informational text, writing standards, speaking and listening standards, and language standards.) Summer reading may be required. **Prerequisite:** English 10 or Pre-AP English 10

200016 Advanced Placement (AP) English Language and Composition, Grade 11

This college level course includes: reading, writing, listening, and speaking skills; literary genres; and research. Advanced Placement (AP) English offers academically gifted students the opportunity to earn college credit while in high school. In order to receive a weighted grade for this course the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. – Students who have failed the reading and/or language portions of the AHSGE are not eligible for enrollment in this course. **Prerequisite:** English 10 or Pre-AP English 10

200017 English, Grade 12

This course includes reading literature, reading informational text, writing, speaking and listening, and language. (See pages 91-97 of the 2010 *Alabama Course of Study: English Language Arts* for additional information regarding specific reading standards for literature, reading standards for informational text, writing

standards, speaking and listening standards, and language standards.) Summer reading may be required.

Prerequisite: English11 or AP English 11

200020 Advanced Placement (AP) English Literature and Composition, Grade 12

This college level course includes: reading, writing, listening, and speaking skills; literary genres; and research. The course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes, as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Advanced Placement (AP) English offers academically gifted students the opportunity to earn college credit while in high school. In order to receive a weighted grade for this course the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. Summer reading may be required. – Students who have failed the reading and/or language portions of the AHSGE are not eligible for enrollment in this course. **Prerequisite:** English11 or AP English 11

Course Sequence for Special Education Students Earning Core Credit through Essentials/Life Skills courses

700005 English Essentials 9

This ninth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.

700006 English Essentials 10

This tenth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.

700007 English Essentials 11

This eleventh grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.

700008 English Essentials 12

This twelfth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.

Course Sequence for Special Education Students Earning Core Credit through Alternate Achievement Standards (AAS)

600439 AAS: English Language Arts-9

This code applies to students with severe cognitive disabilities who are enrolled in English language arts using alternate achievement standards (Extended Standards-9th) which are aligned to the Alabama Course of Study.

600440 AAS: English Language Arts-10

This code applies to students with severe cognitive disabilities who are enrolled in English language arts using alternate achievement standards (Extended Standards-10th) which are aligned to the Alabama Course of Study.

600441 AAS: English Language Arts-11

This code applies to students with severe cognitive disabilities who are enrolled in English language arts using alternate achievement standards (Extended Standards 11th) which are aligned to the Alabama Course of Study.

600442 AAS: English Language Arts-12

This code applies to students with severe cognitive disabilities who are enrolled in English language arts using alternate achievement standards (Extended Standards-12th) which are aligned to the Alabama Course of Study.

Course sequence for Special Education Students Earning Core Credit through Alternate Achievement Standards (AAS) for Reading as a Subject (REQUIRED COURSE)

600419 AAS: Reading-9

This code applies to students with severe cognitive disabilities who are enrolled in reading using alternate achievement standards (Extended Standards 9th) which are aligned to the Alabama Course of Study.

600420 AAS: Reading-10

This code applies to students with severe cognitive disabilities who are enrolled in reading using alternate achievement standards (Extended Standards 10th) which are aligned to the Alabama Course of Study.

600421 AAS: Reading-11

This code applies to students with severe cognitive disabilities who are enrolled in reading using alternate achievement standards (Extended Standards 11th) which are aligned to the Alabama Course of Study.

600422 AAS: Reading-12

This code applies to students with severe cognitive disabilities who are enrolled in reading using alternate achievement standards (Extended Standards 12th) which are aligned to the Alabama Course of Study.

English as a Second Language

300001 English for Speakers of Other Languages (ESL)

English as a Second Language (ESL) is for students who have Limited English Proficiency (LEP) and generally speak another language in their homes. The objective of ESL is to help students attain proficiency in English in order to function to the best of their abilities. The focus of this course is development of English-speaking communicative skills, including vocabulary and grammar acquisition, through listening, speaking, reading, and writing as well as culture study. This course does not count as an English credit; it counts as an elective credit.

**Sheltered English for EL Students: 200005aa –
Grade 9**

200009aa – Grade 10

200013aa – Grade 11

200017aa – Grade 12

These courses which follow the ELA (English/Language Arts) COS (Course of Study) are offered at the Career Technical Center for some EL (English Learners) students to earn their required English credits. The courses engage EL students above the beginner level in developing grade-level content- area knowledge, academic skills, and increased English proficiency. In these core English courses, teachers use clear and direct English and a wide range of scaffolding strategies to communicate meaningful input from the Alabama COS for ELA. Classes cover the same material as regular English courses, but learning activities and lesson delivery are adapted to suit students' English proficiency levels.



Foreign Languages

270023 French I

This course includes: listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of French-speaking cultures. Cultures and global civilizations associated with the French language are explored.

270024 French II

French II further develops French I skills. Areas of focus include: listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension of main ideas from simple texts; writing with comprehension of short presentations on familiar topics; and further understanding of French-speaking cultures. **Prerequisite:** French I

270025 French III (Pre-AP)

French III further develops French I and II skills. Areas of focus include: listening and speaking skills including understanding and responding to factual and interpretative questions involving paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating oral and written presentations on a variety of topics; increased understanding of French-speaking cultures. Students in the advanced foreign language classes are expected to attain an acceptable degree of proficiency in conversation, speech, advanced grammar and composition, literary selections in the French language, and cultural studies. **Prerequisite:** French II

270026 French IV (Pre-AP)

French IV further develops French I, II, and III skills. Areas of focus include: listening and speaking skills including understanding and responding to factual and interpretative questions involving proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating written compositions through the use of poetry or prose; extensive understanding of French-speaking cultures. French IV students are expected to reach a higher degree of proficiency in conversation, speech, advanced grammar and composition, and cultural studies. **Prerequisite:** Pre-AP French III

270153 Spanish I

This course includes: listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures. Cultures and global civilizations associated with the Spanish language are explored.

270154 Spanish II

Spanish II further develops Spanish I skills. Areas of focus include: listening and speaking skills including understanding and responding to a variety of directions, commands, and questions related to personal preferences; reading with comprehension of main ideas from simple texts; writing with comprehension of short presentations on familiar topics; and further understanding of Spanish-speaking cultures. **Prerequisite:** Spanish I

270155 Spanish III (Pre-AP)

Spanish III further develops Spanish I and II skills. Areas of focus include: listening and speaking skills including understanding and responding to factual and interpretative questions involving paraphrasing, explaining, and giving cause; interpreting main ideas and supporting details from authentic texts; creating oral and written presentations on a variety of topics; increased understanding of Spanish-speaking cultures. Students in the advanced foreign language classes are expected to attain an acceptable degree of proficiency in conversation, speech, advanced grammar and composition, literary selections in the Spanish language, and cultural studies. **Prerequisite:** Spanish II

270156 Spanish IV (Pre-AP)

Spanish IV further develops Spanish I, II, and III skills. Areas of focus include: listening and speaking skills including understanding and responding to factual and interpretative questions involving proposing and supporting solutions to issues and problems; interpreting authentic prose and poetry selections; creating written compositions through the use of poetry or prose; extensive understanding of Spanish-speaking cultures. Spanish IV students are expected to reach a higher degree of proficiency in conversation, speech, advanced grammar and composition, and cultural studies. **Prerequisite:** Pre-AP Spanish III

270157 Advanced Placement (AP) Spanish Language

AP Spanish follows the curriculum established by the College Board Advanced Placement Program for Spanish. Areas of focus include the following: all time frames and all modes of communication; identifying and summarizing main points and significant details; making inferences and predictions; interpreting input across regional dialects and registers; processing linguistic cues; describing, narrating, presenting information, and/or persuading; and understanding oral and written media intended for a target-language audience. In order to receive a weighted grade for this course, the student must complete the course and take the AP exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Pre-AP Spanish III – (Pre-AP Spanish IV may be a prerequisite at some schools.) **Fee Required:** Cost of the AP Exam



Mathematics

210005 Algebra I

The Algebra I course builds on foundational mathematics content learned by students in Grades K-8 by expanding mathematics understanding to provide students with a strong mathematics education. Content is designed to engage students in a variety of mathematical experiences that include the use of reasoning and problem-solving skills, which may be applied to life situations beyond the classroom setting. This course serves as the cornerstone for all high school mathematics courses; therefore, all subsequent mathematics courses require student mastery of the Algebra I content standards. (Some students may take Algebra I in the 8th grade.)

210006 Algebra I (Pre-AP/Honors)

This advanced course includes the same content as the Algebra I course, but also includes additional and more in-depth study of algebraic concepts. Critical thinking skills are emphasized.

210008 Algebra IA (Approximately ½ the content of Algebra I)

210009 Algebra IB (Approximately ½ the content of Algebra I)

Each of these courses counts as a credit and together will satisfy the Algebra I requirement for graduation. This two-course sequence is designed for the student who has difficulty mastering algebra concepts and would benefit from more practice and hands-on experiences.

210010 Geometry

The Geometry course builds on Algebra I concepts and increases students' knowledge of shapes and their properties through geometry-based applications, many of which are observable in aspects of everyday life. This knowledge helps develop visual and spatial sense and strong reasoning skills. The Geometry course requires students to make conjectures and to use reasoning to validate or negate these conjectures. The use of proofs and constructions is a valuable tool that enhances reasoning skills and enables students to better understand more complex mathematical concepts. Technology should be used to enhance students' mathematical experience, not replace their reasoning abilities. **Prerequisite:** Algebra I (or Algebra IA and IB) or Pre-AP Algebra I

210011 Geometry (Pre-AP/Honors)

This advanced course includes the same content as the Geometry course, but also includes additional and more in-depth study of geometric concepts. Critical thinking skills are emphasized. **Prerequisite:** Algebra I (or Algebra IA and IB) or Pre-AP Algebra I

210013 Geometry A (Approximately ½ the content of Geometry) **Prerequisite:** Algebra I (or Algebra IA and IB)

210014 Geometry B (Approximately ½ the content of Geometry)

Each of these courses counts as a credit and together will satisfy the Geometry requirement for graduation. This two-course sequence is designed for the student who has difficulty mastering Geometry concepts and would benefit from more practice and hands-on experiences. **Prerequisite:** Geometry A

210015 Algebraic Connections

Algebraic Connections is a course designed for students who wish to increase their mathematical knowledge and skills prior to enrollment in the Algebra II course or the Algebra II with Trigonometry course. Algebraic

Connections expands upon the concepts of Algebra I and Geometry, with an emphasis on application-based problems. This course provides opportunities to incorporate the use of technology through its emphasis on applying functions to make predictions and to calculate outcomes. **Prerequisite:** Geometry (or Geometry A and B) or Pre-AP Geometry

210016 Algebra II

Algebra II is a terminating course designed to extend students' algebraic knowledge and skills beyond Algebra I. Students are encouraged to solve problems using a variety of methods that promote the development of improved communication skills and foster a deeper understanding of mathematics. To help students appreciate the power of algebra, application-based problems are incorporated throughout the course. The use of appropriate technology is also encouraged for numerical and graphical investigations. In contrast to the Algebra II with Trigonometry course, Algebra II does not meet the graduation requirements for the Alabama High School Diploma with Advanced Academic Endorsement due to the fact that it does not contain trigonometry content. Algebra II with Trigonometry (or Pre-AP Algebra II with Trigonometry) or Algebra II is required to complete the graduation requirements for the Alabama High School Diploma. This course does not provide sufficient background to prepare students to pursue higher-level mathematics courses. **Prerequisite:** Geometry (or Geometry A and B)

210017 Algebra II with Trigonometry

Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. Mastery of the content standards for this course is necessary for student success in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension. Algebra II with Trigonometry (or Pre-AP Algebra II with Trigonometry) or Algebra II is required to complete the graduation requirements for the Alabama High School Diploma; Algebra II with Trigonometry is required for all students pursuing the Alabama High School Diploma with Advanced Academic Endorsement. If a student chooses to take the Algebraic Connections course, it must be taken prior to the Algebra II with Trigonometry course. **Prerequisite:** Geometry (or Geometry A and B) or Pre-AP Geometry

210017aa Algebra II with Trigonometry (Pre-AP)

This advanced course includes the same content as the Algebra II with Trigonometry course, but also includes additional and more in-depth study of algebraic/trigonometric concepts. Critical thinking skills are emphasized. **Prerequisite:** Geometry (or Geometry A and B) or Pre-AP Geometry

210019 Mathematical Investigations

Mathematical Investigations is a course designed for students who have successfully completed the Algebra II with Trigonometry course and who choose not to continue mathematics study in the Precalculus course. This course may be offered as an elective for students who have completed the four mathematics requirements for graduation. Mathematical Investigations is intended to extend students' knowledge of mathematical development. Beginning with ancient numeration systems, students explore relationships between mathematics and nature, music, art, and architecture as well as the contributions of well-known mathematicians. It extends the scope of prerequisite courses, integrating topics with an emphasis on applications-based problem solving. The wide range of topics and applied problems may lend itself to organizing the content into thematic units. **Prerequisite:** Algebra II with Trigonometry (or Pre-AP Algebra II with Trigonometry)

210018 Discrete Mathematics

Discrete Mathematics is a course designed for students who have successfully completed the Algebra II with Trigonometry course and who choose not to continue mathematics study in the Precalculus course. This course

may be offered as an elective for students who have completed the four mathematics requirements for graduation. Discrete Mathematics expands upon the topics of matrices, combinational reasoning, counting techniques, algorithms, sequences, series, and their application. Students are expected to work in both individual and group settings to apply problem-solving strategies and to incorporate technological tools that extend beyond traditional instructional practices. **Prerequisite:** Algebra II with Trigonometry (or Pre-AP Algebra II with Trigonometry)

210027 Advanced Placement (AP) Statistics

AP Statistics follows the curriculum established by the College Board Advanced Placement Program for I. Statistics. In order to receive a weighted grade for this course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Algebra II with Trigonometry is a prerequisite at some schools. Students who have failed the mathematics portion of the AHSGE are not eligible for enrollment in this course.

II.

210020 Precalculus (Pre-AP)

Precalculus is a course designed for students who have successfully completed the Algebra II with Trigonometry course. This course is considered to be a prerequisite for success in Calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. Application-based problem solving is an integral part of the course. Instruction should include appropriate use of technology to facilitate continued development of students' higher-order thinking skills. **Prerequisite:** Algebra II with Trigonometry (or Pre-AP Algebra II with Trigonometry)

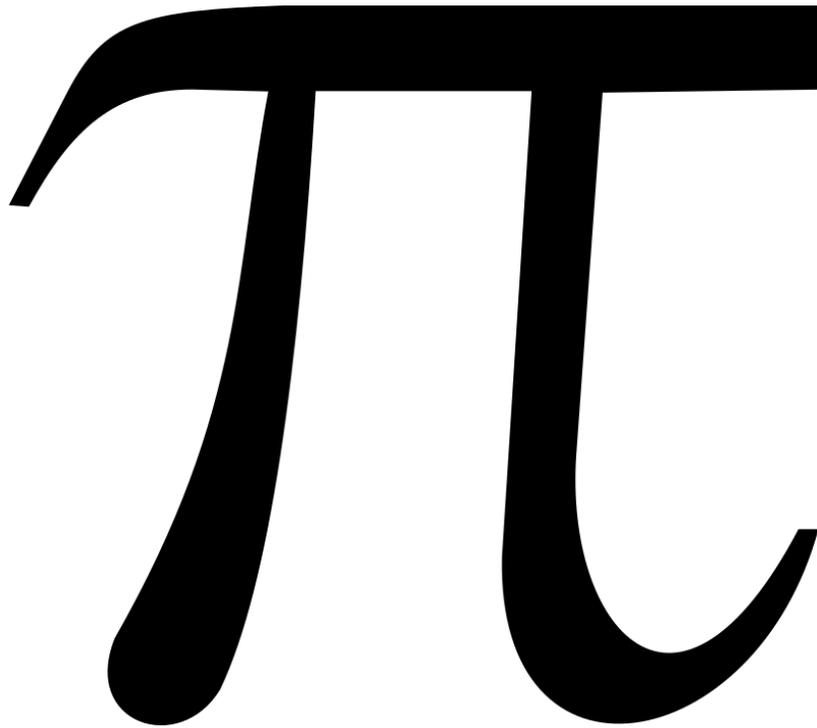
210025 Advanced Placement (AP) Calculus AB

AP Calculus follows the curriculum established by the College Board Advanced Placement Program for Calculus. The course includes the following topics: functions, graphs, and limits (analysis of graphs, limits of functions, asymptotic and unbounded behavior, and continuity as a property of functions); derivatives (concept of the derivative, derivative at a point, derivative as a function, second derivatives, applications of derivatives, and computation of derivatives); and integrals (interpretations and properties of definite integrals, applications of integrals, fundamental theorem of calculus, techniques of antidifferentiation, applications of antidifferentiation, and numerical approximations to definite integrals). In order to receive a weighted grade for this course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Pre-AP Precalculus is a prerequisite at some schools. Students who have failed the mathematics portion of the AHSGE are not eligible for enrollment in this course.

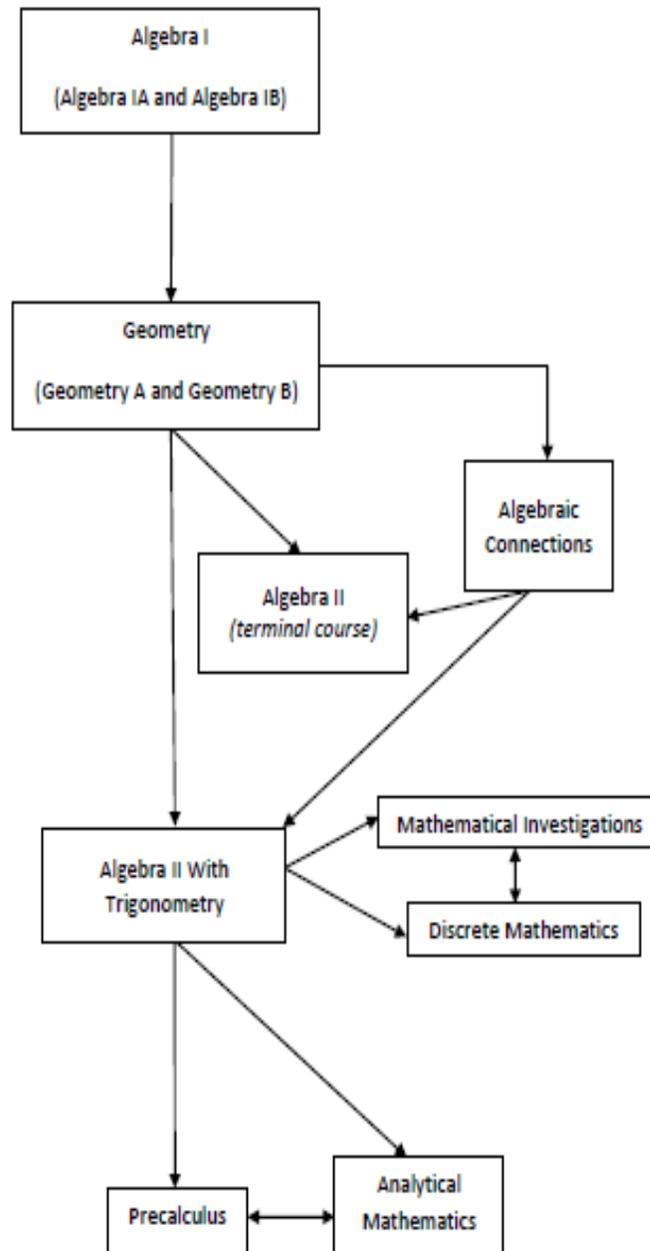
210026 Advanced Placement (AP) Calculus BC

AP Calculus follows the curriculum established by the College Board Advanced Placement Program for Calculus. The course includes the following topics: functions, graphs, and limits (analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions, and parametric, polar, and vector functions); derivatives (concept of the derivative, derivative at a point, derivative as a function, second derivatives, applications of derivatives, and computation of derivatives); integrals (interpretations and properties of definite integrals, applications of integrals, fundamental theorem of calculus, techniques of antidifferentiation, applications of antidifferentiation, numerical approximations to definite integrals); and polynomial approximations and series (concept of series, series of constants, and Taylor series). In order to receive a weighted grade for this course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing

score determined by the college. **Prerequisite:** Pre-AP Precalculus is a prerequisite at some schools. Students who have failed the mathematics portion of the AHSGE are not eligible for this course. (Content from AP Calculus AB is included in AP Calculus BC; however, students may take and receive credit for both courses.)

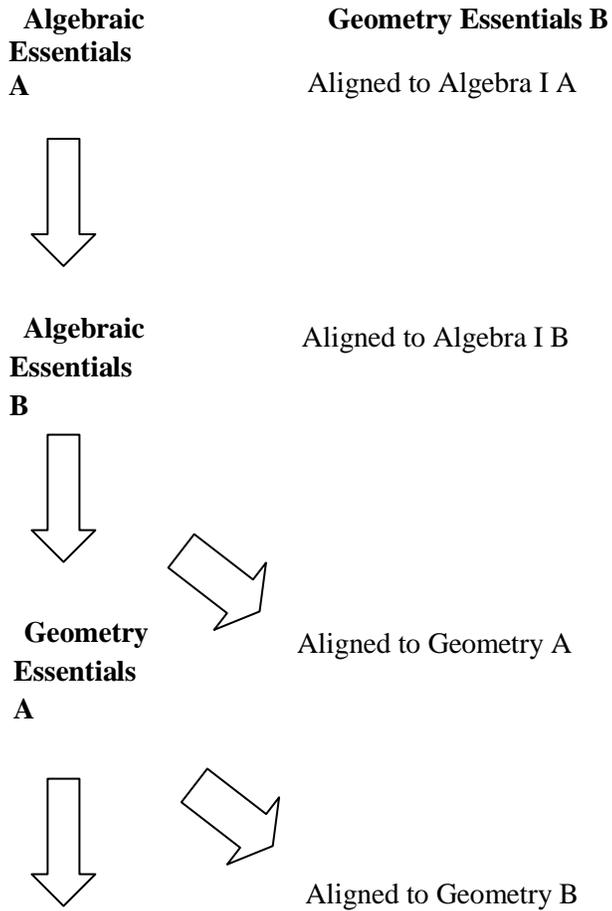


Possible Mathematics Course Progressions in Grades 9-12

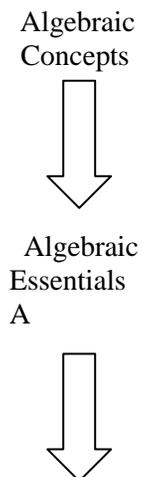


**Mathematics Course Sequence for Special Education Students
Earning Core Credit through Essentials/Life Skills
courses)**

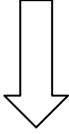
Preferred Course Sequence



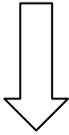
Course Sequence for Students Needing Extra Instruction Prior to Algebraic Essentials



Algebraic
Essentials
B



Geometry
Essentials
A



Aligned to
Algebra I A

Aligned to
Algebra I B



Aligned to
Geometry A

(Students following this
sequence will complete
through Geometry
Essentials A for their 4
Math credits)

Course Sequence for Special Education Students Earning Core Credit through Essentials/Life Skills Courses

700015 Algebraic Concepts

This course provides students with prerequisite algebra skills identified in the general education math courses. The course includes essential concepts to prepare students for Algebraic Essentials A & B

700016 Algebraic Essentials A

This course provides students with foundational skills identified in the first half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living.

700017 Algebraic Essentials B

This course provides students with foundational skills identified in the second half of the general education Algebra I course. The course includes essential concepts to equip students with the algebra skills necessary for employment and independent living.

700018 Geometry Essentials A

This course provides students with foundational skills identified in the first half of the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living.

700019 Geometry Essentials B

This course provides students with foundational skills identified in the second half of the general education Geometry course. The course includes essential concepts to equip students with the geometry skills necessary for employment and independent living skills.

Course Sequence for Special Education Students Earning Core Credit through Alternate Achievement Standards (AAS)

600459 AAS:Mathematics 9

This code applies to students with severe cognitive disabilities who are enrolled in math using alternate achievement standards (Extended Standards 9th) which are aligned to the Alabama Course of Study.

600460 AAS:Mathematics 10

This code applies to students with severe cognitive disabilities who are enrolled in math using alternate achievement standards (Extended Standards 10th) which are aligned to the Alabama Course of Study.

600461 AAS:Mathematics 11

This code applies to students with severe cognitive disabilities who are enrolled in math using alternate achievement standards (Extended Standards 11th) which are aligned to the Alabama Course of Study.

600462 AAS:Mathematics 12

This code applies to students with severe cognitive disabilities who are enrolled in math using alternate achievement standards (Extended Standards 9th) which are aligned to the Alabama Course of Study.

Science

PHYSICAL SCIENCES: *(Students should choose one of the following physical science courses to meet the state requirement.)*

220051 Physical Science

This survey course teaches concepts in chemistry and physics that adequately prepares the student for continued study in science, and it fulfills the “physical science” graduation requirement. Course content includes scientific process and application skills; the periodic table; solutions; bonding; chemical formulas; physical and chemical change; gravitational, electromagnetic, and nuclear forces; motion; energy; energy transformation; electricity and magnetism; nuclear science; and metric units.

220061 Chemistry

This course covers chemistry core content standards: scientific process and application skills; matter classifications; carbon chains; the periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; and chemical and nuclear reactions. This course fulfills the physical science graduation requirement. **Prerequisites:** Biology and Algebra I (or Algebra IA and IB)

220062 Chemistry (Pre-AP/Honors)

This college prep course covers chemistry core content standards with increased mathematical and conceptual rigor: scientific process and application skills; matter classifications; carbon chains; the periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; and chemical and nuclear reactions. This course fulfills the physical science graduation requirement and is the recommended course prior to AP Chemistry. **Prerequisites:** Biology and Algebra I (or Algebra IA and IB)

220064 Advanced Placement (AP) Chemistry

This advanced/college level course covers atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; and thermodynamics. In order to receive a weighted grade for this course, the student must complete the course and take the AP exam. College credit is based on a specified passing AP exam score which is set by each individual college or university. **Prerequisite:** Chemistry or Pre-AP Chemistry – Students who have failed the Biology portion of the AHSGE are not eligible for enrollment in this course.

220072 Physics (Pre-AP/Honors)

This college prep course covers physics core content standards with increased mathematical and conceptual rigor. Course content includes: scientific process and application skills; linear, circular, and projectile motion; momentum; planetary motion; quantitative relationships; thermodynamics; wave behavior; light; electrical, magnetic, and gravitational forces; and electricity. **Prerequisite:** Algebra II with Trigonometry

220074 Advanced Placement (AP) Physics B

This advanced college-level course is non-calculus based and includes scientific process and application skills; mechanics; fluid mechanics and thermal physics; electricity and magnetism; waves and optics; and atomic and nuclear physics. In order to receive a weighted grade for the course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Pre-AP Precalculus (and Pre-AP Physics is strongly recommended) – Students who have failed the Biology portion of the AHSGE are not eligible for enrollment in this course.

220075aa Advanced Placement (AP) Physics C: Mechanics

This advanced college-level course is calculus based and includes scientific process and application skills; mechanics; mechanics; and electricity and magnetism. In order to receive a weighted grade for the course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Pre-AP

Precalculus and Pre-AP Physics is strongly recommended. – Students who have failed the Biology portion of the AHSGE are not eligible for enrollment in this course.

220075 Advanced Placement (AP) Physics C: Electricity and Magnetism

This advanced college-level course is calculus based and includes scientific process and application skills; mechanics; and electricity and magnetism. In order to receive a weighted grade for the course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Pre-AP Precalculus (and Pre-AP Physics is strongly recommended) – Students who have failed the Biology portion of the AHSGE are not eligible for enrollment in this course.

BIOLOGICAL/LIFE SCIENCES: *(Students must take Biology or Pre-AP Biology in order to meet the state requirement.)*

220011 Biology

This course covers the biology core content standards: scientific process and application skills; biochemistry; cell theory; cellular structure and processes including photosynthesis, ~~and~~ cellular respiration, transport, and division; genetics; taxonomy; kingdoms of life including bacteria, protists, fungi, plants, and animals; and ecology. This course fulfills the biology graduation requirement.

220012 Biology (Pre-AP/Honors)

This college prep advanced-level course covers locally-developed standards in addition to the biology core content standards: scientific process and application skills; biochemistry; cell theory; cellular structure and processes including photosynthesis, cellular respiration, transport, and division; genetics; taxonomy; kingdoms of life including bacteria, protists, fungi, plants, and animals; and ecology. This course fulfills the biology graduation requirement.

220081 Earth and Space Science

This course includes: 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. (This course does not fulfill the physical science graduation requirement.) **Prerequisite:** Biology (or Pre-AP Biology) and either Physical Science, Chemistry, or Physics

220017 Genetics

This course focuses on: scientific process and application skills; genetic principles; molecular and cellular foundations; heredity; mutations; genetic techniques; bioethics; and The Human Genome Project. **Prerequisite:** Biology (or Pre-AP Biology) and Chemistry

220023 Zoology

This course focuses on advanced biological concepts in the animal kingdom. Emphasis is placed on classification, identification, and form and function. Students also study endangered species and protecting them. Studies in the field are required so students may observe animals in their natural surroundings.

Prerequisite: Biology (or Pre-AP Biology)

220040 Marine Science

Marine science is intended to provide students with advanced studies in biology within the context of the marine environment. While emphasis is primarily on living systems, oceanography and aspects of the marine water chemistry are addressed. Course content includes: scientific process and application skills; marine water chemistry; anatomy and physiology of saltwater organisms; classification; biodiversity; marine habitats and ecosystems; interdependence of marine organisms; and marine taxonomy. **Prerequisite:** Biology (or Pre-AP Biology)

220034 Forensic Science

This course focuses on: scientific process and application skills; crime scene investigation personnel; collection and preservation of evidence; firearms; trajectories; DNA testing; decomposition process; detection of drugs and poisons; blood spatter patterns; and forged documents. This course does not fulfill the physical science graduation requirement. **Prerequisite:** Biology (or Pre-AP Biology)

220026 Human Anatomy and Physiology

This course is organized to follow a logical sequence of the ten systems of the human body with emphasis on diseases and disorders. Course content includes: scientific process and application skills; anatomical terminology; structure and function of cells, tissues, organs, and body systems; biochemistry; and system regulation and integration. **Prerequisite:** Biology (or Pre-AP Biology)

220027 Anatomy and Physiology (Honors)

This course is an accelerated version of Anatomy and Physiology. Each body system is covered in detail with special emphasis on pathology and physiology. Honors Anatomy and Physiology is designed especially for students interested in health-related careers and is a complete overview of the human body and a foundation for similar courses at the college level. **Prerequisite:** Biology (or Pre-AP Biology)

220014 Advanced Placement (AP) Biology

This college-level course covers biology principles in considerable detail. Emphasis is placed on laboratory experiments and individual research. In order to receive a weighted grade for this course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. **Prerequisite:** Biology (or Pre-AP Biology) and Chemistry (or Pre-AP Chemistry) – Students who have failed the Biology portion of the AHSGE are not eligible for enrollment in this course.

220029 Environmental Science

This course includes: scientific process and application skills; natural and human impacts; carrying capacity; renewable and nonrenewable energy resources; properties and importance of water; land-use practices; and composition and erosion of soil. This course does not fulfill the physical science graduation requirement. **Prerequisite:** Biology (or Pre-AP Biology)

220032 Advanced Placement (AP) Environmental Science

AP Environmental Science follows the curriculum established by the College Board Advanced Placement Program for Environmental Science. The course includes: scientific process and application skills; earth systems and resources; the living world; population; land and water; energy resources and consumption; pollution; and global change. The course does not fulfill the “a physical science” graduation requirement. In order to receive a weighted grade for this course, the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score

determined by the college. Students who have failed the Biology portion of the AHSGE are not eligible for enrollment in this course.

Course Sequence for Special Education Students Earning Core Credit through Essentials/Life Skills courses

700021 LS I: Physical Science

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

700022 LS II: Biology

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

700023 LS III: Earth and Space Science

This course is designed to provide students with 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; space exploration.

700024 LS IV: Environmental Science

This course is designed to provide students with a practical knowledge of Environmental Science including scientific process and application skills; natural and human impacts; carrying capacity; renewable and nonrenewable energy resources; properties and importance of water; land use practices; composition and erosion of soil.

700025 LS IV: Genetics

This course is designed to provide students with the biological basis of genetics. Scientific process and application skills; genetic principles; molecular and cellular foundations: heredity; mutation; genetic techniques; bioethics; Human Genome Project.

700026 LS IV: Human Anatomy and Physiology

This course is designed to provide students with a practical knowledge of Human Anatomy and Physiology including scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; system regulation and integration.

Course Sequence for Special Education Students Earning Core Credit through Alternate Achievement Standards (AAS)

600479 AAS: Science-9

This code applies to students with severe cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards-9th) which are aligned to the Alabama Course of Study.

600480 AAS: Science-10

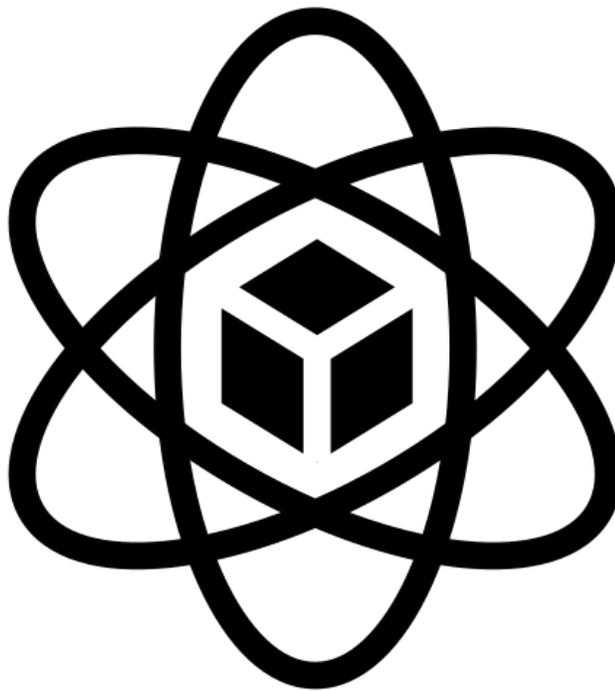
This code applies to students with severe cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards-10th) which are aligned to the Alabama Course of Study.

600481 AAS: Science-11

This code applies to students with severe cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards-11th) which are aligned to the Alabama Course of Study.

600482 AAS: Science-12

This code applies to students with severe cognitive disabilities enrolled in science using alternate achievement standards (Extended Standards-12th) which are aligned to the Alabama Course of Study.



Social Studies

230013 World History: 1500 to Present – Grade 9

This course directs students to think critically about various forces that combined to shape the world today. Emphasis is placed on geographic impact, development of civic knowledge/responsibilities, and emerging economic systems within a chronological context which includes survey of early and classical civilizations and world expansion of agrarian and commercial civilizations. Summer reading may be required.

230014 World History (Pre-AP/Honors): 1500 to Present – Grade 9

This course explores the same topics as “World History: 1500 to Present” and is designed to provide students with the analytical skills and factual knowledge to deal critically with the problems and lessons in world history. Writing proficiency and additional readings are required. Summer reading may be required.

230016 United States History to 1877 – Grade 10

This course includes a chronological survey of major events and issues in American History from the beginnings to 1877: colonization and the American Revolution; development of a political system and a distinct culture; slavery; reform movements; sectionalism; Civil War and Reconstruction; and concepts related to Alabama history and geography. Summer reading may be required.

230017 United States History (Pre-AP/Honors) to 1877 – Grade 10

This course explores the same topics as “United States History to 1877” and is designed to provide students with the analytical skills and factual knowledge to deal critically with the problems and lessons in American history. Writing proficiency and additional readings are required. Summer reading may be required.

230019 United States History from 1877 to the Present – Grade 11

This course continues the study of United States History from the Tenth Grade course. Course content includes a chronological survey of major events and issues in American History from 1877 to the present: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; and concepts related to Alabama history and geography. Summer reading may be required.

230022 Advanced Placement United States History

This college level history course follows the curriculum established by the College Board Advanced Placement (AP) Program for United States history. In order to receive a weighted grade for this course the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. Summer reading may be required. (This course may be part of the Gilder Lehrman program at some schools.) **Fee Required:** Cost of AP Exam – Students who have failed the Social Studies portion of the AHSGE are not eligible for enrollment in this course.

United States Government and Economics courses may be paired. Each course earns the student ½ a credit for a total of 1 credit.

230041 United States Government

The study of American Government provides students with a detailed understanding of the organization and function of government at all levels in the nation. It is imperative that students acquire an appreciation and understanding of what it means to be a citizen. Course content includes origins, functions, and branches of U.S. government; representative government; federalism; political/civic life; analysis of the Constitution, Bill of Rights, and other relevant documents; and foreign policy. Summer reading may be required.

230042 United States Government (Honors)

This course explores the same topics as “United States Government” and is designed to provide students with the analytical skills and factual knowledge to deal critically with the problems and lessons in American government. Writing proficiency and additional readings are required. Summer reading may be required.

230051 Economics

Economics provides students with detailed knowledge in the workings of modern-day economic systems, in particular the American capitalist system. Students acquire information about basic economic concepts and skills in the interpretation of graphic economic data. They also apply information and skills to the analysis of issues and problems in economic systems. Course content includes basic principles of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of the U.S. banking system; and role of the Federal Reserve Bank. Summer reading may be required.

230052 Economics (Honors)

This course explores the same topics as “Economics” and is designed to provide students with the analytical skills and factual knowledge to deal critically with the problems and lessons related to economic issues. Writing proficiency and additional readings are required. Summer reading may be required.

230047 Advanced Placement (AP) United States Government and Politics

This course is an 18-week course that meets the government requirement for graduation; however, students must also have ½ credit of economics to complete the 12th grade social studies requirement. The course is designed to give students a critical perspective on government and politics in the United States. The primary emphasis is placed on the nature and function of products and markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This college level government course follows the curriculum established by the College Board Advanced Placement (AP) Program for U.S. government and politics. In order to receive a weighted grade for this course the student must complete the course and take the AP Exam. To earn college credit for this course, the student must take the AP Exam and achieve a passing score determined by the college. Summer reading may be required. **Fee Required:** Cost of AP Exam – Students who have failed the Social Studies portion of the AHSGE are not eligible for enrollment in this course.

Course Sequence for Special Education Students Earning Core Credit through Essentials/Life Skills Courses

700031 LS I: World History

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 rights, trade, global ecology and the impact each has on everyday life situations.

700032 LS II: U.S. History to 1877

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

700033 LS III: U.S. History from 1877

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

700034 LS IV: Economics

This course is a nine-week 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.

700035 LS IV: Government

This course is a nine week 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.

**Course Sequence for Special Education Students Earning
Core Credit through Alternate Achievement Standards (AAS)**

600499 AAS: Social Studies-9

This code applies to students with severe cognitive disabilities who are enrolled in social studies using alternate achievement standards (Extended Standards-9th) which are aligned to the Alabama Course of Study.

600500 AAS: Social Studies-10

This code applies to students with severe cognitive disabilities who are enrolled in social studies using alternate achievement standards (Extended Standards-10th) which are aligned to the Alabama Course of Study.

600501 AAS: Social Studies-11

This code applies to students with severe cognitive disabilities who are enrolled in social studies using alternate achievement standards (Extended Standards-11th) which are aligned to the Alabama Course of Study.

600502 AAS: Social Studies-12

This code applies to students with severe cognitive disabilities who are enrolled in social studies using alternate achievement standards (Extended Standards-12th) which are aligned to the Alabama Course of Study.

A handwritten signature in black ink, appearing to read "B. Frankler". The signature is written in a cursive style with a large, sweeping flourish at the end.

Other/Elective Courses

Graduation Requirements:

Fine Arts – ½ credit (Required only for students who entered the 9th grade for the first time prior to the 2013-14 school year)
[This credit may be selected from Vocal Level I/II/III/IV, Instrumental Level I/II/III/IV (including band courses), Theatre I/II/III/IV, or Visual Arts I/II/III/IV]

Health Education – ½ credit
(This credit is required for all students except students who successfully complete a minimum of one year in Healthcare Science and Technology.)

LIFE PE – 1 credit
(The LIFE PE credit may be waived for students who successfully complete Marching Band, JROTC I, or Athletic PE courses.)

Required for Special Education Students Earning Core Credit through Essentials/Life Skills Courses:

600301 Transition Services I (World of Work)

This code applies to teachers teaching beginning transition skills to high school students. This course will prepare students to become self-advocates, participate in postsecondary education and/or training to gain meaningful employment and support community participation as they plan for life after high school. This course is preferred for 10th grade students.

400016 Workforce Essentials

A one-credit course that provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on career development and employment. This course is preferred for 11th grade students.

400031 Cooperative Education Seminar/Work Experience

A one-credit work-based experience requiring a minimum of 270 continuous and successful hours of employment (average of 15 hours per week) performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator. Students enrolled in work-based experiences are required to participate in Cooperative Education Seminar one class period per week.

Course Requirements for Special Education Students Earning Core Credit through Alternate Achievement Standards (AAS). (One credit is required for each course, but students can take the course at any grade level.)

600002 Adaptive Physical Education

This course is for any special education student unable to take (LIFE Personal Fitness-240002) due to physical impairments, sensory issues, or severe cognitive delays as determined by the student's IEP.

600521 AAS: Pre-Vocational-9

This code applies to students with severe cognitive disabilities who are enrolled in a pre-vocational course and are assessed using alternate achievement standards (Extended Standards 9th).

600522 AAS: Pre-Vocational-10

This code applies to students with severe cognitive disabilities who are enrolled in a pre-vocational course and are assessed using alternate achievement standards (Extended Standards 10th).

600523 AAS: Pre-Vocational-11

This code applies to students with severe cognitive disabilities who are enrolled in a pre-vocational course and are assessed using alternate achievement standards (Extended Standards 11th).

600524 AAS: Pre-Vocational-12

This code applies to students with severe cognitive disabilities who are enrolled in a pre-vocational course and are assessed using alternate achievement standards (Extended Standards 12th).

Or

600531 AAS: Vocational-9

This code applies to students with severe cognitive disabilities who are enrolled in a vocational course and are assessed using alternate achievement standards (Extended Standards 9th).

600532 AAS: Vocational-10

This code applies to students with severe cognitive disabilities who are enrolled in a vocational course and are assessed using alternate achievement standards (Extended Standards 10th).

600533 AAS: Vocational-11

This code applies to students with severe cognitive disabilities who are enrolled in a vocational course and are assessed using alternate achievement standards (Extended Standards 11th).

600534 AAS: Vocational-12

This code applies to students with severe cognitive disabilities who are enrolled in a vocational course and are assessed using alternate achievement standards (Extended Standards 12th).

Or

600543 AAS Community Based Instruction-11 (World of Work)

This code applies to students with severe cognitive disabilities enrolled in a community based instruction course using alternate achievement standards (Extended Standards 11th).

600544 AAS Community Based Instruction-12 (World of Work)

This code applies to students with severe cognitive disabilities enrolled in a community based instruction course using alternate achievement standards (Extended Standards 12th).

600512 AAS Life Skills: Personal/Social Management- 9

This code applies to students with severe cognitive disabilities who are enrolled in a life skills course and are assessed using alternate achievement standards (Extended Standards 9th).

600513 AAS Life Skills: Personal/Social Management-10

This code applies to students with severe cognitive disabilities who are enrolled in a life skills course and are assessed using alternate achievement standards (Extended Standards 10th).

600514 AAS Life Skills: Personal/Social Management-11

This code applies to students with severe cognitive disabilities who are enrolled in a life skills course and are assessed using alternate achievement standards (Extended Standards 11th).

600515 AAS Life Skills: Personal/Social Management-12

This code applies to students with severe cognitive disabilities who are enrolled in a life skills course and are assessed using alternate achievement standards (Extended Standards 12th).

600506 AAS Functional Performance: Daily Living

This code applies to students with severe cognitive disabilities who are enrolled in a nonacademic course that addresses routine activities of everyday living.

Special Education

Elementary (PK-6)	Secondary (6-12)	Title
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NONE

The following course titles were changed to reflect the renaming of Life Skills courses to Essentials courses.

700031	LS I: World History <u>to</u>	Essentials: World History
700032	LS II: U.S. History to 1877 <u>to</u>	Essentials II: U.S. History to 1877
700033	LS III: U.S. History from 1877 <u>to</u>	Essentials III: U.S. History from 1877

700034

LS IV: Economics to

Essentials IV: Economics

700035

LS IV: U.S. Government to

Essentials IV: U.S. Government

700036

LS: Social Studies Elective to

Essentials: Social Studies Elective

Electives (half credit courses)

250002 Health Education

This course includes basic concepts of wellness and health promotion; accessing health information, products and services; application of health decision-making and goal-setting skills; impact of technology on health.

Physical Education Electives:

240003 – Level I

240003aa – Level II

240003ab – Level III

240003ac – Level IV

These courses include motor skill development; health enhancing physical activity; and interactive behavior.

290001 Driver and Safety Traffic Education

This course includes safe driving theory; in class study; driving hazards; boating safety; behind-the-wheel experience; and safety practices.

260002 Computer Applications

This course includes basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical, and human issues; technology communication tools; and technology productivity tools.

802203 (Social/Developmental Skills) – Career Exploration

(This course does not count as a Career Technical credit.) This course introduces students to the basic principles for launching individuals into career paths.

400012 Career Cluster Technologies I

(This course does count as a Career Technical credit and can be offered at a school with a Career Technical certified teacher teaching the course.) This course is designed to improve students' communication skills, learn about the value of work, develop leadership skills, explore career opportunities, and become aware of basic employability skills.

Intervention Courses:

200037 – English Intervention

200061 – Reading Intervention

210033 – Math Intervention

220090 – Science Intervention

230211 – Social Studies Intervention

Based on identified intervention needs, students are enrolled in these courses by the local school administration.

802200 (Enrichment) – ACT Preparation

This course is designed to prepare students to take the ACT college entrance exam.

280052 Vocal Level I

This course includes singing; sight-sing unison literature; performance; improvisation; creating; identifying musical compositions, composers, and musical styles; listening; comparing; analyzing and critiquing; rhythmic dictation; elements of music; and key signatures.

280054 Vocal Level II

This course includes singing varied repertoire; sight-singing two- and three-part literature; embellishing melodies; performing; analyzing and critiquing; melodic dictation; elements of music; key signatures; and history.

280056 Vocal Level III

This course includes singing varied repertoire; sight-singing four-part literature; improvising harmonies; performing; analyzing and critiquing; melodic dictation; elements of music; key signatures; history; and minor scales.

280058 Vocal Level IV

This course includes singing varied repertoire; sight-singing multi-part literature; improvising vocally; performing; analyzing and critiquing; circle of fifths; history; and minor scales.

280032 Instrumental Level I

This course includes playing instruments; elements of music; performing; composing; criticism; producing sounds; conducting patterns; demonstrating components essential to the production of characteristic tones, including posture, ear, embouchure, attack, breath support, sustaining tone, and release; sight-reading unison literature and rhythms; developing full spectrum of scales; developing mastery of rudiments; listening to and imitating the tone; and history.

280034 Instrumental Level II

This course includes performing; composing; analysis; criticism; history; elements of music; conducting patterns; notations; widening range of dynamics characteristic sounds; taper releases; sight-reading Grade II literature; developing scales and rudiments; and playing in a wide variety of keys.

280036 Instrumental Level III

This course includes performing; composing; analysis; criticism; history; characteristic tone in all registers; intonation; balance; sight-reading Grade III literature; developing scales and rudiments required in Level III music standards; and notation.

280038 Instrumental Level IV

This course includes performing; composing; analysis; criticism; history; characteristic tone in all registers; intonation; balance; sight-reading Grade IV literature; developing scales and rudiments required in Level IV music standards; and notation.

802206 Student Aide

(Students must meet local school criteria to be selected and assigned to work with a teacher or office staff.)

802207 Peer Helper

(Students must meet local school criteria to be selected and assigned to participate in this program.)

Electives (whole/one credit courses)

240002 LIFE (Lifelong Individualized Fitness Education) PE

This is the required physical education course for an Alabama High School Diploma.

Physical Education Electives:

240003ad – Level I

240003ae – Level II

240003af – Level III

240003ag – Level IV

These courses include motor skill development; health enhancing physical activity; and interactive behavior.

2600021 Computer Applications

This course includes basic concepts and operations; technology problem-solving and decision-making tools; technology research tools; social, ethical, and human issues; technology communication tools; and technology productivity tools.

280093 Visual Arts – Level I

This course includes creating; producing; elements of principles of design; two- and three-dimensional techniques and media; art history; art vocabulary; aesthetics; criticism; solution of art problems to communicate ideas; and safety issues with handling and storage of materials.

280094 Visual Arts – Level II

This course includes creating; visual relationships; problem solving using a variety of media and techniques; elements and principles of design; aesthetics; criticism; art history; art vocabulary; evaluation of artwork; and interdisciplinary connections.

280095 Visual Arts – Level III

This course includes creating; problem solving; utilizing a variety of media and techniques; communicating concepts, emotions, and intentions; elements and principles of design; diverse range of technology and independent research; self-directed sketchbook; critical analysis; aesthetics; art history; and interdisciplinary connections.

280096 Visual Arts – Level IV

This course includes advanced levels of art production in a variety of media; portfolio production; thematically related body of work; self-evaluation; documentation; preparation and exhibition of artwork; aesthetics; criticism and art history; interpretation; architectural studies; and interdisciplinary connections.

280107 Visual Arts Elective – Ceramics

This course involves using clay to hand-build different forms of ceramic sculpture. Students will be introduced to traditional and historical ceramic arts. Wheel thrown pottery is introduced on a limited basis. This class is designed for students who have an interest in working with clay and gives students experiences in making functional, as well as sculptural pieces, using a variety of techniques. Well thought out forms, designs, and functional uses, along with good craftsmanship, are emphasized. (This course does not count as a student's fine arts credit.)

280100 Photography - Level I

This course includes elements and principles of design; aesthetics; criticism and art/photography history; evaluation of artwork; proper care and storage of photography supplies; artwork production through the integration of appropriate media and techniques; communication of ideas; solution of artistic problems; and use of technology. (This course does not count as a student's fine arts credit.)

280100aa Photography – Level II

Students will build upon previously learned skills in Creative Photography I by learning about studio and portrait lighting, using medium format cameras and processing 120 mm black and white film, creating images with professional digital SLR cameras, manipulating images with Adobe Photoshop as well as experimenting with alternative processes such as lithographic printing, cyanotype and Poloroid emulsion lifts. Students may have the opportunity to participate in photography fieldtrips during the semester. (This course does not count as a student's fine arts credit.)

2801002ab/2801003ac Photography – Levels III/IV

Students will continue to work in all photographic processes (traditional black and white film, digital and alternative), build upon studio and portrait lighting skills and develop their own portfolio to showcase their particular talents and interests. Portfolios can be submitted for scholarships and used for college entrance applications. Participation in the national Scholastic Art Competition may be required. Students will have the opportunity to participate in several photography field trips during the semester. (This course does not count as a student's fine arts credit.)

280051 Vocal - Level I

This course includes singing; sight-sing unison literature; performance; improvisation; creating; identifying musical compositions, composers, and musical styles; listening; comparing; analyzing and critiquing; rhythmic dictation; elements of music; and key signatures.

280053 Vocal - Level II

This course includes singing varied repertoire; sight-singing two- and three-part literature; embellishing melodies; performing; analyzing and critiquing; melodic dictation; elements of music; key signatures; and history.

280055 Vocal - Level III

This course includes singing varied repertoire; sight-singing four-part literature; improvising harmonies; performing; analyzing and critiquing; melodic dictation; elements of music; key signatures; history; and minor scales.

280057 Vocal - Level IV

This course includes singing varied repertoire; sight-singing multi-part literature; improvising vocally; performing; analyzing and critiquing; circle of fifths; history; and minor scales.

280059 Vocal Ensemble

This course includes madrigal singers; concert chorale; a cappella choir; and mixed chorus ensembles. This course does not count as a student's fine arts credit.

280031 Instrumental - Level I

This course includes playing instruments; elements of music; performing; composing; criticism; producing sounds; conducting patterns; demonstrating components essential to the production of characteristic tones, including posture, ear, embouchure, attack, breath support, sustaining tone, and release; sight-reading unison literature and rhythms; developing full spectrum of scales; developing mastery of rudiments; listening to and imitating the tone; and history.

280033 Instrumental - Level II

This course includes performing; composing; analysis; criticism; history; elements of music; conducting patterns; notations; widening range of dynamics characteristic sounds; taper releases; sight-reading Grade II literature; developing scales and rudiments; and playing in a wide variety of keys.

280035 Instrumental - Level III

This course includes performing; composing; analysis; criticism; history; characteristic tone in all registers; intonation; balance; sight-reading Grade III literature; developing scales and rudiments required in Level III music standards; and notation.

280037 Instrumental - Level IV

This course includes performing; composing; analysis; criticism; history; characteristic tone in all registers; intonation; balance; sight-reading Grade IV literature; developing scales and rudiments required in Level IV music standards; and notation.

280039 Instrumental/Music Elective— Jazz Band

This course includes Dixieland, small-band jazz, swing, bebop, free jazz, and fusion, among other styles of music.

280071 Theatre I

This course includes producing; responding to productions; vocal kinesthetic, emotional, analytical, and intellectual elements of theatrical training; dramatic structure; acting process, including the collaborative nature of a theatrical production and the role of the production staff; theatre history; theatre vocabulary; concepts of aesthetics; and evaluating artistic choices.

280072 Theatre II

This course includes producing; character development; script analysis; collaboration; role of technical theatre in a production; self-evaluation; legal and ethical issues; theatre history; concepts of theatre, including elements of theatre and styles of performance; stage combat; improvisation; playwriting; and technology.

280073 Theatre III

This course involves creating; improvising; writing scripts, directing, and performing; theatre history; theatre vocabulary; aesthetics; criticism; characterization; analysis; interpretation; technical work; technology; and comparing fundamental elements used for communication with other art forms.

280074 Theatre IV

This course includes advanced level script writing; directing; performing; creating; interpreting; analyzing; history; playwrights; multimedia production; modern technology; and career options.

280077 Acting

This course includes vocal production; movement; improvisation; methods; styles; script and character analysis; and overview of the production process. This course does not count as a student's fine arts credit.

280079 Theatre, Designing/Technical

This course includes components; functions; scenery design and construction; lighting production and design; costuming; sound; stage management; and overview of the production process. This course does not count as a student's fine arts credit.

200042 Public Speaking

This course includes extemporaneous, demonstrative, persuasive, and informative oral communication; videotape; and speech writing and delivery. This course does not count as a student's fine arts credit.

802203aa (Social/Developmental Skills) – Leadership I

This course provides an opportunity to study, practice, and develop group and individualized leadership and organizational skills. These skills include, but are not limited to, decision-making skills,

problem-solving techniques, communication skills, leadership roles, human relation skills, and understanding the need for civic responsibility. Students will apply these skills in dealing with peers, school personnel, and the community.

802203ab (Social/Developmental Skills) – Leadership II

Students will implement the skills studied, practiced, and developed in Leadership I to plan and carry out many school activities and initiatives. Leadership II will balance the practical experiences with the continued development and understanding of leadership principles and characteristics in a diverse range of organizational settings. The active involvement of the school's growth and direction will empower the youth to develop and articulate a compassionate view of the community. In addition, students will gain an enhanced perception of their own leadership style, enabling them to refine the personal characteristics needed to be an effective leader.

Prerequisite: Leadership I

802206aa Student Aide

(Students must meet local school criteria to be selected and assigned to work with a teacher or office staff.)

802207aa Peer Helper

(Students must meet local school criteria to be selected and assigned to participate in this program.)

200033 Creative Writing – Level I

This course includes composing poetry, short stories, and critical responses.

200033aa Creative Writing – Level II

This course is a more advanced Creative Writing class which builds upon writing skills learned in Creative Writing. This course includes the publication of a literary magazine including collection and analysis of submissions of original literary works and art work and layout and design of submissions.

200028 Classical World Literature

This course includes reading and critiquing world classical literature. It introduces the literature and philosophies of ancient Greece and Rome including the works of Homer, Plato, Cecero, and Virgil. Students will analyze, discuss, and write critically about various classical texts.

200026 Literature, Mythology, and Fable

This course includes the study of Greece and Rome; Egypt and Mesopotamia; China, Japan, and India; and mythologies and fables.

200029 Literature, Novels

This course includes readings, discussions, and writings of selected novelists such as Hawthorne, Twain, and Melville.

200032 Composition, Expository

This course is designed for students to improve their thinking, reading, and writing skills by learning foundations of expository, persuasive, and argumentative writing styles, as well as techniques for collegiate writing standards. Students will be required to write on a daily basis, to share and peer review their work, and to complete a portfolio.

200045 Debate

This course includes individual/group work in debate.

230201 Contemporary Issues

This course focuses on current events of local, state, national, and international interest; media information analysis, political coverage, and techniques; analysis of current events from geographical, historical, political, social, and cultural perspectives. **Requirements:** A subscription to a weekly news periodical

200035 Mass Media

This course focuses on understanding and building relationships with a variety of media. Students will learn the ins and outs of print journalism, broadcast journalism, web journalism, advertising, and public relations. Current news topics along with public relations case studies and practices will be studied in-depth. Students will conduct hands-on public relations activities for school, including publicity for extracurricular events, web site writing, brochure design, and handling of local media.

200051 Journalism I

This course includes newspaper study; newspaper production; news information gathering; proofreading; and journalistic writing.

200052 Journalism II

This laboratory course includes advanced newspaper work; layout; in-depth editing; publishing; and finance.

200053 Journalism III

This course includes school newspaper management and advanced journalism.

802202 School Publication - Level I

This course includes producing a publication; format; layout; photographs; and yearbook design.

802202aa School Publication – Level II

This course includes senior staff positions; financial management; and yearbook publication.

Intervention Courses:

200037aa – English

Intervention 200061aa – Reading

Intervention

210033aa – Math Intervention

220090aa – Science

Intervention 230211aa – Social Studies

Intervention

Based on identified intervention needs, students are enrolled in these courses by the local school administration.

230071 Psychology

This course examines the developmental lifespan and the workings of the mind and body. It is a look at mental processes, individual differences, psychological disorders, and group interactions.

230081 Sociology

This course continues to further examine human development through states of consciousness, social psychology, personality theories, and mental disorders.

230061 World Geography

This course includes major world geographic areas; interrelationships between people and habitats; and political, social, cultural, and economic geography.

802110 (Club/Activity) - Scholars' Bowl Team. This course is for members of the Scholars' Bowl Team.

802205 Transferred Elective

This course code is used on a student's transcript by the local school to identify elective courses being transferred from another school.

Special Education

Transition Services Electives:

600304 9

This code applies to the Alabama's four tier transition standards. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community.

600305 Transition Services 10

This code applies to the Alabama's four tier transition standards. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community.

600306 Transition Services 11

This code applies to the Alabama's four tier transition standards. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community.

600307 Transition Services 12

This code applies to the Alabama's four tier transition standards. These standards are based on the scope and sequence that includes the transition strands: (1) academics/training (AT), (2) occupations and careers (OC), (3) personal/social (PS), and (4) daily living (DL). Students will develop fundamental transition skills needed for positive post-school outcomes. Instruction for this course may take place both within the classroom and the community.

600308 Strategies Lab

This code applies to special education teachers providing direct instruction in specific learning, behavioral, and/or social strategies that target specific setting demands of general education classes in which they are enrolled. Instructional time is also used, on a limited basis, to support general education class content learning.

Electives (non-credit courses)

802104 (Study Hall) - "Credit Recovery"

Although a student does not earn a credit for this course, he/she does have the opportunity during this class to recover one or more credits from one or more previously failed courses. The format of this opportunity must follow the guidelines of the Credit Recovery plan for Macon County Schools which must be approved by the superintendent and school board.

802104aa (Study Hall) - Study Skills Seminar for AP (Advanced Placement) Students

This course is designed for students taking at least three AP (Advanced Placement) courses to provide additional support that may be needed as they take on the increased academic rigor and workload in their schedules. No credit is awarded for this course.

Career /Technical Courses

Students taking 3 classes within the same program while in high school will be considered a program completer and may be eligible to receive an industry recognized credential. Classes denoted with an asterisk may be eligible for dual enrollment or articulated credit with the Alabama Junior College System. All programs are not offered at every school, and not all schools will offer all classes within every program. The majority of courses are offered at the Career and Technical Education Center.

Career / Technical Education Course Descriptions



420009 Agriscience

This 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, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildlife science, pest management, woodworking, metalworking, small engines, electrical wiring, and plumbing.

410009 Residential Wiring

This course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. This course emphasizes safety, grounding, conduit and electrical metallic tubing (EMT) bending, boxes and fittings, conductor installation, conductor termination and splices, installation of electrical services, circuit breakers and fuses, and residential wiring systems.

410006 Construction Site Preparation & Foundations

This course is designed to facilitate student understanding of the first phases of construction, including types of structures and their uses. Topics include career opportunities, safety, planning, location, layout, concrete and masonry, and foundations of various structures.

410007 Construction Framing

This course is 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.

410008 Construction Finishing and Interior Systems

This course is 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

420012 Introduction to Metal Fabrication

This course provides students with opportunities to examine safety and technical information in metal fabrication and to participate in hands-on activities in the laboratory.

420014 Introduction to Metal Inert Gas/Flux Cored Arc Welding

This course provides students with opportunities to examine safety and technical information in metal fabrication and participate in hands-on activities in the laboratory. Topics include career opportunities, safety, planning metal structures, identification and selection, and weld quality.

420051 Horticulture Science

Topics in Horticultural Science include career opportunities, safety, plant physiology, growing media, greenhouse facilities, greenhouse and nursery crop production, plant identification and classification, pest management, hydroponics and vegetable gardening, and technological applications.

420055 Nursery Production and Management

This course is designed to introduce students to the production of nursery crops. Topics include career opportunities, safety, basic plant science, plant propagation, nursery growing media, plant identification, nursery production, nursery pest control, business management, and equipment and facilities.

420056 Sports Turfgrass Production & Management

This course prepares students for sports turf grass careers. Topics include career opportunities, safety, turf grass growth, turf grass management, sports fields, turf grass tools and equipment, business management, and technology

420059 Residential Landscape Establishment & Management

This course focuses on the residential landscape industry. Topics include career opportunities, safety, plant nutrition, pest management, plant identification, residential landscape design and maintenance, tool and equipment maintenance, residential landscape business management, and technology.

410002 Power Equipment Technology

This course designed to prepare students for entry-level employment or advanced training in the power mechanics field. Topics include career opportunities, safety, tools, hydraulics, pneumatics, drive trains, control systems, starters, and preventive maintenance.

420026 Environmental Management

This Course 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.

420024 Fish and Wildlife Management

This course 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.

420057 Landscape Design and Management

This 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.

420054 Greenhouse Production Management

This course is related to the production of greenhouse crops. Topics include career opportunities, safety, plant propagation, growing media, plant identification, greenhouse production, pest control, business management, and equipment and facilities.

420053 Plant Biotechnology

This course provides students with an opportunity to develop an understanding of principles and practices of plant genetics and biotechnology regarding agriculturally related products and services. Topics include career opportunities, safety, cellular biology, biotechnology advancement, applied genetics and biotechnology concepts, and social and environmental impacts of biotechnology.

410001 Two and Four Stroke Engines

This is a course designed to prepare students for entry-level employment or advanced training in the power mechanics field. Topics include career opportunities, safety, tools, four-stroke cycle engines, two-stroke cycle engines, cooling systems, preventive maintenance, and engine overhaul, and exhaust systems.

410022 Residential and Commercial Power Equipment

This course is designed to prepare students for entry-level employment or advanced training in the power mechanics field. Topics include career opportunities, safety, lawn and garden chassis, chain saw, string trimmer, tillers, generators, pumps, Environmental Protection Agency (EPA) pollution controls, electrical systems, and electrical system repair on power equipment.

**430004 Architecture, Construction and Manufacturing**

This is the foundation course for the Architecture and Construction career cluster. This course may be offered to students in Grades 9-12; however, it is not required for entering a specific pathway. Course content provides students with an overview of the Architecture and Construction career cluster, which contains three pathways—Construction, Design and Preconstruction, and Maintenance and Operations. Students who choose to complete a pathway in the Architecture and Construction cluster are engaged in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, blueprint reading, basic rigging, and basic employability skills.

410006 Construction Site Preparation and Foundations

This course is designed to facilitate student understanding of the first phases of construction, including types of structures and their uses. Topics include career opportunities, safety, planning, location, layout, concrete and

masonry, and foundations of various structures.

410007 Construction Framing

This course is 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.

410008 Construction Finishing and Interior Systems

This course is 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.

410011 Safety and Health Regulations

In this course, students gain valuable information that serves as a foundation for further study in this area. Students learn the importance of government and industry regulations as well as individual responsibilities for performing activities from a safety perspective. Students identify common safety hazards found in the workplace and their role in minimizing and avoiding unsafe practices.

430059 Alternating Current

This course is designed to provide students with the fundamental knowledge and skills needed in the electrical industry. Emphasis is placed on job safety, terminology and symbols, magnetism, electrical quantities, Ohm's law in alternating current circuits, and reactive circuits

430058 Direct Current

This is designed to provide students with the fundamental knowledge and skills for this area of the electrical industry. Emphasis is placed on job safety, sources, terminology and symbols, components of a basic circuit, electrical quantities and measurements, characteristics of resistors, Ohm's law in direct current circuits, circuit construction, and troubleshooting.

430051 Basic Wiring

This course is designed to provide students with fundamental knowledge and skills in basic wiring. The course emphasizes safety while addressing topics such as shop rules, job opportunities, safety, tools, hand bending, fasteners and anchors, raceways, boxes, fittings, commercial and industrial wiring, wiring applications, and basic motors.

410009 Residential Wiring

This course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. This course emphasizes safety, grounding, conduit and electrical metallic tubing (EMT) bending, boxes and fittings, conductor installation, conductor termination and splices, installation of electrical services, circuit breakers and fuses, and residential wiring systems.

430053 Commercial Wiring

This course is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Students learn concepts related to distribution equipment, distribution system transformers, hazardous locations, load calculations for feeders and service, and standby and emergency systems.

430057 National Electrical Code and Journeyman's Preparation

This course is designed to provide students with the fundamental knowledge and skills needed for this area of the electrical industry. Students have opportunities to learn code requirements for hazardous locations, modular home communities, garages, theaters, hospitals, airport hangers, service stations, explosion-proof applications, and special equipment. Upon successful completion of this course, students are able to understand and use the National Electrical Code (NEC) in preparation for the Journeyman's Competency.

430070 Introduction to Welding

This course provides students with a fundamental understanding of welding safety, basic shielded metal arc welding (SMAW), blueprint reading, weld symbols, and identification of shop equipment. Students acquire knowledge for safe operation of SMAW processes and oxyfuel cutting. Upon successful completion of this course, students are able to interpret lines, views, and dimensions of weld joint configurations and weld symbols; identify oxyfuel cutting equipment and components; determine proper setup of equipment for application; identify safety hazards and welding equipment related to SMAW; and make quality welds with E6010 and E7018 electrodes in flat, horizontal, vertical, and overhead positions.

430075 Gas Metal Arc Welding

This course provides instruction regarding various transfer methods of gas metal arc welding (GMAW) fillet welds. Topics include safety, equipment setup, joint design and preparation, and gas flow rates.

430077 Gas Tungsten Arc Welding I

This course provides students with instruction and hands-on activities utilizing the gas tungsten arc welding (GTAW) process for producing fillet welds in the 1-F flat and 2-F horizontal positions using both ferrous and non-ferrous metals according to American Welding Society (AWS) D1.1 code.

430071 Applied Welding I with Plasma Arc Cutting

This course provides students with instruction regarding safety and terminology in the shielded metal arc welding (SMAW) process, equipment identification, setup and operation of plasma arc equipment, and reading and interpreting detailed drawings. Emphasis is placed on striking and controlling the arc and proper fitting of weld joints. Upon successful completion of this course, students are able to perform fillet welds in the 1-F and 2-F positions with E6010 and E7018 electrodes in accordance with American Welding Society (AWS) D1.1 codes. Students identify safety hazards, gases, and equipment, and practice the operation of manual plasma arc cutting equipment while observing safety precautions.

430072 Applied Welding II with Carbon Arc Cutting

This course introduces students to the proper setup and operation of shielded metal arc welding (SMAW) equipment in the 3-F vertical and 4-F overhead positions. Emphasis is placed on striking and controlling the arc. Proper setup and operation of manual air carbon and gouging and cutting operations on plain carbon steel are addressed. Upon successful completion of this course, students are able to perform fillet welds in the 3-F vertical, and 4-F overhead, positions with E6010 and E7018 electrodes in accordance with American Welding Society (AWS) D1.1 code and produce industry quality cuts with carbon arc cutting equipment.

430078 Gas Tungsten Arc Welding II

This course provides students with instruction and hands-on activities utilizing the gas tungsten arc welding (GTAW) process for producing fillet welds in the 3-F vertical and 4-F overhead positions, using both ferrous and non-ferrous metals according to American Welding Society (AWS) D1.1 code.

430073 Applied Welding III with Groove Welds I & Inspection

This course provides students with instruction and demonstration in the shielded metal arc welding (SMAW) process on carbon steel plates with various size E-6010 and E-7018 electrodes in the 1-G flat and 2-G horizontal positions. This course also provides students with inspection skills and knowledge to evaluate welded joints and apply quality control measures as needed. Emphasis is placed on interpreting welding codes, welding procedures, and visual inspection methods. Upon successful completion of the course, students are able to visually identify acceptable weldments as prescribed by the code of welding specification report and are able to make visually acceptable groove weld joints in accordance with the American Welding Society (AWS) D1.1 welding certification procedures.

430074 Applied Welding IV Advanced Groove Welds & Testing

This course provides students with instruction and demonstrations in the shielded metal arc welding (SMAW) process on carbon steel plate with various size E6010 and E7018 electrodes in the 3-G vertical and 4-G overhead positions. Upon successful completion of this course, students are able to make visually acceptable groove weld joints in accordance with American Welding Society (AWS) D1.1 weld certification procedures and prepare a weld coupon for certification.

400031 Cooperative Education Seminar

This course is a required component of the Cooperative Education work-based experience. Students enrolled in this course will be working at a job related to their chosen career field. Students must earn 2 credits in a Career Technical Education program before they are allowed to participate in Cooperative Education.

Dual Enrollment Courses offered through Calhoun Community College:

(ADM100) Industrial Safety

(ADM106) Quality Control Concepts

(DDT111) Fundamentals of Drafting Design Technology

(ADM102) Computer Aided Design

410005 Introduction to Drafting

This course serves as an introduction to the drafting design technology field. It provides essential information that builds a strong foundation for the entire program. Emphasis is placed on student orientation, safety, tools and procedures, geometric construction, sketching, dimensioning practices, visualization, and orthographic projection concepts. Computer-Aided Drafting (CAD) functions and techniques using CAD software applications are introduced. Upon successful completion of this course, students are able to utilize tools and interpret basic drafting standards to complete a multi-view drawing.





450006 Business Technology Applications

This course is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

450007 Business Essentials

In this course 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.

410023 Law and Society

This course is designed to acquaint students with basic legal principles common to business and personal activities. This course is an overview of criminal, civil, contract, and consumer law. Topics include evaluating contracts, purchasing appropriate insurance, interpreting state and federal criminal law, and representing other businesses as employee or contractor.

480011 Management Principles

This course designed to provide students with an understanding of the organizational functions of businesses, including quality concepts, project management, and problem solving. Topics include analyzing functions of management, examining leadership styles, and reviewing organizational structures.

450031 Advanced Business Technology Applications

This course provides students with project-based applications of concepts learned in Business Technology Applications or Business Essentials. Personal computing and business skills are integrated throughout the course as students use a variety of software applications to produce and prepare documents for publication and learn how to select appropriate software for generating information.

410016 Multimedia Design

This course is designed to provide students with hands-on skills involving graphic design, digital photography, Web publishing, and digital video production. Students use various hardware peripherals and software for completing documents.

410017 Multimedia Publications

This course is designed to provide students with the ability to utilize digital equipment and multimedia digital imaging software, produce interactive media projects, and develop publication layouts. Students use various hardware peripherals as well as the Internet for integrating skills to create a variety of publications.



450006 Business Technology Applications

This course is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

450021 Business Finance

This course is designed to provide students with an overview of the principles of business finance. The curriculum focuses on major areas of study, including economics, marketing, accounting procedures, and the global financial market.

470021 Financial Management

This course is designed to provide students with an overview of financial and investment planning procedures. Students interpret financial data to develop short- and long-term budgetary plans, produce accurate reports, and make informed business decisions. Students develop product knowledge related to financial and investment planning by examining characteristics for distinguishing among stocks, bonds, and commodities and between insurance and annuity products.



The following course sequence involves a leadership laboratory with a focus on the organization of the Army:

- 480041 Army JROTC Leadership Education and Training I**
- 480042 Army JROTC Leadership Education and Training II**
- 480043 Army JROTC Leadership Education and Training III**
- 480044 Army JROTC Leadership Education and Training IV**
- 480003 Army JROTC Advanced Leadership**



490007 Foundations of Health Science

This course introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century.

490015 Human Body Structures and Functions

This course is designed to help students develop a basic knowledge of the normal structure and function of the human body.

490013 Health Science Internship (1 credit)

This course designed for students in Grades 11 or 12. This course provides students with the knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise at least ten percent of the course. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility.

490014 Health Science Internship (2 credits)

This course designed for students in Grades 11 or 12. This course provides students with the knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise at least ten percent of the course. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory, or other health care facility.

490023 Therapeutic Services

This course is designed to inform students of the rapid changes in business and industry through a rigorous array of coursework and work-based experiences that prepare them for advanced learning and a wide range of health career opportunities.

490033 Medical Terminology

This course is designed for students to develop health care specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language of medicine to the health care student by incorporating medical terminology with anatomy and physiology and the disease process.

490042 Principles of Biomedical Sciences -PLTW

This course investigates various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life.

490043 Human Body Systems - PLTW

This course examines the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration.

490044 Medical Interventions - PLTW

This course investigates a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail.

490001 Biomedical Innovation –PLTW

This capstone course designs innovative solutions for the health challenges of the 21st century. They work

through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry.



500011 Hospitality and Tourism

Major topics include introduction to hospitality and tourism, recreation, travel and tourism, lodging, restaurant and food and beverage services, safety and sanitation, customer relations, and quality services.

500012 Culinary Arts I

This course introduces students to basic food production, management, and service activities in both the back- and front-of-the-house. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course.

510011 Food and Nutrition

This course includes 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 Pyramid; 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.

510013 Chemistry of Foods

This course is a specialized area of study that provides an in-depth study of the application of science principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of food. Students apply the scientific method to study scientific concepts and theories in the context of nutrition and foods.

500013 Culinary Arts II

This course provides advanced experiences in food production, management, and service. Topics include food service operations, advanced food production, and professionalism.

400031 Cooperative Education

This course is a required component of the Cooperative Education work-based experience. Students enrolled in this course will be working at a job related to their chosen career field. Students must earn 2 credits in a Career Technical Education program before they are allowed to participate in Cooperative Education.

510060 Introduction to Cosmetology

This course that provides students with a study of concepts related to the cosmetology profession. Specific topics include cosmetology history and opportunities, professional image, infection control, and basic fundamentals and principles of hair care and design. Students also gain initial practical experience in sanitation, shampooing, hair shaping, and hairstyling.

510062 Chemical Services

This course focuses on the theory of chemical services related to chemical hair texturing. Specific topics include basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Students also gain initial practical experience in performing various chemical texturing activities.

510066 Introduction to Nail Care and Applications

This course focuses on all aspects of the nail care industry. Specific topics include nail care history and opportunities, nail and skin services, sanitation and bacteriology, and salon conduct.

510061 Hair Coloring

This course provides students with study and experience in hair coloring and lightening. Emphasis is placed on color application, laws, levels and classifications of color, and problem solving. Upon successful completion of this course, students are able to identify all phases of hair coloring and its effects upon the hair and perform procedures for hair coloring and lightening.

510063 Introduction to Spa Techniques

This course that focuses on the structure and function of various systems of the body, massage techniques, skin care, and hair removal. Upon successful completion of this course, students are able to assemble sanitized materials, follow procedures for product application, recognize skin disorders, and demonstrate facial massage movements and hair removal.

510067 Nail Art and Application

This course provides students with a study of and practice in advanced nail techniques. Upon successful completion of this course, students are able to identify and apply procedures and techniques for nail sculpturing and nail art.

510064 Advanced Spa Techniques and Application

This is a course that provides students with study and experience in advanced hair removal, cosmetic applications, skin care, and massage techniques. Upon successful completion of this course, students are able to practice safety and sanitary precautions as they apply to the performance of advanced spa techniques and applications.

510065 Salon Practices and Management

This course enables students to develop entry-level management skills for the cosmetology industry. Students

practice all phases of cosmetology in a salon setting.

510068 State Board Practicum

This course that provides students with a comprehensive study of State Board procedures and practical applications in cosmetology and nail care.

510004 Family and Consumer Sciences

This course content provides opportunities for students to explore the core content included in the Family Studies and Consumer Sciences; Early Childhood Development and Services; Fashion; Interior Design; Food, Wellness, and Dietetics; and Consumer Sciences pathways. Major topics are marriage and family life, parenting and care giving, consumer services, apparel, housing, food and nutrition, and technology and careers.

510033 Family Studies and Community Services I

This course designed for students who are interested in acquiring skills for providing service to families and in preparing for a variety of careers related to family and human services.

510034 Family Studies and Community Services II

This course includes content that helps students learn ways to determine client needs through the use of assessments and to provide intervention services. The physical, social, emotional, and intellectual stages of clients from infancy to older adults are addressed throughout the course.

510021 Child Development

This course helps students develop skills related to the physical, social, intellectual, and emotional development of children.

510011 Food and Nutrition

This course includes 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 Pyramid; 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.

510051 Housing

This course introduces students to the selection and planning of living environments to meet needs and wants of individuals and families across the life span.

510041 Fashion

This course introduces students to the selection and care of clothing and accessories for individuals and families. Content provides opportunities for students to explore factors that influence apparel choice, apparel history, current fashion trends, proper care and maintenance of apparel, laws and legislation regarding the apparel industry, apparel design, apparel repair and construction, wardrobe planning, technology in the apparel and textiles industries, and career options in the apparel and textile industries.

510031 Life Connections

This course focuses on practical problems related to nurturing human development throughout the life span and

life cycle. Course content provides opportunities for students to explore basic needs of individuals regarding human growth and development; stages across the life span; career planning; dating and marriage; financial management; parenting decisions; relationship adjustments; middle-age, retirement issues, and intergenerational living; balancing work, family, and community responsibilities; improving the quality of life; community resources and services; technology; and careers related to families as they progress through the life cycle.

400021 Personal Finance

This course introduces students to the management of personal and family resources to achieve personal goals and financial literacy. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services to individuals and families.

510023 Parenting

This course allows students to focus on parenting roles and responsibilities. Content provides opportunities for students to explore family structures and stages of the family life cycle; roles and responsibilities of parents across the life span; factors influencing the decision to become a parent; preparation for parenthood; birth defects; challenges of teen pregnancy and parenthood; signs and changes in pregnancy; prenatal development, labor, and delivery; stages of child development; children with exceptionalities; meeting physical, health, and safety needs of children and adolescents; positive parent-child relations; guidance and discipline of children and adolescents; sources of parenting information, support, and assistance; technology impacting parenting; and career opportunities related to parenting

510044 Fashion Design

This course is designed for students interested in fashion, fashion design, and apparel and textile design technology. Content provides opportunities for students to explore historic costumes, research current fashion styles and trends, analyze fibers and textiles, design clothing and accessories, utilize technology in fashion design, and explore career options in apparel and textiles industries.

410015 Fashion Merchandising

This course is for students who are interested in the fashion and retail industry. Content provides opportunities for students to explore factors related to the retail industry, examine structure and organization of fashion business operations, study merchandising techniques, utilize technology in fashion merchandising, and explore career options in fashion and retail industries.

510013 Chemistry of Food

This course is a specialized area of study that provides an in-depth study of the application of science principles to scientific investigation of the production, processing, preparation, evaluation, and utilization of food. Students apply the scientific method to study scientific concepts and theories in the context of nutrition and foods.

510014 Dietetics

This course provides students with advanced knowledge and skills used in nutrition and dietetics. Major topics include nutrition, meal planning, safety, food science, and professional behavior.



Dual Enrollment Courses offered through Calhoun Community College:

- (CIS146) Microcomputer Application**
- (CIS268) Software Support**

- (CIS269) Hardware Support**
- (CIS201) Software Development**

- (CIS279) Network Infrastructure Design**

- (CIS280) Network Security**

520005 Information Technology Fundamentals

Information Technology Fundamentals is a course that introduces students to the knowledge base and technical skills for information technology careers. Students study the nature of business and demonstrate knowledge of the functions of information systems in business. Emphasis is placed on maintaining a safe working environment and on building interpersonal skills needed for working in the information technology environment. Students demonstrate appropriate knowledge and behaviors regarding legal responsibilities of information technology professionals.

410019 Computer Management and Support

Computer Management and Support is a course that provides students with skills necessary to manage a stand-alone computer on a home network. Topics in this course include computer hardware, computer operating systems, network architecture, network protocols, career opportunities, and network design and security.

410018 Information Technology and Support Services

Information Technology Support and Services is a course designed to provide students with knowledge of computer hardware, operating systems, and computer software applications. This course provides students with additional skills necessary to effectively plan, develop, and administer both a local area network (LAN) and a wide area network (WAN). Topics addressed in this course include network operating systems, network architectures, network protocols, and network security. In addition, network scalability and adaptability are discussed regarding emerging computer technologies.



450006 Business Technology Applications

This course is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications.

550011 Marketing Principles

This course is designed to provide students with an overview of in depth marketing concepts. Students develop a foundational knowledge of marketing and its functions, including marketing information management, pricing, product and service management, entrepreneurship, and promotion and selling. Students examine the need for sales and marketing strategies. Students practice customer relationship skills, ethics, technology applications, and communicating in the workplace.

550021 Sales and Promotion Planning

This course 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.

400017 Entrepreneurship

This course is designed to provide students with skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations.



560011 Foundations of Engineering

This course is 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.

560012 Engineering Applications

This course is designed to explore the application of engineering principles in various technological areas including construction, transportation, communication, manufacturing, and bioengineering.

560013 Engineering Systems

This course is designed to enable students to explore systems involved in the engineering research and design process. Topics include fluid, thermal, mechanical, and electrical systems. Students gain knowledge of each

type of system and common interactions among them.

560030 Basic Programming for Engineers

This course is designed to provide students with an introduction to computer tools and computer programming languages used by engineers. The goal is to develop sufficient knowledge to perform basic analysis using common engineering programming languages.

560014 Engineering Research and Design

This course is a capstone course in the engineering field recommended for students in Grades 11–12. The course enables students to make an informed career choice through the study and application of mechanical, electrical, and other engineering systems. Students conduct research and design engineering projects to enhance abilities and expand interest in the field of engineering.

540031 Introduction to Robotics

This 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.

540032 Robotics Applications

This 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.



570025 Automotive Electrical and Electronic Systems I

This course provides students with classroom and laboratory instruction in electrical and electronic system operations, diagnosis, and repairs. Emphasis is placed on system operations, circuit diagnosis, wiring diagrams, and equipment usage. Upon successful completion of the course, students are able to diagnose and repair electrical and electronic systems.

570028 Automotive Suspension and Steering

This course provides students with a working knowledge of brake assist assemblies, anti-lock systems, suspension systems, and steering systems. Topics include brake diagnosis, steering diagnosis, suspension diagnosis, alignment procedures, and wheel balancing. Upon successful completion of this course, students are able to repair brake suspension and steering systems.

570027 Automotive Brakes

This course provides students with classroom and laboratory instruction in electrical accessories and brake system operations, diagnosis, and repairs. Emphasis is placed on accessory diagnosis, hydraulic system diagnosis, disc and drum brake diagnosis, and equipment usage. Upon completion of this course, students are able to repair brake systems. This course incorporates all personal and environmental safety practices associated

with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals and materials in accordance with local, state, and federal safety and environmental regulations.

570026 Automotive Electrical and Electronic Systems II

This course provides students with classroom and laboratory instruction in electrical components operation, diagnosis, and repairs. Upon successful completion of this course, students are able to perform minimum tasks required by National Automotive Technicians Education Foundation (NATEF) and Automotive Service Excellence (ASE) lists.

570022 Automotive Engine Repair

This course provides students with classroom and laboratory experiences in diagnosing and repairing gasoline engines. Topics include engine disassembly, component identification, inspecting and measuring parts, and engine assembly and repair. Upon successful completion of the course, students are able to diagnose, remove, repair, rebuild, and install an automobile engine.

570023 Automotive Heating and Air Conditioning

This course provides students with classroom and laboratory experiences regarding system operations, repairs, and service procedures. Topics include electrical, plumbing, and component replacement. Upon successful completion of the course, students are able to remove, install, diagnose, and perform basic heating and air-conditioning repairs.

570040 Diesel Engines I

This course is designed to provide students with the foundational knowledge and skills for maintaining diesel engine safety and exhibiting proper tool use. Specific topics include engine diagnostic techniques, servicing cylinder heads, analyzing engine block wear, and the operation theory of various engine systems. As part of this course, students apply knowledge and skills by participating in various diesel engine diagnostic and service activities.

570020 Automotive Engine Performance I

This course provides students with the knowledge and skills regarding general engine diagnosis, computerized engine controls, ignition systems, and emission control systems. Strong emphasis is placed on system and component operations. Upon successful completion of the course, students are able to diagnose and repair engine performance related systems.

570021 Automotive Engine Performance II

This course provides advanced students with in depth information regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems. Emphasis is placed on system and component operations and diagnosis. Upon successful completion of this course, students are able to diagnose and repair engine performance-related systems.

570038 Metal Welding and Cutting

This course provides students with classroom and laboratory experiences in various automotive cutting and welding processes. Emphasis is placed on safety, plasma arc cutting and oxyacetylene cutting, resistance type spot welding, and metal inert gas (MIG) welding.

570030 Painting and Refinishing I

This course is designed to provide students with an introduction to current technologies relative to basic principles of automotive finishes.

570030 Nonstructural Analysis and Damage Repair I

This course provides students with current and emerging technologies in analysis and repair of collision-damaged nonstructural components. Emphasis is placed on methods, equipment, and processes used to inspect, measure, repair, and replace nonstructural components. Upon successful completion of the course, students perform basic repairs on automotive nonstructural components.

570034 Nonstructural Analysis and Damage Repair II

This course provides specialized, advanced classroom and laboratory experiences in the application of current and emerging technologies for methods, equipment, and processes used to inspect, measure, repair, and replace nonstructural components.

570031 Painting and Refinishing II

This course provides students with specialized classroom and laboratory experiences in the application of various automotive paint finishes. Instruction and practice are provided regarding the diagnosis and repair of automotive surface defects. Upon successful completion of the course, students properly apply automotive paint finishes.

570036 Mechanical and Electrical Components I

This course provides students with classroom and laboratory instruction in collision-related mechanical repairs. Emphasis is placed on the diagnosis and repair of suspension, steering, brakes, and hydraulic systems.

570035 Structural Analysis and Damage Repair

This course that provides students with classroom and laboratory instruction in methods of determining structural misalignment and the processes used to affect repairs. Emphasis is placed on methods, techniques, and equipment employed in the inspection, measurement, and repair of automotive structures, including frame and body and glass components.

570032 Painting and Refinishing III

This course is designed to provide advanced students with the technology associated with automotive final detail finishes, including instruction in the principles of collision cost estimating.

570037 Mechanical and Electrical Components II

This course provides students with classroom and laboratory instruction in collision-related electrical and mechanical repairs. Emphasis is placed on the diagnosis and repair of electrical heating, air-conditioning, and cooling.



CTE Electives

400017 Entrepreneurship

This course is designed to provide students with skills needed to effectively organize, develop, create, and manage a business. This course includes business management and entrepreneurship, communication and interpersonal skills, economics, and professional development foundations.

400031 Cooperative Education Seminar

This course is a required component of the Cooperative Education work-based experience. Students enrolled in this course will be working at a job related to their chosen career field. Students must earn 2 credits in a Career Technical Education program before they are allowed to participate in Cooperative Education.

400016 Workforce Essentials

This course provides students with higher-level academic and occupational skills that are transferable across jobs and occupational areas. Emphasis is placed on academic foundations for careers, applied technology, career development and employment, entrepreneurship and business economics, social and ethical responsibility, leadership, and teamwork, safety and health, and technical knowledge and skills. Students build on prior knowledge, strengths, interests, and needs that enhance preparation for future employment and continuing education and training.

400021 Personal Finance

This course introduces students to the management of personal and family resources to achieve personal goals and financial literacy. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services to individuals and families.

400022 Personal Finance ½ credit

This course introduces students to the management of personal and family resources to achieve personal goals and financial literacy. Content provides opportunities for students to explore consumer behavior, laws and legislation, consumer protection, consumer rights and responsibilities, consumer decision making, advertising and promotional techniques, individual and family money management, banking services, use of credit, income tax, technology, and careers in providing financial services to individuals and families.

400023 Senior Careers Pathway Project

This a capstone course designed for career and technical education students who have completed two or more career and technical education courses. This course allows students to utilize their secondary coursework through an experience that showcases their learning.

520007 Advanced Placement (AP) Computer Science A

This college level computer course follows the curriculum established by the College Board Advanced

Placement (AP) Program for Computer Science in teaching the object-oriented computer language, JAVA, at an advanced level. In order to receive a weighted grade for this course the student must pass the course and take the AP Exam. To earn college credit for this course, the student must pass the course, take the AP Exam, and achieve a passing score determined by the college.

CTE Graduation Requirement (for students entering the 9th grade for the first time during the 2013-2014 school year)

400025 Career Preparedness

This one-credit course is taught in Grades 9-12, but is recommended to be taken in the 9th Grade. It fulfills a new graduation requirement for the students entering the 9th grade for the first time during the 2013-2014 school year. The course prepares students with content knowledge and skills in the areas of career development and academic planning, computer skill application, and financial literacy. Also, this course is designed to meet the required 20-hour online experience requirement.

400026 Career Preparedness – A

This half-credit course is taught in Grades 9-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and computer skill application. This course is a prerequisite to Career Preparedness B. The required 20-hour online experience (and the Career Preparedness graduation requirement) can be met by successfully completing both Career Preparedness A and Career Preparedness B.

400027 Career Preparedness – B

This half-credit course is taught in Grades 9-12. The course prepares students with knowledge and skills in the areas of career development and academic planning and financial literacy. The prerequisite to this course is Career Preparedness A. The required 20-hour online experience (and the Career Preparedness graduation requirement) can be met by successfully completing both Career Preparedness A and Career Preparedness B.

SAFETY IN CAREER/TECHNICAL EDUCATION CLASSES POLICY

In order to ensure safety of students and personnel in Career/Technical education classes, all laws, regulations, and guidelines established by local, state, and federal agencies shall be followed.

Teachers in career/technical classes shall establish safe working conditions and shall promote the development of safety awareness and safe work habits by students. Safety procedures and safe work habits shall be taught and tested in all career/technical classes as specified in the Alabama Course of Study for each content area.

A safety plan shall be posted in each career/technical classroom and shall include methods for encouraging safe procedures in the following areas:

- Continuous supervision of students in the classroom, laboratory, and/or shop environment.
- Ensuring that protection devices are worn by students when appropriate.
- Safe storage of toxic, flammable, or hazardous materials.
- Safe use of electrical devices and avoiding electrical hazards.
- Safety demonstrations, safety instruction, and testing for safety knowledge.
- Periodic inspection of materials, equipment, and tools to ensure safe use.

Live Work in Career Technical Education Classes

A. Definition

"Live Work" is done by students as part of their training program. Such work includes service, repair, or production by students.

B. Relationship to Training

Live Work will be conducted when, in the opinion of the instructor, the training program requires such projects for students to acquire occupational skills leading to employment. Live Work will be assigned to individual students by the instructor(s) as part of the student's training program and will conform to the standards established by the Alabama State Board of Education. Live Work will be scheduled for individuals or groups of students to coincide as nearly as possible with the instructional unit with which the Live Work is associated. Live Work shall be accepted in terms of its usefulness and need in the training program rather than for production and/or accommodation.

C. Administration

Administration and control of Live Work shall reside with the Macon County Technical Center Director or designee. All Live Work must be approved by the director or designee and conducted in accordance with these and other policies issued by the Macon County Board of Education, as the need arises. The Career Technical manager shall be responsible for the determination and collection of all charges and maintenance of appropriate records.

D. Eligible Live Work Recipients

Live Work will be performed on specific projects for specific individuals and organizations. The scope and extent of each project will be well defined and documented before acceptance.

Live Work projects can be conducted on priority basis for:

1. Students;
2. Those persons directly connected with education;
3. Other tax support programs, institutions, and charitable organizations;
4. Other individuals and organizations, if;
 - a. Such Live Work is not designed for competition with private enterprises,
 - b. The circumstances involved are unusual and justify the acceptance of the Live Work project, and
 - c. The instructor can justify why the Live Work is necessary for the training program.

E. Release of School Liability

The person, program institution, or organization for which Live Work is done shall:

1. Assume all responsibility for the results of the work being done by students.
2. Bear all actual cost of materials and parts involved.
3. Pay a service charge according to the schedule as prescribed by the section on service charges and established by the Career Technical manager to cover indirect expenses.

F. Service Charges for Live Work

The total charges for Live Work will be as follows:

1. Actual cost of parts and/or materials, plus 20% charge.
2. For projects that do not involve cost of parts and/or materials, a service charge is to be collected at the discretion of the Career Technical manager. (Students & faculty may be excluded from a service charge.)

G. Method of Managing Live Work

Instructors who collect money for services provided by students or products grown or manufactured at the school will receipt money as specified by each local school bookkeeper according to school accounting practices. Instructors of classes

that design, build or repair items will complete a work order for each project. All vehicles worked on must have a completed industry-type work order attached to or on the vehicle. Upon completion of the project, a completed work order with all work performed and parts used will be submitted to the bookkeeper with payment for services.

H. Live Work Accounts

Monies will be collected for Live Work projects in the main office and receipted and spent in the areas performing the work. When the accounts have accumulated money in excess of \$5,000.00, the Career Technical manager, with the approval of the Superintendent of Macon County Schools, may transfer these excess monies to the local school's General Fund account to purchase needed equipment for other instructional areas.

Cooperative Education School Regulations

1. Student acknowledges that the primary purpose of work-based learning is educational and, therefore, agrees to abide by policies of the Cooperative Education program and decision of the teacher-coordinator, including those regarding specific job placements and assignments made without regard to specific pay rate, schedule, or similar variables.
2. Student acknowledges that the school, through the teacher-coordinator, is acting as an intermediary between employer and student and that the teacher-coordinator has a legitimate right to know and a significant role in determining the outcome of any employment issues including placement, termination, scheduling, assignments, and all other aspects of employment.
3. Cooperative Education students who fail to perform satisfactorily in all subject areas during any grading period may be placed on probation. Students who fail to improve may be asked to resign from his/her job.
4. A student suspended from school or placed in SSC is placed on probation. On the second offense he/she may be dropped from the Cooperative Education program.
5. A student may be placed on probation after five (5) consecutive absences. On the second offense the student may be dropped from the program except in cases of illness of self or family members or death of immediate family member.
6. A student losing his/her training station due to any action deemed unacceptable by the school and teacher/coordinator will be dropped from the program with a loss of all credit.
7. A student whose job is terminated for any reason is to report to the teacher-coordinator immediately. Failure to do so results in probation and possibly being dropped from the program.
8. A student not attending regular school classes and/or the Cooperative Education class cannot work at the training station on the day(s) he/she is absent.
9. In case of absence, the student is required to call the teacher-coordinator and his/her employer before class or working period.
10. Friends or family are not to visit the student on the job.
11. A student is to be on time at school as well as on the job.
12. Parents should understand the student's responsibility to the training station and not interfere with the performance of his/her duties.
13. Business rules for dress and personal hygiene will be observed.

14. Since training is the primary objective, a student is expected to remain with the training station to which he/she is assigned. Students may resign or change jobs only with the express written permission of the teacher-coordinator. A student changing a job without written permission is subject to being dropped from Cooperative Education.
15. The student organization is an integral part of a student's Career/Technical Education program. Therefore, all students are expected to participate in and actively support the Career/Technical Education student organization that relates to their career objective.
16. When Cooperative Education students honor their employers with an employer-employee banquet, reception, etc., all students are expected to attend with their employers as their guests.
17. Students are placed on the job to train and are under the supervision of both the teacher-coordinator and business supervisor/mentor where they are employed.
18. Students must abide by all school rules and regulations for other students and consider themselves under the jurisdiction of the school while in the training station.
19. Transportation to and from the work site is the responsibility of the student. Transportation problems do not justify absence from work.
20. Students will leave the campus immediately following the last scheduled class. If for any reason a student needs to remain on campus, permission must be obtained from the teacher-coordinator.

Educational Platforms

Alabama Connecting Classrooms, Educators, and Students Statewide (ACCESS)

ACCESS is available to all Alabama public high school students. It provides:

- Equal access to high-quality instruction
- An infrastructure that delivers quality learning opportunities
- Greater equity for all Alabama public high school students through 21st Century technology

ACCESS provides Alabama students with access to quality instruction and coursework by blending:

- Rigorous Web-based and Interactive Videoconferencing (IVC) courses taught by Alabama-certified and highly-qualified teachers
- A technical infrastructure to deliver approved Web-based courses and connect IVC labs via a statewide network
- Three regional support centers to hire, train, evaluate, and support e-teachers
- Statewide coordination, scheduling, and support for distance learning

Web-Based Courses: Web-based courses are offered through ACCESS. ACCESS grades may be posted quarterly, at the end of the semester, or the end of the year.

ACCESS Credit Advancement Classes

Algebra I

Algebra II

Algebra II with Trig

Geometry

Algebraic Connections

Precalculus

Economics

US Govt

World History: 1500 to present

US History: Up to 1877

English 9

English 10

English 11

English 12

Credit Advancement courses permit students to prove mastery in units, allowing them to move past units in which they are proficient and concentrate on units in which they need additional work. Successful completion of a Credit Advancement course allows students to move forward into the next course in the sequence of that content area. All ACCESS courses are free to students enrolled in Alabama public schools and on a fee basis for non-public school students. See your school counselor to register. ***Please note that ACCESS Credit Advancement courses are not approved by the NCAA for eligibility purposes.***

ACCESS grades may be awarded at any point during the school year.

LEA Hybird Classes

The school system uses mixed platforms to offer hybrid classes to its students. These classes use teacher instruction coupled with the use of Acellus, Plato, and/or iTunes U. Hybrid grades may be awarded at any point during the school year.

Virtual Courses

The school offer a virtual platform to its students in 9-12 through Acellus. . Acellus grades may be awarded at any point during the school year.

WEB-BASED COURSES; HYBRID COURSES; VIRTUAL COURSES; INTERACTIVE CONFERENCING COURSES: Be sure that the correct CLASS TYPE is chosen in Chalkable/INOW for web-based courses; hybrid courses; virtual courses; and interactive conferencing courses.

DUAL ENROLLMENT Courses: Use traditional course numbers unless other numbers are provided by the college. Note: choose between dual enrollment-college for 4 year colleges and dual enrollment-technical for 2-year and community colleges. Use the state course number as appropriate for a course.

ACELLUS/PLATO Courses--At this point,, these courses may be listed as **WEB-BASED** if they are taught solely as virtual courses. If they are taught as a blended portion of a traditional course, they are hybrid and should be listed as **STANDARD**. Use the state course number as appropriate for a course.

See Chalkable Screenshot

InformationNOW (7.0.12) - Google Chrome

https://sis-maconco.chalkableinformationnow.com/InformationNow/Scheduling/Course.Edit.Main.aspx?Size=1024,768

Course: 210005ab Algebra I

Summary Main Standards Custom Textbook Scheduling Rules Average Setup

Course Details

*Course Number: 210005ab State Course Number: 210005 - Algebra I

*Short Name: Algebra I *Long Name: Algebra I

*Course Type: Mathematics CIP Code: GPA Credit: 1.000 Difficulty Level: Graduation Credit: 1.000 Max Capacity: *Starting Grade: 07 *Allowable Gender: Male Female *Ending Grade: 12 Honor Roll

*School Category: Elementary High School Middle School Unit School

GPA Method	Weight Add.	Weight Mult.	Inc. Weighted GPA	Inc. Unweighted GPA
Core GPA	0.000000	1.000000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Numeric	0.000000	1.000000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Standard	0.000000	1.000000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Additional Info

Course is Instructional Is State Reported Display On Report Card

Is Required Active Display on Course Request Matrix for Booker T. Washington High School

Instructional Setting: Teaching Method: Funding Method:

*Class Type: Standard

DL ACCESS - WBI
DL ACCESS VCI-Receive
DL ACCESS VCI-Send

OK Close

MACON COUNTY SCHOOL SYSTEM
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Mr. Theodore Samuel, President
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Mrs. Katy S. Campbell, Member
Ms. Mary Hooks, Member
Mr. Karey Thompson, Member

EQUAL EDUCATIONAL OPPORTUNITIES

The Macon County Public School System does not discriminate on the basis of sex, race, national origin, creed, age, marital status, or disability in its educational programs, activities, or employment policies as required by Title VI ABD, Title VII of the 1964 Civil Rights Act, Title IX of the 1972 Educational Amendments, Section 504 of the Federal Rehabilitation Act of 1973, and the American with Disabilities Act (ADA).

Inquiries regarding compliance with Title VI, Title IX, and Section 504 and ADA may be directed to the