

THE TUSCALOOSA COUNTY SCHOOL SYSTEM

BOARD OF EDUCATION

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Website

Please visit the Tuscaloosa County website at www.tcass.net.

Mission Statement

The Tuscaloosa County Board of Education is committed to meeting the educational needs of all students in a safe learning environment.

Equal Education and Employment Opportunity Statement

It is the policy of the Tuscaloosa County Board of Education that the school system shall place an equal emphasis upon the non-discriminatory provision of educational opportunities for students. No student shall be denied the benefits of any educational program or activity on the basis of race, color, disability, creed, national origin, age, sex, homeless status, marital status, non-English speaking ability, or migrant status. Programs offered by schools within the school system shall be open to all students in compliance with applicable outside agency guidelines, statutory and judicial requirements, and board policy.

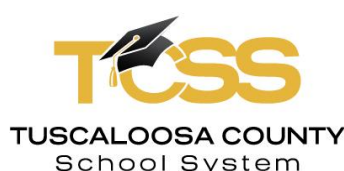
INFORMATION FOR STUDENTS AND PARENTS

It is the belief of the Tuscaloosa County School System that all students learn, grow, and achieve. Each student is valuable and important to our future; therefore, the educational success of each student is the focus of every effort of the Tuscaloosa County School System. Curriculum offerings in the Tuscaloosa County School System are designed to meet standards and guidelines established by the Alabama State Department of Education. Curriculum planning and student placement decisions reflect policies adopted by the Tuscaloosa County Board of Education. Parents are encouraged to consult the current *Parent-Student Information Guide*, school counselors, administrators, and teachers for information needed in planning course selections.

Questions from parents and students are always welcome.
 Contact your school building principal or counselor for answers to questions regarding concerns at the local school level.

OTHER CONTACTS FOR SECONDARY SCHOOL STUDENTS

Accountability, Guidance, and Transcripts..... Mrs. Gwen Harper—205-342-2739
 Assessment and Guidance.....Mrs. Cheryl Wallace—205-342-2743
 Attendance, Discipline, 504, and McKinney-Vento Mr. Gregory Hurst—205-342-2754
 Career and Technical EducationMrs. Jan Hudson—205-342-2744
 Course Catalog, Curriculum and InstructionDr. Amanda Cassity—205-342-2899
 Sexual HarassmentDr. Steve Benson—205-342-2711
 Special Education..... Dr. Patricia Powell—205-342-2775



COURSE SELECTION PROCESS

High school class schedules are based on a traditional bell schedule during the regular academic year. **Students will take core courses throughout the school year.** In addition, students select courses to earn the required number of credits for their chosen diploma. Teacher recommendations and standardized test scores determine student placement in the four academic areas. Teacher approval is required for several elective courses. Counselors and teachers meet with students to advise them about course offerings, prerequisites, and placement. **A signed Parent Override Form is required in order for a student to take a course against recommendation.** During the course selection process, students will select eight (8) to twelve (12) courses for the upcoming academic year. Students will select four (4) core courses (English, math, social studies, and science), four (4) elective courses, and a maximum of four (4) alternate courses. Schedules for the specific course and teacher are assigned by computer. Every effort is made to schedule each student into courses that reflect his or her first choice. **Students may not request to retake academic courses for which credit has already been awarded.** Course availability is affected by many factors: student demand, school enrollment, personnel availability, and funding constraints. **School personnel complete cards for students who fail to return course selection cards or whose cards are incomplete or incorrect.**

STUDENT SCHEDULE, SCHEDULE CHANGES AND FEES

Dates for early schedule pick-up will be announced in the local media. **To obtain a schedule during early schedule pick-up, the student must pay all fees required for courses selected.** During early schedule pick-up, no schedule may be obtained by a student until all monies owed to the school (lost textbooks, library fines, etc.) have been paid. Contact the school principal to discuss any difficulty with fee payments. The course selection process is made prior to the beginning of the school year and is the basis for master scheduling and staffing decisions at each school. For that reason, student requests for schedule changes are strongly discouraged and may be denied. Requests for schedule changes must be submitted during the first four days of the first semester. A fee of \$10.00 is required for any schedule change initiated by the student. No schedule changes will be made for courses taken by parent override against teacher recommendation.

ENROLLMENT REQUIREMENTS AND PROCEDURES

All students who seek to enroll in a school of the school system for the first time must present the following:

- Birth certificate
- Proof of residence
- Transcript or recent report card from last school attended
- Copy of immunization form
- Valid social security number
- Guardianship papers, if applicable
- Completed enrollment/transfer form
- Verification by the principal that the student is not currently suspended or expelled.

NOTE: Any student 17 years of age or older who has not registered within 5 school days of the beginning of a new semester will be denied admission. After 5 school days of the beginning of a new semester, a transfer student may not enroll in a class in which he or she was not already enrolled upon withdrawal from the transferring school.

VALIDATION OF CREDITS FROM NON-ACCREDITED SCHOOLS

Transcripts with grades, credits, and current nationally standardized test scores are reviewed to determine placement. Academic core courses (English, science, mathematics, and social studies) not supported by current nationally standardized test scores will be validated by comprehensive course exams coordinated through the Central Office. Elective credits may be transferred without validation. For any test failed, no credit will be transferred. [Administrative Code 290-3-1.02] Contact the Coordinator of Accountability, for more information.

NEWSLETTERS AND ANNOUNCEMENTS

Parents and students are encouraged to visit their school web sites in order to be informed of daily events, announcements, and opportunities. School web sites are listed under the heading *Our Schools*. Parents or students who have suggestions for information that should be added to the school web site should contact the principal.

PROMOTION/GRADE CLASSIFICATION

For students entering high school before the 2013-2014 school year, to be promoted from 9th grade to 10th grade, students must earn 5 credits. To be promoted from 10th grade to 11th grade, students must earn 12 credits. To be promoted from 11th grade to 12th grade, students must earn 20 credits. (See File JFAAC or IHE.)

For students who are first time 9th graders during the 2013-2014 school year, to be promoted from 9th grade to 10th grade, students must earn 6 credits. To be promoted from 10th grade to 11th grade, students must earn 13 credits. To be promoted from 11th grade to 12 grade, students must earn 20 credits.

CORRESPONDENCE/INDEPENDENT STUDY

Students in grades 9-12 may be approved to take correspondence or independent study courses for credit(s) offered through institutions recognized by the State Department of Education or from institutions accredited by a national accrediting agency recognized by the U.S. Office of Education. **Prior to enrolling in a correspondence/independent study course, the student must obtain written permission from his or her principal for each class.**

CREDIT RECOVERY

Credit Recovery: Eligible students who have received failing grades in courses that are required for graduation will be given the opportunity to recover the lost credit through a standards-based approach that will target specific knowledge and skill deficits instead of requiring students to repeat the entire course. In order to be accepted into the program, the student must

1. Have an overall average of 40 or higher in the course;
2. Not have lost credit due to violation of the non-compliance policy;
3. Complete an application signed by student and parent/guardian;
4. Provide his or her own transportation to the classes if applicable;
5. Pay course fee if applicable. (Fees are subject to change.)

Credit Recovery may be offered at some of the local high schools this summer. Students interested in participating in Credit Recovery should contact their school counselor.

Transfer students from non-SACS accredited schools who fail the validation tests with a score of 40-59 for any core courses are also eligible for Credit Recovery.

SUMMER SCHOOL

Failed courses in grades 9-12 may be retaken on a course-by-course basis. A student who does not pass course work may attend a State Department of Education approved summer school. **Prior to enrolling in a summer school course, the student must obtain written permission for each class from his or her principal.** The Tuscaloosa County School System will offer a summer school/credit recovery program in 2013. The fee for summer school/credit recovery is \$100.00.

ACCESS DISTANCE LEARNING

Online and Interactive Video Conferencing (IVC) course opportunities are available in high schools through ACCESS Distance Learning. Through the IVC labs students are able to access a variety of core and elective courses that may not be offered at their school locations. For more specific information, students should contact their school counselors or visit the ACCESS Distance Learning website at <http://accessdl.state.al.us/>. During the summer, the Tuscaloosa County School System will charge a fee of \$100 for each ACCESS course.

AHSGE PREPARATION

Alabama High School Graduation Exam preparation is available for seniors who have not passed all sections of the AHSGE. These services are offered throughout the school year and during the summer.

2013-2014 AHSGE Administration Dates

Summer AHSGE for Seniors and Former Students Only July 8-12, 2013
 Fall AHSGE for Seniors and Make-up Testing September 16-20, 2013
 Midyear AHSGE for Seniors Only December 2-6, 2013
 Spring AHSGE for All Eligible Students March 17-21, 2014
 Summer AHSGE for Seniors and Former Students Only July 7-11, 2014

After the Spring Administration of the AHSGE, seniors who have not passed all parts may be eligible to select the Alabama High School Diploma with Credit-Based Endorsement. Parent permission for selection of this diploma is required.

USATESTPREP

The Tuscaloosa County School System purchased a subscription to USATestprep. This web-based program is a great resource for students who are reviewing for the *Alabama High School Graduation Exam*. The steps for accessing the site are as follows:

1. Obtain your school's username and password from your counselor;
2. Type www.usatestprep.com as the web address;
3. In the upper right hand corner of the screen, click on *Member Login*;
4. Using all lower case letters, type your school's username;
5. Using all lower case letters, type your school's password;
6. Click on the **I AGREE** box beneath the login box;
7. View the home screen that appears after you log in;
8. At the top of the screen, click on the **AHSGE Tests** tab.
9. Click on the subject area that you wish to use and select activities.



CAREER CRUISING

Career-Cruising is web-based software available to all students in high schools and middle schools. Students can complete a personality inventory, research suggested careers, and investigate colleges, universities, and training programs all over the U.S. This is a great resource for parents and students to use to begin planning for what comes after high school. This software provides a simple and user-friendly tool for developing and printing resumes. By obtaining the unique student number and pin number from the school office, students can save their inventory results, high school plans, resumes, and college research. You may obtain your student number and pin from your school counselor. The web address is www.careercruising.com

ACT ONLINE PREP

Currently, the Alabama State Department of Education provides all high school students, free of charge, ACT's online prep program. This online service provides students with practice tests with real ACT test questions, practice essays for the new optional ACT Writing Test (with real-time scoring), comprehensive content review for each of the ACT's four required tests—English, Math, Reading, and Science, a diagnostic test and a personalized study plan. The website to access this program is www.actonlineprep.org. Further information may be obtained for your school.

INOW PARENT PORTAL

The STI HOME component of INOW is available for use by parents and students. The program is known as INOW Parent Portal. To use the program you must first obtain a user name and password, which will be sent home from the schools. To access the program, go to <https://inow.tcass.net/informationnow>. INOW Parent Portal can be accessed through any device with internet access, including smartphones and iPads. If your child's information is not available, please contact the school for assistance.

CONCURRENT COLLEGE ENROLLMENT

Dual Enrollment: Eligible students may enroll at post-secondary institutions in order to earn credits for a high school diploma and/or a post-secondary degree. Students must be in grade 11 or 12 or have an exception granted by the participating post-secondary institution upon the recommendation of the student's principal and superintendent and in accordance with Alabama Administrative Code 290-8-9-.17 regarding gifted and talented students. A student must have a 3.0 GPA to apply for academic coursework. A student who has an overall 2.5 GPA may enroll in technical programs. The college may use its discretion and enroll students who have a GPA less than 2.5, but not lower than 2.0, after a thorough review of each student's high school transcript has been conducted.

Courses approved for dual enrollment must either be those that are not offered on the high school campus or those that are appropriate substitutions for courses offered on the high school campus. Students must earn six hours of college credit (generally two courses) to earn one high school credit. **Prior approval is required for dual credit to be granted.** High school credit will be recorded on a student's transcript when the Central Office receives grades verifying that the student has earned six hours in the approved college courses. Weighted credit is not awarded for dual enrollment courses. Application forms are available in the high school's guidance office. Signed applications must be submitted to the Coordinator of Accountability at least three weeks prior to the start of the class. (Policy IDCAA OR JFCCLA)

2013-2014 Approved Dual Enrollment Courses Bevill State Community College/Tuscaloosa County School System Shelton State Community College/Tuscaloosa County School System

High School Course (1 credit)	College Course 1 of 2	College Course 2 of 2
Science Core Courses		
General Biology	BIO 101	BIO 102
Advanced Biology	BIO 103	BIO 104
Physical Science	CHM 104	CHM 105
General Chemistry	CHM 104	CHM 105
Chemistry	CHM 111	CHM 112
Physics	PHY 201	PHY 202
Mathematics Core Courses		
Pre-Calculus	MTH 112	MTH 113
Calculus	MTH 125	MTH 126
Social Studies Core Courses		
U.S. Government/Economics	ECO 231	POL 211
Elective Courses		
Required Computer Course	CIS 146	CIS elective
Required Fine Arts Course	6 hours in one of the following areas ART, THR, MUS, or MUP	
Psychology	PSY 220	PSY 225 or 230
Sociology	SOC 200	SOC 210 or 247
Career Technical Courses	6 hours in same approved program	

Early Admission/Early College: Opportunities exist for students who may benefit from enrollment in higher education institutions prior to graduation from high school. If approved for early admission, a student may enroll, with the permission of the principal, in college-level courses that provide enrichment or accelerated learning. In order to enroll in academic courses, the student must have an overall 3.0 GPA. The student receives only college credit for courses taken through the early admission program. Contact your school counselor for more information. (Policy JFHAA)

ADVANCED PLACEMENT AND PRE-AP COURSES

Advanced Placement (AP) and Pre-Advanced Placement (Pre-AP) coursework provides students with an opportunity for learning that goes beyond just the facts and figures. The rich course material, classroom discussions, and demanding assignments typical of AP and Pre-AP courses will help students develop the content mastery and critical thinking skills expected of college students. AP and Pre-AP courses help students improve their writing skills, sharpen problem-solving abilities, and develop time management skills. Additionally, by participating in AP, students have the opportunity to earn college credit and to stand out in the college admission process.

Students who choose Pre-AP and AP coursework can expect the following:

- Significantly increased rigor – content is covered much more extensively.
- Additional outside class responsibilities – increased homework, reading, research, study, and participation in study groups (which will meet outside school hours).
- Frequent writing assignments – essays, research papers, etc.
- Additional resources required – calculators, outside reading materials, etc.
- Testing in a timed AP format.
- AP testing fees – amount varies based on grant fund availability.
- Weighted GPA credit (1.0 point for AP courses and 0.5 point for Pre-AP). Students must take a comprehensive final exam in each Pre-AP course to receive the weighted credit and are required to take the National AP Exam developed by the College Board in each AP course to receive the weighted credit.
- Students who take year-long AP courses may not drop the class after the first semester.
- Students and parents should carefully weigh the unique demands of the Pre-AP and AP coursework with the student's demonstrated ability, extracurricular obligations, motivation, and work ethic to determine whether or not the Pre-AP/AP coursework is the right course choice. Additional information about the AP program can be found at www.collegeboard.org.

STANDARDIZED TESTS FOR COLLEGE AND CAREER READINESS

In addition to the *Alabama High School Graduation Exam (AHSGE)*, the Tuscaloosa County School System administers nationally recognized tests to help students benchmark their progress through high school so that they will be better prepared for their chosen careers and post-secondary studies.

Scantron's GlobalScholar – Performance Series

An exciting new assessment tool, Scantron's Performance Series, has recently been adopted to use as one of the tools to help identify each student's abilities. This test is not the standard bubble sheet from Scantron. Unlike other forms of assessment, Performance Series tests are completely computer-based and adjust to each student's ability level. The test adapts according to the student's response. Questions get easier when students answer incorrectly and get more challenging when students answer correctly. This individualizes every testing experience and more accurately measures each student's ability.

Immediate results provide information for teachers so they may adjust instruction to help students master important concepts. Educational materials are customized (based on the results for each student and group) which help teachers improve learning.

ACT's College and Career Readiness System

ACT's College and Career Readiness System – which includes EXPLORE, PLAN, QualityCore, the ACT, and WorkKeys – provides a longitudinal, systematic approach to educational and career planning, assessment, instructional support, and evaluation. The system focuses on the integrated, higher-order thinking skills students develop in grades K-12 that are important for success during and after high school.

EXPLORE

Students in the Tuscaloosa County School System take *EXPLORE* in October of their 8th grade year. The test is a part of ACT's college-career readiness program. The students receive results from a career interest inventory and academic achievement test scores. The scores are aligned with the 10th grade *PLAN* and the *ACT Assessment*. *EXPLORE* results should be utilized by students, teachers, and counselors when making course selections. Results from the *EXPLORE* are used by the high schools in making core course recommendations for rising 9th grade students.

PLAN

Students in the Tuscaloosa County School System take *PLAN* in October of their 10th grade year. The test is a part of ACT's college-career readiness program. The students receive results from a career interest inventory and academic achievement test scores. The scores are aligned with the 8th grade *EXPLORE* and the *ACT Assessment*. *PLAN* results should be utilized by students, teachers, and counselors when making course selections.

QUALITY CORE – End of Course Assessments

Students in the Tuscaloosa County School System will participate in end of course assessments called *QualityCore*. The results from the *QualityCore* assessments will assist teachers to raise the quality and intensity of high school core courses. *QualityCore* is a comprehensive program that includes six flexible components to better support the current curriculum and instructional methods. Those six components are rigorous ACT course standards, instructional resources, formative item pool, benchmark assessments, end-of-course (EOC) assessments, and professional development. Reports for EOC assessments provide local and state comparisons of students' performance within each course, as well as an evaluation of students' progress toward college readiness unique to each course. The *QualityCore* assessment score reports also include estimated student scores on the *PLAN/ACT* assessments, which help teachers and students evaluate progress toward college and career readiness.



ACT

The ACT assessment contains four curriculum-based tests that measure academic achievement in English, mathematics, reading, and science reasoning. A writing test is an additional component of the ACT. The assessment measures academic development based upon a student's skills in applying content knowledge and reasoning skills acquired in his or her course work. For college admission, students should begin taking the ACT Assessment in the spring semester of the junior year. Beginning in 2013-2014, all juniors will be required to take the ACT Assessment in April. This will provide all students one opportunity to test at their local school free of charge. More information, including additional testing dates and sample test questions, can be found at www.act.org.

PSAT

The Preliminary SAT (PSAT) is the National Merit Scholarship Qualifying Test (NMSQT). The PSAT is a standardized test that measures critical reading skills, math problem-solving skills, and writing skills. These are skills developed over many years, both in and out of school. This test does not require students to recall specific facts from classes. By taking the PSAT, students can become familiar with the SAT and see how their scores on a college entrance exam compare nationally with other students applying to college. Most importantly, the PSAT is the National Merit Scholarship Qualifying Test. Students in grades eight, nine, through ten may take the test for practice. Students must test during their junior year to be considered for National Merit Scholarships. Being selected as a National Merit Scholar is one of the highest academic honors that a student may earn. The national test date for the 2013-2014 school year is Wednesday, October 16, 2013. Students must register with their school counselors at least six weeks prior to the test date. Payment is required at the time the student registers for the test. More information about PSAT/NMSQT, including sample test questions, can be found at www.collegeboard.org.

NONCOMPLIANCE OF ATTENDANCE AND LOSS OF CREDIT

Students enrolled in grades nine through twelve who are absent from one (1) or more one (1) credit courses for fifteen (15) consecutive days for unexcused reasons or twenty (20) days total for unexcused reasons during a year will be denied credit for the course(s) in which the unexcused absences have occurred. These students will receive a Noncompliance Attendance (NCA) on all records. Students will receive zero (0) quality point for a NCA. The zero (0) will be averaged in to the overall GPA.

Students enrolled in grades nine through twelve who are absent from one (1) or more one-half (0.5) credit courses for eight (8) consecutive days for unexcused reasons or ten (10) days total for unexcused reasons during a year will be denied credit for the course(s) in which the unexcused absences have occurred. These students will receive a Noncompliance Attendance (NCA) on all records. Students will receive zero (0) quality point for a NCA. The zero (0) will be averaged in to the overall GPA.

Further, students seventeen (17) years or older will be withdrawn from school for the remainder of the term if they are absent from school ten (10) consecutive days for unexcused reasons or fifteen (15) days total for unexcused reasons during a term. An exception may be made for a special education student in an Individualized Education Plan (IEP) meeting

An appeal may be made in writing to the local school principal within three (3) days from the date of notification of the loss of credit. The decision of the local school principal may be appealed to the superintendent or his or her designee in writing within three (3) days after the hearing at the local school.

STUDENT ABSENCES AND PARTICIPATION IN SCHOOL ACTIVITIES

Students who are away from school because of participation in official school sponsored activities will be marked present and allowed to make up missed work. Students who are absent from school for an excused or unexcused reason will **not** participate in any school extracurricular or co-curricular activities that day (athletic contest, cheerleading, band, scholars' bowl, beauty walk, etc.).

ELIGIBILITY FOR PARTICIPATION IN EXTRA-CURRICULAR ACTIVITIES

The Tuscaloosa County Board of Education recognizes the value of athletics and other extra-curricular activities as they relate to the total education of students. The Tuscaloosa County Board of Education also recognizes and supports high academic standards and the necessity of developing a framework to assess annually the progress of each student who participates in athletics or extra-curricular activities toward graduating from high school on schedule with his or her class. The Tuscaloosa County Board of Education prescribes the following regulations for eligibility by students in this school system to participate in athletics and/or extra-curricular activities:

1. Extra-curricular activities associated with athletics are defined as those recognized and sanctioned by the Alabama High School Athletic Association, and other extra-curricular activities are defined as those that are sanctioned by a public school which are not related to a student's academic requirements or success in a course.
2. Regular curricular activities are defined as those that are required for satisfactory course completion.
3. Students entering grades 10-12 must, for the last two (2) terms of attendance and summer school (if applicable), have a passing grade and earn the appropriate number of credits in each of six (6) subjects that total six (6) units of credit, including four (4) credits from the four (4) core subjects composed of English, science, social studies, and mathematics with a composite numerical average of 70. Students entering grade 9 must, for the last two terms of attendance and summer school, if applicable, have a passing grade in five (5) subjects with a composite numerical average of 70. (A term is defined as one-half of a school year as defined by the local board of education adopted school year calendar.)
4. Physical education may count as only one (1) unit per year.
5. No more than two (2) units may be earned during summer school. If a unit(s) or subject(s) is (are) repeated in summer school, the higher numerical grade for the unit or subject(s) may be used to compute the composite grade average for eligibility determination purposes only. (This does not affect the student's overall GPA.)
6. Students deemed ineligible at the beginning of the school year by virtue of having failed to meet the requirements of eligibility may regain their eligibility in the two most recently completed terms, including summer school. Eligibility restoration must be determined no later than five (5) days after the beginning of the succeeding term.
7. An ineligible student may not become eligible after the fifth day of each term. Bona fide transfers may be handled according to rules of the Alabama High School Athletic Association for sports and rules developed by the local board of education as they pertain to other extra-curricular activities.
8. Each eligible student must have a minimum composite numerical average of 70 on six (6) units from the preceding year, including summer school. Summer school work passed may substitute for regular schoolwork repeated in computing the 70 average for eligibility purposes.
9. Each eligible student involved in athletics must meet the definition of a regular student as defined by the Alabama High School Athletic Association.
10. Any student who earns more than four (4) credits in the core curriculum in any given year or who accumulates a total in excess of the required four (4) per year may be exempt from earning the four (4) core courses in the succeeding year as long as that student remains on track for graduation with his or her class.
11. School sponsors are required to submit a request for each curricular activity that occurs outside the regular school day and/or school to the principal, superintendent, and the local board of education for approval.
12. Each request for full participation by all students, regardless of academic standing, in a curricular activity shall be granted if the principal, superintendent, and the local board of education approve participation in the activity as an extension of a course(s) requirement(s) and it is an event sanctioned by a state/national subject matter association.
13. Notwithstanding anything to the contrary in this regulation, activities offered by the school through mathematics, science, band, choral music, and other courses at events such as athletic events (pre-game, game, halftime, or other breaks) club conventions, parades, amusement park trips and competitions, trips by tour companies, performances at various meetings, etc., are extra-curricular, and students academically ineligible under this policy shall not be allowed to participate.



GRADUATION REQUIREMENTS FOR GRADUATING CLASSES OF 2014-2016

UPON COMPLETION OF HIGH SCHOOL, THE TYPE OF DIPLOMA OR CERTIFICATE A STUDENT CAN RECEIVE IS DEPENDENT UPON HIS OR HER SUCCESSFUL COMPLETION OF THE REQUIRED NUMBER OF CARNEGIE UNITS. FOR THE GRADUATING CLASS OF 2014, IN ADDITION TO THE REQUIRED NUMBER OF CARNEGIE UNITS, STUDENTS MUST ALSO ACHIEVE A PASSING SCORE ON REQUIRED SECTIONS OF THE ALABAMA HIGH SCHOOL GRADUATION EXAM (AHSGE). **ALL REQUIREMENTS MUST BE MET FOR PARTICIPATION IN THE GRADUATION CEREMONY.** POST-SECONDARY INSTITUTIONS HAVE VARYING ENTRANCE REQUIREMENTS; THEREFORE, IT IS THE RESPONSIBILITY OF THE STUDENT TO DETERMINE FROM THE SPECIFIC POST-SECONDARY INSTITUTIONS THE APPROPRIATE HIGH SCHOOL COURSES NEEDED. STUDENTS ARE ENCOURAGED TO CONSULT SCHOOL ADMINISTRATORS, GUIDANCE COUNSELORS, TEACHERS, AND POST-SECONDARY INSTITUTIONS TO DETERMINE BEST COURSE SELECTIONS. ALL STUDENTS EARNING A HIGH SCHOOL DIPLOMA IN THE TUSCALOOSA COUNTY SCHOOL SYSTEM MUST HAVE A MINIMUM OF 28 UNITS. **THE IMPLEMENTATION OF THE 2010 MATHEMATICS COURSE OF STUDY DURING THE 2012-2013 SCHOOL YEAR, AFFECTS THE MATH REQUIREMENTS FOR GRADUATION FOR STUDENTS IN THE GRADUATING CLASS OF 2016 (STUDENTS WHO ENTERED NINTH GRADE FOR THE FIRST TIME DURING 2012-2013 SCHOOL YEAR).**

<p>COURSE REQUIREMENTS</p> <p>STUDENTS MUST EARN FOUR CREDITS IN EACH OF THE FOUR CORE SUBJECT AREAS.</p>	<p>ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT</p> <p>FIRST CHOICE DIPLOMA</p> <p>*STUDENTS MAY RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED CAREER/TECHNICAL EDUCATION (CTE) ENDORSEMENT. STUDENTS MUST FULFILL ALL REQUIREMENTS FOR THE ADVANCED ACADEMIC ENDORSEMENT (EXCLUDING FOREIGN LANGUAGE) IN ADDITION TO THE CAREER/TECHNICAL EDUCATION ENDORSEMENT (CTE) REQUIREMENTS.</p>	<p>ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT WITH HONORS</p> <p>*STUDENTS MAY RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED CAREER/TECHNICAL EDUCATION ENDORSEMENT WITH HONORS. STUDENTS MUST FULFILL ALL REQUIREMENTS FOR THE HONORS ENDORSEMENT IN ADDITION TO THE CAREER/TECHNICAL EDUCATION ENDORSEMENT REQUIREMENTS.</p>	<p>ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT WITH HIGH HONORS</p> <p>MINIMUM REQUIREMENTS FOR THE ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT WITH HIGH HONORS ARE THE SAME AS THOSE REQUIRED FOR THE ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT WITH HONORS AND MUST INCLUDE AT LEAST TWO (2) CREDITS OF ADVANCED PLACEMENT.</p> <p>*STUDENTS MAY RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED CAREER/TECHNICAL EDUCATION ENDORSEMENT WITH HIGH HONORS. STUDENTS MUST FULFILL ALL REQUIREMENTS FOR THE HIGH HONORS ENDORSEMENT IN ADDITION TO THE CAREER/TECH ENDORSEMENT REQUIREMENTS.</p>	<p>ALABAMA HIGH SCHOOL DIPLOMA</p> <p>THOSE STUDENTS WHO FEEL THAT THE FIRST CHOICE DIPLOMA IS NOT THE MOST APPROPRIATE DIPLOMA CHOICE TO MEET THEIR INDIVIDUAL ACADEMIC AND LEARNING NEEDS MAY CHOOSE TO PURSUE THE ALABAMA HIGH SCHOOL DIPLOMA OPTION. PARENTAL PERMISSION IS REQUIRED FOR STUDENTS TO OPT OUT OF THE ALABAMA HIGH SCHOOL DIPLOMA WITH ADVANCED ACADEMIC ENDORSEMENT (FIRST CHOICE DIPLOMA OPTION).</p> <p>*STUDENTS MAY RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA WITH CAREER/TECHNICAL EDUCATION (CTE) ENDORSEMENT. STUDENTS MUST FULFILL ALL REQUIREMENTS FOR THE ALABAMA HIGH SCHOOL DIPLOMA IN ADDITION TO THE CAREER/TECHNICAL EDUCATION (CTE) ENDORSEMENT REQUIREMENTS.</p>	<p>ALABAMA OCCUPATIONAL DIPLOMA</p> <p>THE ALABAMA OCCUPATIONAL DIPLOMA OPTION IS DESIGNED FOR STUDENTS IN THE GRADUATING CLASS OF 2014 (STUDENTS WHO ENTERED THE NINTH GRADE FOR THE FIRST TIME DURING THE 2010-2011 SCHOOL YEAR) WITH MILD TO MODERATE DISABILITIES WHO, IN THE OPINION OF THE IEP COMMITTEE, ARE APPROPRIATE CANDIDATES. THIS OPTION PROVIDES FOR MEANINGFUL INCLUSION OF STUDENTS WITH DISABILITIES IN THE COMMUNITY AND THE WORKPLACE. STUDENTS MUST EARN THE COURSE CREDITS DESCRIBED BELOW IN ORDER TO BE AWARDED THE ALABAMA OCCUPATIONAL DIPLOMA.</p>
ENGLISH	ENGLISH – 9, 10, 11, AND 12	HIGHEST LEVEL OR AP ENGLISH – 9, 10, 11, AND 12		ENGLISH – 9, 10, 11, AND 12	EMPLOYMENT ENGLISH – 1, 2, 3, AND 4
MATHEMATICS	MUST INCLUDE ALGEBRA I OR EQUIVALENT, GEOMETRY OR EQUIVALENT, AND ALGEBRA II W/ TRIG. POSSIBLE OPTIONS INCLUDE, BUT NOT LIMITED TO: OPTION 1 - ALGEBRA IA, ALGEBRA IB, GEOMETRY A, GEOMETRY B, AND ALGEBRA II W/ TRIG OPTION 2 - ALGEBRA IA, ALGEBRA IB, GEOMETRY, AND ALGEBRA II W/ TRIG OPTION 3 - ALGEBRA I, GEOMETRY A, GEOMETRY B, AND ALGEBRA II W/ TRIG OPTION 4 - ALGEBRA I, GEOMETRY, ALGEBRAIC CONNECTIONS, AND ALGEBRA II W/ TRIG OPTION 5 - ALGEBRA I, GEOMETRY, ALGEBRA II W/ TRIG, AND MATHEMATICAL INVESTIGATIONS OPTION 6 - ALGEBRA I, GEOMETRY, ALGEBRA II W/ TRIG, AND DISCRETE MATH OPTION 7 - ALGEBRA I, GEOMETRY, ALGEBRA II W/ TRIG, AND ANALYTICAL MATH OPTION 8 - ALGEBRA I, GEOMETRY, ALGEBRA II W/ TRIG, AND PRE-CALCULUS	ALGEBRA I OR EQUIVALENT GEOMETRY OR EQUIVALENT ALGEBRA II W/ TRIG PRE-CALCULUS OR ANALYTICAL MATH		POSSIBLE OPTIONS INCLUDE, BUT NOT LIMITED TO: OPTION 1 - ALGEBRA IA, ALGEBRA IB, GEOMETRY A, GEOMETRY B, AND ALGEBRA II** OPTION 2 - ALGEBRA IA, ALGEBRA IB, GEOMETRY, AND 1 ADDITIONAL MATH CREDIT** OPTION 3 - ALGEBRA I, GEOMETRY A, GEOMETRY B, AND 1 ADDITIONAL MATH CREDIT** OPTION 4 - ALGEBRA I, GEOMETRY, ALGEBRAIC CONNECTIONS, AND ALGEBRA II OPTION 5 - ALGEBRA I, GEOMETRY, AND 2 ADDITIONAL MATH CREDITS** **FOR CLASS OF 2016 (STUDENTS WHO ENTERED THE NINTH GRADE FOR THE FIRST TIME DURING THE 2012-2013 SCHOOL YEAR), ALGEBRA II IS REQUIRED. REMINDER: ALGEBRAIC CONNECTIONS MUST BE TAKEN PRIOR TO ALGEBRA II	ESSENTIAL MATHEMATICS 1 AND 2 ALGEBRAIC EXPLORATION 1 AND 2
SCIENCE	BIOLOGY A PHYSICAL SCIENCE 2 ADDITIONAL SCIENCES	CLASS OF 2014 - ADVANCED BIOLOGY, ADVANCED CHEMISTRY, PHYSICS, AND 1 ADDITIONAL ADVANCED OR AP SCIENCE UNIT CLASS OF 2015 - ADVANCED OR HONORS/PRE-AP OF THE FOLLOWING: BIOLOGY, CHEMISTRY, AND PHYSICS; AND 1 ADDITIONAL ADVANCED OR AP SCIENCE CLASS OF 2016 - ADVANCED OR HONORS/PRE-AP OF THE FOLLOWING: BIOLOGY AND CHEMISTRY; AND 2 ADDITIONAL ADVANCED, HONORS/PRE-AP, OR AP SCIENCE CREDITS		BIOLOGY A PHYSICAL SCIENCE 2 ADDITIONAL SCIENCES	LIFE SKILLS SCIENCE 1, 2, 3, AND 4
SOCIAL STUDIES	WORLD HISTORY SINCE 1500, U.S. HISTORY TO 1877, U.S. HISTORY SINCE 1877, U.S. GOVERNMENT, AND ECONOMICS	(ADVANCED OR HONORS/PRE-AP LEVELS) WORLD HISTORY SINCE 1500, U.S. HISTORY TO 1877, U.S. HISTORY SINCE 1877 OR AP U.S. HISTORY, U.S. GOVERNMENT, AND ECONOMICS OR AP U.S. GOVERNMENT AND POLITICS		WORLD HISTORY SINCE 1500 U.S. HISTORY TO 1877 U.S. HISTORY SINCE 1877 U.S. GOVERNMENT ECONOMICS	SOCIAL STUDIES FOR LIFE 1, 2, 3, AND 4
FINE ARTS	½ OR 1 CREDIT	½ OR 1 CREDIT		½ OR 1 CREDIT	½ OR 1 UNIT CREDIT
HEALTH	½ OR 1 CREDIT	½ OR 1 CREDIT		½ OR 1 CREDIT	½ OR 1 UNIT CREDIT
COMPUTER	½ OR 1 CREDIT	½ OR 1 CREDIT		½ OR 1 CREDIT	1 UNIT CREDIT
FOREIGN LANGUAGE	*2 CREDITS OF SAME LANGUAGE (SEE CTE ENDORSEMENT EXCLUSION)	2 CREDITS OF SAME LANGUAGE		NA	NA
*CTE ENDORSEMENT REQUIREMENTS AOD CTE REQUIREMENTS	*3 CAREER/TECH PROGRAM COURSES (2 CAREER/ TECH PROGRAM COURSES AND ANOTHER COURSE RELATED TO THE STUDENT'S CAREER CHOICE)	*3 CAREER/TECH PROGRAM COURSES (2 CAREER/ TECH PROGRAM COURSES AND ANOTHER COURSE RELATED TO THE STUDENT'S CAREER CHOICE)		*3 CAREER/TECH PROGRAM COURSES (2 CREDITS IN AN OCCUPATIONAL PROGRAM PLUS THE ADVANCED COOPERATIVE EDUCATION WORK-BASED EXPERIENCE)	CAREER/TECHNICAL EDUCATION - 2 (INCLUDES BTA) WORKFORCE ESSENTIALS - 1 COOPERATIVE EDUCATION SEMINAR - 1
LIFE	1 CREDIT	1 CREDIT		1 CREDIT	1 CREDIT
ELECTIVES	REMAINING CREDIT	REMAINING CREDITS		REMAINING CREDITS	REMAINING CREDITS
TOTAL	28 CREDIT	28 CREDITS		28 CREDITS	28 CREDITS
ALABAMA HIGH SCHOOL DIPLOMA USING ALTERNATE REQUIREMENTS	USING ALTERNATE REQUIREMENTS, A STANDARD DIPLOMA MAY BE ISSUED TO ANY STUDENT WITH A DISABILITY AS DEFINED BY THE <i>INDIVIDUALS WITH DISABILITIES EDUCATION ACT</i> (IDEA) WHO HAS TAKEN THE AHSGE THROUGH THE TWELFTH GRADE, HAS PASSED ALL EXCEPT ONE SUBJECT-AREA TEST OF THE AHSGE, AND HAS MET ALL OTHER GRADUATION REQUIREMENTS. DOCUMENTATION OF ALTERNATE REQUIREMENTS MUST INCLUDE EVIDENCE OF HAVING EARNED ALL REQUIRED CREDITS FOR GRADUATION, OF POSSESSING A DISABILITY IN THE AREA WHERE A SUBJECT-AREA TEST OF THE AHSGE HAS NOT BEEN PASSED, OF HAVING PARTICIPATED IN AHSGE REMEDIATION, OF HAVING FULFILLED ATTENDANCE REQUIREMENTS, AND OF HAVING ACQUIRED A CUMULATIVE C AVERAGE IN GRADES NINE-TWELVE. MINIMUM REQUIREMENTS FOR THE ALABAMA HIGH SCHOOL DIPLOMA ARE LISTED ABOVE.				
ALABAMA HIGH SCHOOL DIPLOMA WITH CREDIT-BASED ENDORSEMENT	FOLLOWING THE SPRING ADMINISTRATION OF THE AHSGE, SENIORS WHO EARN THE REQUIRED CARNEGIE UNITS (CREDITS) FOR GRADUATION AND PASS AT LEAST THREE OF THE FIVE SECTIONS OF THE AHSGE, WITH MATHEMATICS AND READING BEING TWO OF THE THREE SECTIONS, MAY CHOOSE THE ALABAMA HIGH SCHOOL DIPLOMA WITH CREDIT-BASED ENDORSEMENT. IT WILL SERVE AS THE FINAL ENDORSEMENT TO THE ALABAMA HIGH SCHOOL DIPLOMA. A STUDENT CANNOT DECIDE AFTER PASSING THREE OF THE SUBJECT TESTS THAT HE/SHE WILL NOT CONTINUE TO TAKE THE OTHER TWO. ANY SENIOR WHO HAS NOT PASSED ALL PARTS OF THE AHSGE PRIOR TO THE FALL ADMINISTRATION IS REQUIRED TO TAKE AN AHSGE REVIEW CLASS. A CREDIT-BASED ENDORSEMENT REQUEST FORM MUST BE COMPLETED AND SIGNED BY THE GRADUATING SENIOR AND THE PARENT OR GUARDIAN AND SUBMITTED TO THE HIGH SCHOOL COUNSELOR IN ORDER TO RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA WITH THE CREDIT-BASED ENDORSEMENT. ANY STUDENT WITH A DISABILITY AS DEFINED BY THE <i>INDIVIDUALS WITH DISABILITIES EDUCATION ACT</i> WHO HAS TAKEN ALL SECTIONS OF THE AHSGE THROUGH THE TWELFTH GRADE CAN SUBSTITUTE ANOTHER AREA OF THE AHSGE IN LIEU OF THE READING OR MATHEMATICS IF THE STUDENT QUALIFIES FOR THE EXEMPTION BASED ON THE ESTABLISHED DISABILITY. DOCUMENTATION MUST INCLUDE EVIDENCE THAT THE STUDENT POSSESSES A DISABILITY IN THE AREA IN WHICH A SUBJECT-AREA TEST OF THE AHSGE HAS NOT BEEN PASSED. THE <i>ALABAMA ADMINISTRATIVE CODE</i> MANDATES THAT STUDENTS WHO EARN A CREDIT-BASED ENDORSEMENT MUST HAVE ONE CREDIT IN A CAREER/TECHNICAL COURSE.				
GRADUATION CERTIFICATE	BASED ON THE STATE BOARD OF EDUCATION'S MANDATE REQUIRING STUDENTS TO PASS ALL REQUIRED SECTIONS OF THE AHSGE AND EARN THE REQUIRED CARNEGIE UNITS TO RECEIVE A STATE-APPROVED DIPLOMA, THE BOARD AUTHORIZES THE ISSUANCE OF A GRADUATION CERTIFICATE BASED ON THE FOLLOWING PROVISIONS: SPECIAL EDUCATION STUDENTS , WITH THE EXCEPTION OF THE GIFTED, SHALL FOLLOW THE OBJECTIVES ESTABLISHED FOR THEM AT THE ANNUAL IEP MEETING BY THE IEP COMMITTEE IN REFERENCE TO THE AHSGE. IF THE COMMITTEE, AFTER EXAMINING ALL PERTINENT DATA, DECIDES THAT THE STUDENT IS NOT CAPABLE OF ATTEMPTING AND/OR PASSING THE AHSGE, AND THAT HIS OR HER TIME SHOULD BE DIRECTED TOWARD OTHER OBJECTIVES, THEN THE SENIOR STUDENT WILL BE ISSUED THE GRADUATION CERTIFICATE INSTEAD OF THE STATE-APPROVED DIPLOMA FOR HAVING PURSUED THOSE GOALS ESTABLISHED BY THE IEP COMMITTEE. THE STUDENT WILL HAVE THE SAME OPPORTUNITIES TO PARTICIPATE IN ALL OTHER ACTIVITIES ASSOCIATED WITH GRADUATION FROM HIGH SCHOOL. IF THE IEP COMMITTEE, AFTER REVIEWING ALL PERTINENT DATA, DECIDES THAT THE STUDENT SHOULD ATTEMPT THE AHSGE, THEN HE OR SHE WILL RECEIVE THE SAME OPPORTUNITIES, INCLUDING REMEDIATION, AS ANY OTHER STUDENT TAKING THE AHSGE. AFTER UNSUCCESSFULLY ATTEMPTING THE AHSGE, THE STUDENT MAY ELECT TO RECEIVE THE GRADUATION CERTIFICATE IN LIEU OF A DIPLOMA AND PROCEED THROUGH THE GRADUATION CEREMONY. THE GRADUATION CERTIFICATE IS AVAILABLE TO STUDENTS WITH DISABILITIES AS DEFINED UNDER IDEA. IT CERTIFIES COMPLETION OF AN INDIVIDUALIZED EDUCATION PROGRAM. A STUDENT WHO RECEIVES A GRADUATION CERTIFICATE MAY CONTINUE TO WORK TOWARD THE ALABAMA HIGH SCHOOL DIPLOMA OR THE ALABAMA OCCUPATIONAL DIPLOMA TO AGE 21 WITH IDEA SERVICES. THE GRADUATION CERTIFICATE IS NOT GENERALLY ACCEPTED BY POST-SECONDARY INSTITUTIONS OR MILITARY RECRUITERS AND MAY NOT BE ACCEPTED BY SOME EMPLOYERS.				

GRADUATION REQUIREMENTS FOR GRADUATING CLASS OF 2017

(STUDENTS ENTERING THE NINTH GRADE FOR THE FIRST TIME DURING THE 2013-2014 SCHOOL YEAR)

UPON COMPLETION OF HIGH SCHOOL, THE DIPLOMA A STUDENT RECEIVES IS DEPENDENT UPON HIS OR HER SUCCESSFUL COMPLETION OF THE REQUIRED NUMBER OF CARNEGIE UNITS. ALL REQUIREMENTS MUST BE MET FOR PARTICIPATION IN THE GRADUATION CEREMONY. THE FOCUS WILL BE ON THE COURSEWORK TAKEN THAT NECESSITATES A CLEARLY ARTICULATED AND INDIVIDUALIZED FOUR-YEAR PLAN BUILT FOR EACH STUDENT BASED ON THE RESULTS FROM THE EXPLORE ACADEMIC AND CAREER INTEREST ASSESSMENT AND MIDDLE SCHOOL COURSEWORK. POST-SECONDARY INSTITUTIONS HAVE VARYING ENTRANCE REQUIREMENTS; THEREFORE, IT IS THE RESPONSIBILITY OF THE STUDENT TO DETERMINE FROM THE SPECIFIC POST-SECONDARY INSTITUTIONS THE APPROPRIATE HIGH SCHOOL COURSES NEEDED. STUDENTS ARE ENCOURAGED TO CONSULT SCHOOL ADMINISTRATORS, GUIDANCE COUNSELORS, TEACHERS, AND POST-SECONDARY INSTITUTIONS TO DETERMINE BEST COURSE SELECTIONS. ALL STUDENTS EARNING A HIGH SCHOOL DIPLOMA IN THE TUSCALOOSA COUNTY SCHOOL SYSTEM MUST HAVE A MINIMUM OF 28 UNITS.

COURSES	REQUIREMENTS TO RECEIVE AN ALABAMA HIGH SCHOOL DIPLOMA	CREDITS	REQUIREMENTS TO RECEIVE ACADEMIC DISTINCTION TO THE ALABAMA HIGH SCHOOL DIPLOMA	CREDITS
ENGLISH LANGUAGE ARTS	ENGLISH 9, 10, 11, AND 12 OR *ENGLISH ESSENTIALS 9, 10, 11, AND 12 OR **AAS ENGLISH 9, 10, 11, AND 12	4	HIGHEST LEVEL OR AP ENGLISH	4
MATHEMATICS NOTE: STUDENTS EARNING A CREDIT FOR ALGEBRA I IN THE 8 TH GRADE ARE REQUIRED TO EARN FOUR MATHEMATICS CREDITS IN GRADES 9-12.	ALGEBRA I, GEOMETRY, AND ALGEBRA II WITH TRIG OR ALGEBRA II OR THEIR EQUIVALENT. ADDITIONAL COURSE(S) TO COMPLETE THE FOUR CREDITS IN MATHEMATICS MUST BE CHOSEN FROM THE ALABAMA COURSE OF STUDY MATHEMATICS OR CTE EQUIVALENT COURSES. OR *ALGEBRAIC ESSENTIALS A & B, GEOMETRY ESSENTIALS A & B (STUDENTS TAKING ALGEBRAIC CONCEPTS IN GRADE 9 ARE NOT REQUIRED TO TAKE GEOMETRY B), AND AN ALGEBRA II EQUIVALENT OR **AAS MATHEMATICS 9, 10, 11, AND 12.	4	ALGEBRA I OR EQUIVALENT ADVANCED OR HONORS/PRE-AP GEOMETRY ALGEBRA II W/ TRIG PRE-CALCULUS OR ANALYTICAL MATH OR HIGHER	4
SCIENCE	BIOLOGY AND A PHYSICAL SCIENCE. THE THIRD AND FOURTH SCIENCE CREDITS MAY BE USED TO MEET BOTH THE SCIENCE AND CTE REQUIREMENT AND MUST BE CHOSEN FROM THE ALABAMA COURSE OF STUDY: SCIENCE OR CTE EQUIVALENT COURSES. OR *LIFE SKILLS SCIENCE I, II, III, AND IV OR **AAS SCIENCE 9, 10, 11, AND 12	4	ADVANCED OR HONORS/PRE-AP OF THE FOLLOWING: BIOLOGY AND CHEMISTRY; AND 2 ADDITIONAL ADVANCED, HONORS/PRE-AP, OR AP SCIENCE CREDITS	4
SOCIAL STUDIES	WORLD HISTORY, U.S. HISTORY X 2, AND GOVERNMENT/ECONOMICS OR AP/IB/DUAL ENROLLMENT EQUIVALENT COURSES. OR *WORLD HISTORY FOR LIVING, U.S. HISTORY FOR LIVING 10, U.S. HISTORY FOR LIVING 11, AND ECONOMICS FOR LIVING/U.S. GOVERNMENT FOR LIVING OR **AAS SOCIAL STUDIES 9, 10, 11, AND 12	4	(ADVANCED OR HONORS/PRE-AP LEVELS) WORLD HISTORY SINCE 1500, U.S. HISTORY TO 1877, U.S. HISTORY SINCE 1877 OR AP U.S. HISTORY, AND U.S. GOVERNMENT AND ECONOMICS OR AP U.S. GOVERNMENT AND POLITICS	4
PHYSICAL EDUCATION	LIFE (PERSONAL FITNESS) ONE JROTC CREDIT MAY BE USED TO MEET THIS REQUIREMENT. OR ADAPTED PHYSICAL EDUCATION	1	LIFE (PERSONAL FITNESS) ONE JROTC CREDIT MAY BE USED TO MEET THIS REQUIREMENT. OR ADAPTED PHYSICAL EDUCATION	1
HEALTH EDUCATION	ALABAMA COURSE OF STUDY: HEALTH EDUCATION OR **AAS VOCATIONAL, AAS COMMUNITY BASED INSTRUCTION, AND/OR AAS ELECTIVE COURSE	0.5	ALABAMA COURSE OF STUDY: HEALTH EDUCATION	0.5
CAREER PREPAREDNESS	CAREER PREPAREDNESS COURSE (CAREER AND ACADEMIC PLANNING, COMPUTER APPLICATIONS, FINANCIAL LITERACY) OR **AAS LIFE SKILLS	1	CAREER PREPAREDNESS COURSE (CAREER AND ACADEMIC PLANNING, COMPUTER APPLICATIONS, FINANCIAL LITERACY)	1
CTE AND/OR FOREIGN LANGUAGE AND/OR ARTS EDUCATION	STUDENTS CHOOSING CTE, ARTS EDUCATION, AND/OR FOREIGN LANGUAGE ARE ENCOURAGED TO COMPLETE TWO COURSES IN SEQUENCE. OR *TWO CTE COURSES AND WORKFORCE ESSENTIALS (OR TRANSITION SERVICES II IN SCHOOL SYSTEMS THAT DO NOT OFFER WORKFORCE ESSENTIALS). OR **AAS LIFE SKILLS	3	STUDENTS WILL BE REQUIRED TO CHOOSE ONE FOREIGN LANGUAGE. STUDENTS CHOOSING CTE, ARTS EDUCATION, AND/OR FOREIGN LANGUAGE ARE ENCOURAGED TO COMPLETE TWO COURSES IN SEQUENCE.	3 NOTE: ONE OF THE THREE CREDITS MUST BE A FOREIGN LANGUAGE
ELECTIVES	*STUDENTS EARNING CORE CREDIT THROUGH THE ESSENTIALS/LIFE SKILLS COURSES ARE REQUIRED TO TAKE COOPERATIVE EDUCATION SEMINAR/WORK-BASED EXPERIENCE (OR LS OCCUPATIONAL PREPARATION IN SCHOOL SYSTEMS THAT DO NOT HAVE A COOPERATIVE EDUCATION PROGRAM). **AAS VOCATIONAL, AAS COMMUNITY BASED INSTRUCTION, AND/OR AAS ELECTIVE COURSE.	REMAINING CREDITS		REMAINING CREDITS
TOTAL CREDITS REQUIRED FOR GRADUATION		28		28

* Course sequence for students with disabilities earning core credit through the Essentials/Life Skills courses.

** Course sequence for students with significant cognitive disabilities earning core credit through Alternate Achievement

FOUR-YEAR SCHEDULE PLANNING CHART

COURSE	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH				
MATHEMATICS				
SOCIAL STUDIES				
SCIENCE				
FINE ART				
PHYSICAL EDUCATION/LIFE				
BTA/CAREER PREPAREDNESS				
HEALTH/SAFETY				
FOREIGN LANGUAGE				
ELECTIVE				
ELECTIVE				
ELECTIVE				

CAREER CLUSTERS

Alabama's Career and Technical Education program is representative of the national career and technical education model. The national model includes sixteen career clusters. Career clusters in Alabama's curriculum include courses that identify academic and technical knowledge and skills needed for students to pursue a wide range of career opportunities. Courses provide rigor and relevance for students by linking school-based learning with career-related experiences. Career clusters provide the framework for what students need to know and be able to do for success in the twenty-first century. Below is a listing of the sixteen clusters (For further information regarding the career clusters, please consult page 23).

- Agriculture, Food, & Natural Resources
- Architecture & Construction
- Arts, Audio-Visual Technology & Communications
- Business Management & Administration
- Education & Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections, & Security
- Manufacturing
- Marketing
- Science, Technology, Engineering, & Mathematics
- Transportation, Distribution, & Logistics

In the Tuscaloosa County School System, career exploration begins in kindergarten and continues through students' senior year in high school. When eighth grade students take the EXPLORE, they receive their academic results and their interest inventory results (World of Work Map). In conjunction with the EXPLORE results, Career Cruising will be used to assist students develop a clearly articulated and individualized four-year plan.

VALEDICTORIANS, SALUTATORIANS, AND HONOR GRADUATES

In an effort to encourage academic excellence and achievement on the part of students throughout the school system, the Board directs that each high school principal, with the assistance of appropriate staff members, select a valedictorian, a salutatorian, and honor graduates as a way of appropriately honoring those students who have pursued and attained high academic goals. Following are the criteria for determining who may be eligible for these honors:

Valedictorian and Salutatorian Graduating Classes of 2014-2016

The student with the highest numerical grade average who qualifies for the Alabama High School Diploma with Advanced Academic Endorsement with Honors or Alabama High School Diploma with Advanced Academic Endorsement with High Honors or Alabama High School Diploma with Advanced Career Technical Endorsement with Honors or Alabama High School Diploma with Advanced Career Technical Endorsement with High Honors will be the class valedictorian. The student with the second highest numerical grade average who qualifies for the Alabama High School Diploma with Advanced Academic Endorsement with Honors or Alabama High School Diploma with Advanced Academic Endorsement with High Honors or Alabama High School Diploma with Advanced Career Technical Endorsement with Honors or Alabama High School Diploma with Advanced Career Technical Endorsement with High Honors will be the class salutatorian. In the case of a tie (after carrying the grade average to 4 decimal places and rounding to 3 places), students having the same average will be recognized as co-valedictorians or co-salutatorians. The numerical grade average for the candidates will be computed on course work taken beginning with the freshman year through the second term of the senior year. All term grades will be used. Advanced Placement (AP) grades will be weighted by adding 10 points to each final grade earned in an AP class. All Pre-Advanced Placement (Pre-AP) grades will be weighted by adding 5 points to each semester grade earned in a Pre-AP class. In the case of a transfer student who has AP grades, only those courses recognized as AP by The College Board will be weighted. If a student fails an AP course, no weighted credit will be added to the configuration. The candidates for valedictorian and salutatorian must have been enrolled at the high school for one full school year prior to the date of their graduation. The candidates for other end-of-year honors must have been enrolled prior to the beginning of the second term of the senior year. If letter grades are present on a candidate's transcript, the candidate must have the respective school(s) attended submit the grades in numerical form. If school officials of the school that the student attended cannot or will not convert the letter grades to numerical grades, the letter grades will be transposed to numerical grades. (See the *Tuscaloosa County Parent/Student Information Guide* for grade scales.)

Honor Graduates Graduating Classes of 2014-2016

The honor graduates are graduating seniors who have qualified for the Alabama High School Diploma with Advanced Academic Endorsement with Honors or Alabama High School Diploma with Advanced Academic Endorsement with High Honors or Alabama High School Diploma with Advanced Career Technical Endorsement with Honors or Alabama High School Diploma with Advanced Career Technical Endorsement with High Honors and have an overall grade point average (GPA) of 4.0 (on a 4-point scale) on all courses taken during the freshman year through the second semester of the senior year. Approved College Board Advanced Placement courses will be weighted when calculating grade point averages only for students who sit for the AP exam.

Valedictorian and Salutatorian Graduating Class of 2017

The student with the highest numerical grade average who qualifies to receive an Academic Distinction to the Alabama High School Diploma will be the class valedictorian. The student with the second highest numerical grade average who qualifies to receive an Academic Distinction to the Alabama High School Diploma will be the class salutatorian. In the case of a tie (after carrying the grade average to 4 decimal places and rounding to 3 places), students having the same average will be recognized as co-valedictorians or co-salutatorians. The numerical grade average for the candidates will be computed on course work taken beginning with the freshman year through the second term of the senior year. All term grades will be used. Advanced Placement (AP) grades will be weighted by adding 10 points to each final grade earned in an AP class. All Pre-Advanced Placement (Pre-AP) grades will be weighted by adding 5 points to each semester grade earned in a Pre-AP class. In the case of a transfer student who has AP grades, only those courses recognized as AP by The College Board will be weighted. If a student fails an AP course, no weighted credit will be added to the configuration. The candidates for valedictorian and salutatorian must have been enrolled at the high school for one full school year prior to the date of their graduation. The candidates for other end-of-year honors must have been enrolled prior to the beginning of the second term of the senior year. If letter grades are present on a candidate's transcript, the candidate must have the respective school(s) attended submit the grades in numerical form. If school officials of the school that the student attended cannot or will not convert the letter grades to numerical grades, the letter grades will be transposed to numerical grades. (See the *Tuscaloosa County Parent/Student Information Guide* for grade scales.)

Honor Graduates Graduating Class of 2017

The honor graduates are graduating seniors who have qualified to receive an Academic Distinction to the Alabama High School Diploma and have an overall grade point average (GPA) of 4.0 (on a 4-point scale) on all courses taken during the freshman year through the second semester of the senior year. Approved College Board Advanced Placement courses will be weighted when calculating grade point averages only for students who sit for the AP exam.

GRADES 9-12

Courses are one (1) year one (1) credit unless otherwise noted. Schools have the option of offering some elective courses as half-credit courses. Each school retains the right to determine which classes will be offered as half-credit or full-credit courses based on the needs of the local school's student population.

*Indicates advanced level courses which satisfy requirements for the Alabama High School Diplomas with Advanced Academic Endorsement with Honors or High Honors (graduating classes of 2014-2016) and the requirements for Academic Distinction (graduating class of 2017).

**Advanced Placement courses are taught at the college level. Completion of Advanced Placement courses and satisfactory performance on the related AP exams may enable students to receive advanced credit and/or placement upon entering college. Students enrolled in any AP course must take the AP exam; students who do not sit for the exam will not earn AP weighted credit. The fees for all Advanced Placement courses are \$25 plus the AP exam

ENGLISH LANGUAGE ARTS

AAS: English Language Arts 9 (New name for Basic Skills English 9)

This course is for students who are enrolled in English language arts using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: None Fee: None

AAS: English Language Arts 10 (New name for Basic Skills English 10)

This course is for students who are enrolled in English language arts using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: English 9 Course Fee: None

AAS: English Language Arts 11 (New name for Basic Skills English 11)

This course is for students who are enrolled in English language arts using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: Previous English 10 Course Fee: None

AAS: English Language Arts 12 (New name for Basic Skills English 12)

This course is for students who are enrolled in English language arts using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: Previous English 11 Course Fee: None

English Essentials 9 (New name for Employment English 9/Life Skills English 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 post-secondary education and employment.

Prerequisite: None Fee: None

English Essentials 10 (New name for Employment English 10/Life Skills English 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 post-secondary education and employment.

Prerequisite: Previous English 9 Course Fee: None

English Essentials 11 (New name for Employment English 11/Life Skills English 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 post-secondary education and employment.

Prerequisite: Previous English 10 Course Fee: None

English Essentials 12 (New name for Employment English 12/Life Skills English 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 post-secondary education and employment.

Prerequisite: Previous English 11 Course Fee: None

English 9

English 9 develops student competency in English usage and mechanics, oral and written communication, and classical and contemporary literature. Topics of study include poetry, the novel, essays, library research skills, short stories, and creative writing. Basic grammar skills are practiced in student writings. Students use analytical and critical thinking skills while examining the various literary forms.

Prerequisite: None Fee: None

English 9, Advanced*

Advanced English 9 expands upon students' competencies in English usage and mechanics, oral and written communication, and classical and contemporary literature. Activities are designed to offer in-depth studies of poetry, novels, essays, short stories, and dramatic literature. Students use library research skills, analytical and critical thinking skills, and creative writing abilities to demonstrate English proficiency. Grammar studies include advanced composition, clauses, and phrases, as well as improved effectiveness in expository, persuasive, descriptive, and narrative writing.

Prerequisite: None Fee: None



English 9, Honors/Pre-AP*

Honors/Pre-AP English program is designed for students who have the highest level of English achievement and aptitude. Critical thinking, expression, and understanding are expected from students in preparation for taking the AP English classes and examinations. In this course, students will be expected to read a larger body of literary works and will develop those skills necessary to successfully compose literary, analytical essays that are grammatically and structurally correct. Students will work at an accelerated pace. Prior summer reading is a requirement for this class. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit.

Prerequisite: None Fee: None

English 10

English 10 integrates listening, speaking, reading, and writing through studies of literature and composition. Types of literature studied include biographies, autobiographies, essays, short stories, and novels. Students explore American literature to 1877, employing critical and analytical evaluation of literary works. Written expression lessons allow students to develop and demonstrate skills in composition, grammar usage, and the writing process.

Prerequisite: Previous English 9 Course Fee: None

English 10, Advanced*

Advanced English 10 expands students' knowledge of English usage and mechanics, oral and written communication, and American literature to 1877. Class activities focus on analytical and critical thinking, advanced composition, and library research. Students examine, compare, discuss, and write about poetry, novels, short stories, essays, and drama.

Prerequisite: Previous English 9 Course Fee: None

English 10, Honors/Pre-AP*

Honors/Pre-AP English 10 is designed for students who have the highest level of English achievement and aptitude. Honors/Pre-AP English 10 will provide a comprehensive study of early American literature with related world literature and English grammar. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis will be placed on literary analysis in writing, and students will be required to write a research paper. In addition to the outside readings required during this class, students will also be responsible for prior summer reading.

Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit.

Prerequisite: Previous English 9 Course Fee: None

English 11

English 11 is a combination of the study of American literature since 1877 and communication in the workplace. The study of grammar and composition is incorporated with both areas of study. The course provides preparation for students who plan to attend college or technical school. Students survey American literature representing these literary types: short story, novel, poetry, drama, and essay.

Prerequisite: Previous English 10 Course Fee: None

English 11, Advanced*

This course provides advanced 11th grade students opportunities to enhance abilities in written and oral communication through the study of composition and American literature since 1877. Students correlate American authors and their works with American history. Students participate in research activities, original writing, and critical analysis of literature.

Prerequisite: Previous English 10 Course Fee: None

American Studies-Advanced English 11*

American Studies Advanced English 11 is part of a two-period course paired with Advanced U.S. History Since 1877. Designed for the motivated student, this course utilizes the methodology of researching, writing, analyzing, and integrating disciplines to aid the students in acquiring lifelong skills. Classroom learning, combined with hands-on learning experiences, is orchestrated to make a solid connection among history, literature, and the arts. Students will be required to purchase paperback copies of works studied.

Prerequisites: Advanced English 10; Advanced U.S. History to 1877; Student Application with Teacher Approval Fee: \$25

English 11 Advanced Placement Language and Composition* **

This course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students should become aware of the interactions among writers' purposes, audience expectations, and subjects. In addition, the informed use of research materials and the ability to synthesize varied sources (to evaluate, use, and cite sources) are integral parts of this course. Students will engage in the development of projects that call on them to evaluate the legitimacy and purpose of sources used. Prior summer reading is a requirement for this class. Students are also required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students will receive a 1.0 extra quality point for successfully completing this class. Students must take the College Board's AP exam for weighted credit.

Prerequisite: Previous English 10 Course Fee: \$25 Plus AP exam fee

English 12

English 12 combines the study of British literature and communication in the workplace. The course prepares students for college and/or technical school after high school. Students survey British authors and works of these literary types: short story, novel, poetry, drama, and essay. Students participate in library research, complete group and individual projects, produce original writings, and conduct analyses of literature using both written and oral communication skills. Students review English skills necessary for success on the Alabama High School Graduation Exam, scholastic aptitude tests, and post-secondary school admission tests.

Prerequisite: Previous English 11 Course Fee: None

English 12, Advanced*

This course provides advanced 12th grade students with opportunities to enhance their abilities in written and oral communication through studies of composition and British literature. Students study the works of British authors as a basis for literary analysis. Students improve language skills through research activities, original writing, and critical analysis of literature.

Prerequisite: Previous English 11 Course Fee: None

English 12 Advanced Placement Literature and Composition* **

Advanced Placement (AP) English affords high school students the opportunity to study college-level English. Literary studies include classical and contemporary works from Europe, Great Britain, and the United States. College-level composition studies include both impromptu and researched writing activities. Extensive reading is required, as well as a variety of writing assignments throughout the course. Students are also required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students receive 1.0 extra quality point for successfully completing this class. Students must take the College Board's AP exam for weighted credit.

Prerequisite: Previous English Course Fee: \$25 plus AP exam fee

MATHEMATICS

AAS: Mathematics 9 (New name for Basic Skills Math 9)

This course is for students who are enrolled in mathematics using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: None Fee: None

AAS: Mathematics 10 (New name for Basic Skills Math 10)

This course is for students who are enrolled in mathematics using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS Mathematics 9 Fee: None

AAS: Mathematics 11 (New name for Basic Skills Math 11)

This course is for students who are enrolled in mathematics using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS Mathematics 10 Fee: None

AAS: Mathematics 12 (New name for Basic Skills Math 12)

This course is for students who are enrolled in mathematics using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS Mathematics 11 Fee: None

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.

Prerequisite: None Fee: None

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.

Prerequisite: None Fee: None

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.

Prerequisite: Algebraic Essentials A Fee: None

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.

Prerequisite: Algebraic Essentials B Fee: None

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.

Prerequisite: Geometry Essentials A Fee: None

Alabama Occupational Diploma Mathematics

These courses provide students with the foundation skills identified in the general education math courses. The courses include functional math concepts to equip students with skills necessary for employment and independent living.

Essential Mathematics 2 – This course will be deleted 2014-2015.

Algebraic Explorations 1 – This course will be deleted 2015-2016.

Algebraic Explorations 2 – This course will be deleted 2016-2017.

Prerequisites: IEP Specifications and Placement Fee: None

Algebra IA

Algebra IA is the first part of a two-part algebra program. Specific attention is given to problem-solving and higher-order thinking skills. Topics of study include properties of real numbers, graphing on the number line, variables, algebraic expressions and formulas, solving and graphing linear equations and inequalities, properties of slope, functions, geometric formulas and concepts, ratio and proportion. Students who successfully complete Algebra IA must take Algebra IB to fulfill the Algebra graduation requirement. Students who have passed Algebra I may not take this course for credit.

Prerequisites: None Fee: None

Algebra IB

Algebra IB is the second part of the two-part Algebra program. Specific attention is given to problem-solving and higher-order thinking skills. Topics of study include systems of linear equations and inequalities, factoring polynomials, operations with polynomials quadratic equations, Pythagorean Theorem, distance formula, radicals, square roots, laws of exponents, probability and statistics. Students who successfully complete Algebra IA must take Algebra IB to fulfill the Algebra graduation requirement. Students who have passed Algebra I may not take this course for credit.

Prerequisite: Algebra IA Fee: None

Algebra I*

Algebra I is a study of the structure of the real number system with specific attention to algebraic properties and operations, problem solving, and higher-order thinking skills. Topics of study include variables, expressions, linear and non-linear equations, inequalities, ratio, proportion, factoring polynomials, graphing on the number line and in the coordinate plane, properties of slope, and operations involving exponents. Students who have passed Algebra IA or Algebra IB may not take Algebra I for credit.

Prerequisite: None Fee: None

Algebra I, Honors/Pre-AP*

Honors/Pre-AP Algebra I is a formal, in-depth study of algebraic concepts and the real number system. Topics of study include variables, expressions, linear and non-linear equations, inequalities, ratio, proportion, factoring polynomials, graphing on the number line and in the coordinate plane, properties of slope, and operations involving exponents. This course gives specific attention to problem-solving and higher-order thinking skills. The workload for this course requires students to work at an accelerated pace. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final exam to receive weighted credit.

Prerequisite: None Fee: None

Geometry A

Geometry A is the first part of a two-part formal study of geometric skills and concepts, emphasizing Geometry as a logically deductive mathematical system. Students begin their examinations of the processes of formal proof and elements of Euclidean postulates. Other topics include coordinate Geometry, congruence, and polygons. Students who have passed Geometry may not receive credit for Geometry A. Students who successfully complete Geometry A must take Geometry B to fulfill the Geometry graduation requirement.

Prerequisites: Course(s) fulfilling Algebra I Requirement Fee: None

Geometry B

Geometry B is the second course of a two-course formal study that began in Geometry A. Topics include the Pythagorean Theorem, special right triangles, similarity, space measurements, circles, and trigonometric relations through the study of the right triangle. Students who have successfully completed Geometry may not take Geometry B for credit.

Prerequisite: Geometry A Fee: None

Geometry (This is an advanced level course for the classes of 2014-2016 ONLY*)

Geometry presents a logical development of the basic concepts and understanding of geometry with an emphasis on practical application rather than formal proof. Included in this course are topics from plane geometry, solid geometry and coordinate geometry. This course requires students to make conjectures and use reasoning to validate or negate these conjectures. Topics include angles, parallel lines, triangles, special right triangles, the Pythagorean Theorem, polygons, circles, area, volume, and transformations. Students who have successfully completed Geometry A and/or Geometry B may not take Geometry for credit.

Prerequisites: Course(s) fulfilling Algebra I Requirement Fee: None

Geometry, Advanced*

Geometry is the formal study of geometric skills and concepts, emphasizing geometry as a logically deductive mathematical system. Students examine the processes of formal proof and elements of Euclidean postulates. Concepts of area and volume are reviewed and expanded to three-dimensional objects. Trigonometric relations are introduced through the study of the right triangle. Other topics include congruence, circles, the Pythagorean Theorem, similarity, and coordinates. Students who have successfully completed Geometry A and/or Geometry B may not take Geometry for credit.

Prerequisites: Course(s) fulfilling Algebra I Requirement Fee: None

Geometry, Honors/Pre-AP*

Honors/Pre-AP Geometry is designed for the students who excelled in Algebra I. This course covers the same topics as advanced geometry with a more in-depth and challenging analysis of the major concepts and more emphasis on theory. Logical thinking is developed through concentration on direct and indirect proofs. The workload for this course requires students to work at an accelerated pace. This course is a prerequisite for the Advanced Placement Calculus class. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final exam to receive weighted credit.

Prerequisites: Course(s) fulfilling Algebra I Requirement Fee: None

Algebraic Connections

Algebraic Connections provides students with a bridge to courses beyond Algebra I and Geometry and to the mathematical empowerment needed to make responsible financial and economic decisions. It is designed for students who need additional mathematical experiences prior to enrollment in Algebra II. Algebraic Connections integrates topics from algebra, geometry, measurement, and probability and statistics with an emphasis on real-world applications. Students who have passed Algebra II or Algebra II with Trigonometry will not receive credit for this course.

Prerequisites: Course(s) fulfilling Geometry Requirement Fee: None

Algebra II

Algebra II is a course designed to extend students' algebraic knowledge and skills. Students are encouraged to solve problems using a variety of methods involving quadratics, complex numbers, and exponential and logarithmic

functions. Students who pass Algebra II are not eligible to take Algebra II with Trigonometry. Students who have earned only two credits in math must pass Algebraic Connections prior to taking this course.

Prerequisites: Course(s) fulfilling Geometry Requirement Fee: None

Algebra II with Trigonometry*

In this course students are encouraged to solve problems using a variety of methods involving quadratics, complex numbers, exponential and logarithmic functions, and trigonometry. It is recommended for students who intend to pursue post-secondary studies. Students who have passed Algebra II are not eligible to take Algebra II with Trigonometry. It is recommended that students who have earned only two credits in math with grades below 70 take Algebraic Connections prior to taking this course.

Prerequisites: Course(s) fulfilling Geometry Requirement Fee: None

Algebra II with Trigonometry, Honors/Pre-AP*

This course focuses on problem-solving skills that use a variety of methods to encourage the development of improved communication skills and foster a deeper understanding of the content area. Topics include properties of real numbers, linear relations and functions, systems of equations, irrational and complex numbers, quadratic functions, exponential and logarithmic functions, triangle and circular trigonometry. The workload for this course requires students to work at an accelerated pace. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final exam to receive weighted credit.

Prerequisites: Course(s) fulfilling Geometry Requirement Fee: None

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 Pre-Calculus or Analytical Mathematics courses. 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, combinatorial reasoning, counting techniques, algorithms, sequences, series, and their applications. 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: Course fulfilling Algebra II with Trig Requirement Fee: None

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 Pre-Calculus or Analytical Mathematics courses. 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 application-based problem solving. The wide range of topics and applied problems may lend itself to organizing the content into thematic units.

Prerequisite: Course fulfilling Algebra II with Trig Requirement Fee: None

Analytical Mathematics*

Analytical Mathematics is an advanced math course designed for students who have successfully completed the Algebra II with Trigonometry course. It is considered to be parallel in rigor to Pre-Calculus. This course provides a structured introduction to important areas of emphasis in most post-secondary studies that pursue a concentration in mathematics. Linear algebra, logic, vectors, and matrices are topics that are given more in-depth coverage than in previous courses. Application-based problem solving is an integral part of this course. To assist students with numerical and graphical analysis, the use of advanced technological tools is highly recommended. While this course may be taken either prior to or after Pre-Calculus, it is recommended that students who are interested in post-secondary studies in engineering successfully complete the Pre-Calculus course as well as AP Calculus.

Prerequisite: Algebra II with Trig Fee: None

Pre-Calculus*

Pre-Calculus includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and the real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations. Working in both individual and group settings, students apply a variety of problem-solving strategies, incorporating the use of graphing calculators or other technological tools that extend beyond the traditional tools. This course fulfills the requirement of one unit of mathematics for the standard or advanced diploma.

Prerequisite: Course fulfilling Algebra II with Trig Requirement Fee: None

Pre-Calculus, Honors/ Pre-AP*

This course includes an expanded study of polynomial functions, conic sections, logarithmic and exponential equations, and real-life applications of these topics. Students are challenged to defend and support their conclusions from problematic situations. Working in both individual and group settings, students apply a variety of problem-solving strategies, incorporating the use of graphing calculators or other technological tools that extend beyond the traditional tools. The workload for this course requires students to work at an accelerated pace. Only students who plan to take AP Calculus should enroll in this course. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final exam to receive weighted credit.

Prerequisite: Course fulfilling Algebra II with Trig Requirement Fee: None

Calculus*

Calculus is designed for the ambitious math student who plans to take Calculus in college. The course emphasizes the study of theory and techniques of differentiation; curve tracing; limits; derivatives; integrals; continuity; and integration of exponential, logarithmic and trigonometric functions. A scientific calculator is required; a graphing calculator is recommended. Daily preparation

is required for success in Calculus. This course fulfills the advanced diploma graduation requirement for one unit of advanced math.

Prerequisite: Pre-Calculus or Pre-AP Calculus Fee: None

Calculus, Advanced Placement* **

Advanced Placement (AP) Calculus fulfills the requirements of a first semester college calculus class. It introduces differential and integral calculus. Topics covered include limits, continuity, differentiation and applications, integration and applications, and curve sketching. The workload in this class requires students to work at an accelerated pace. Students are also required to pay the fee for the College Board examination prior to the examination date scheduled in May.

Students receive 1.0 extra quality point for successfully completing this class. Students must take the College Board's AP exam for weighted credit.

Prerequisite: Pre-Calculus or Pre-AP Pre-Calculus Fee: \$25 plus AP exam fee

SCIENCE

AAS: Science-9 (New name for Basic Skills Science 9)

This course is for students who are enrolled in science using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: None Fee: None

AAS: Science-10 (New name for Basic Skills Science 10)

This course is for students who are enrolled in science using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS: Science 9 Fee: None

AAS: Science-11 (New name for Basic Skills Science 11)

This course is for students who are enrolled in science using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS: Science 10 Fee: None

AAS: Science-12 (New name for Basic Skills Science 12)

This course is for students who are enrolled in science using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS: Science 11 Fee: None

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.

Prerequisite: None Fee: None

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.

Prerequisite: LS I: Physical Science Fee: None

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.

Prerequisite: LS II: Biology Fee: None

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.

Prerequisite: LS III: Earth and Space Science Fee: None

Anatomy/Physiology*

Human Anatomy/Physiology is a study of the structure and function of the human body. Laboratory experiences and text-based activities prepare the student for advanced biological studies, biomedical nursing, and other science-based careers. Topics include major body systems; how the body systems work together to provide homeostasis; body functions in the healthy and diseased states; blood typing; muscle action; cranial nerve functioning; and bioethics.

Prerequisite: None Fee: \$25

Biology

Biology is the study of diversity, heredity, cells and the interdependence of all living things. Topics include the study of plants, animals, ecology, and fundamental concepts of life science. Students participate in laboratory experiences and receive instruction in reading in the content area.

Prerequisite: None Fee: None

Biology, Advanced*

Advanced Biology is the advanced study of diversity, heredity, cells, and the interdependence of all living things. The course includes the study of plants, animals, ecology, and fundamental concepts of life science. Students use their abilities to draw conclusions, organize and classify knowledge, make inferences, and test hypotheses through experimentation.

Prerequisite: None Fee: \$25

Biology, Honors/Pre-AP*

This course is intended for students who are interested in an accelerated science program. Pre-AP Biology will prepare students who may consider taking AP Biology or are interested in a science-related career after high school. Due to the rigorous nature and fast pace of this course, a student must have demonstrated

academic excellence in previous science and math courses. Students will be introduced to the conceptual framework, factual knowledge, and analytical skills needed to adapt to the rapidly changing science of biology. Laboratory technical skills, analysis of information, and problem solving abilities will be an integral part of the course. Pre-AP Biology students will complete additional projects as well as independent study and research not expected in advanced biology. Topics include molecules and cells, evolution and genetics, and organisms and populations. Students will receive a 0.5 extra grade point for successful completion of this course.

Prerequisite: None Fee: \$25

Biology, Advanced Placement* **

AP Biology is a college-level course that follows the guidelines of The College Board. It will differ significantly from the usual high school biology regarding the kind of textbook used, the range and depth of topics covered, the kind of lab work done, and the time and effort required of students. The main goals of AP Biology are to help students develop a conceptual framework of modern biology, to help students gain appreciation of science as a process, and to prepare the students for the national exam. Topics include molecular biology, cells, genetics, evolution, organisms, and populations. Activities include laboratory experiences and independent research. Students will receive a 1.0 extra grade point for successful completion of this course. Students must take the College Board's AP exam for weighted credit.

Prerequisite: Honors/Pre-AP Biology (recommended) or Adv. Biology and Pre-AP Chemistry (recommended) or Adv. Chemistry.

Fee: \$25 Plus AP exam fee

Chemistry

This physical science course covers chemistry core content standards; scientific process and application skills; matter classifications; carbon chains; periodic table; solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; and chemical and nuclear reactions.

Prerequisite: Algebra I or equivalent Fee: \$25

Chemistry, Advanced*

Chemistry is the organized investigation of the properties, composition and structure of matter, the changes that occur in matter, and the energy absorbed or released during these changes. Class activities and laboratory experiences provide opportunities for the development of skills in analysis, synthesis, and evaluation. Topics include atomic structure, chemical formulas and equations, and properties of elements. Strong math skills are essential to student success in this course.

Prerequisite: Algebra I or equivalent Fee: \$25

Honors/Pre-AP Chemistry*

Honors/Pre-AP Chemistry is designed for students who are highly motivated and interested in seeking a career in a science-related field. This course will also prepare students for the rigorous academic challenges of AP Chemistry. This course moves at a much faster pace than the regular or advanced chemistry classes and, as a result, greater range and depth of material will be covered. This course will cover such topics as measurement, atomic structure, the periodic table, chemical bonds, molecular shapes, writing and balancing chemical equations, the mole, stoichiometry, gas laws and thermochemistry. Both quantitative and qualitative aspects of chemical behavior are studied in-depth. Laboratory work is an integral part of the course and independent study will be required. Students will receive a 0.5 extra grade point for successful completion of this course.

Prerequisites: Adv. or Honors/Pre-AP Biology and Algebra I (grade of 80 or higher strongly recommended). Completion of Geometry is also recommended.

Fee: \$25

Chemistry, Advanced Placement* **

This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. AP Chemistry differs from the other chemistry courses in the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulations of principles, kind of laboratory work done, and the overall time spent on the course by students. In this course, students should attain a greater depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Topics include chemical reactions; properties of solids, liquids, gases and solutions; chemical equilibrium; thermodynamics; atomic and molecular structure; kinetics; periodic properties; nuclear chemistry; and organic chemistry. Students will need a scientific calculator and an AP study guide. Students will receive a 1.0 extra grade point for successful completion of this course. Students must take the College Board's AP exam for weighted credit.

Prerequisites: Honors/Pre-AP Chemistry or Advanced Chemistry and Algebra II with Trig Fee: \$25 Plus AP exam fee

Earth and Space Science

Earth and Space Science focuses on three major areas of physical science: the universe, the Earth in space, and the dynamic Earth. Topics of study include natural objects, events, and processes; observations of Earth from space; and changes occurring within the exosphere, atmosphere, hydrosphere, and/or lithosphere. Activities include group and individual projects, discussion, laboratory activities, and presentations.

Prerequisites: A Physical Science and Biology Fee: None

Environmental Science

Environmental Science offers a broad view of the biological and physical parameters that affect the Earth. Specific topics include living things in ecosystems, water, air, soil, climate, food, biodiversity, energy, waste, population growth, and renewable and sustainable resources. Laboratory activities and writing opportunities relate environmental issues to the lives of the students.

Prerequisites: A Physical Science and Biology Fee: \$25

Environmental Science, Advanced Placement*

AP Environmental Science is a college-level course that follows the guidelines of The College Board. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze human problems both natural and human-made, to evaluate the relative risks associated with

these problems, and to examine alternative solutions for resolving and/or preventing them. A strong laboratory and field component and independent research complement the classroom portion of the course. Students will receive a 1.0 extra grade point for successful completion of this course. Students must take the College Board's AP exam for weighted credit.

Prerequisites: Honors/Pre-AP Biology (recommended) or Adv. Biology and Honors/Pre-AP Chemistry (recommended) or Adv. Chemistry.

Fee: \$25 Plus AP exam fee

Forensic Science

Forensic Science is the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. Students will be involved in the principles and techniques of collecting, identifying, comparing, and analyzing physical evidence. Integration of chemistry, biology, physics, geology, computer technology, pathology, psychology, anthropology, and odontology will be explored.

Prerequisites: A Physical Science and Biology Fee: \$25

Genetics, Advanced*

Advanced Genetics is the study of genetics including cellular anatomy (cell biology) and physiology (molecular biology), Mendelian and molecular genetics, biotechnology, human genetic disease, and an introduction to the major concepts and models of population genetics.

Prerequisites: Advanced Biology, Advanced or Honors/Pre-AP Chemistry, and Algebra II with Trig Fee: \$25

Marine Science

Marine Science is designed to introduce students to scientific investigations of the marine world. Topics include anatomy and physiology of saltwater organisms; oceanography and aspects of marine water chemistry; classifications, biodiversity, and interdependence of organisms within marine biomes; and human and natural impact on marine systems.

Prerequisites: A Physical Science and Biology Fee: \$25

Physical Science

General Physical Science is the study of the fundamental concepts of physical science. Topics include the properties of matter, elements, energy, motion, practical chemistry, physical changes in our environment, fundamental aspects of physics and the study of the aspects of the physical world. Students participate in laboratory experiences and receive instruction in reading in the content area, vocabulary development, and application of learning.

Prerequisite: None Fee: None

Physics*

Physics is the study of matter and energy and how they are related. Emphasis is placed on mathematical solutions to scientific problems. Topics are dynamics, thermodynamics, wave theory, electricity, magnetism, power, light, energy, optics, atomic and nuclear structure, and radioactivity. A grade of 70 or above in Algebra II with Trig is strongly recommended.

Prerequisite: Algebra II with Trig or Pre-AP Algebra 2 with Trig Fee: \$25

Honors/Pre-AP Physics*

Physics is the branch of science that addresses the properties of physical matter, physical quantities and their relationships. This course is intended for students who are interested in an accelerated science program. Honors/Pre-AP Physics will prepare students who may consider taking AP Physics or are interested in a science, engineering or math-related career after high school. Due to the pace of this course, a student must have demonstrated academic excellence in previous science and math courses. Topics studied include mechanics, heat, light, sound, electricity, and magnetism. Additional topics may include atomic and nuclear structure and radioactivity. Students will receive a 0.5 extra grade point for successful completion of this course.

Prerequisites: Algebra II with Trig and Honors/Pre-AP Chemistry (Recommended) or Advanced Chemistry Fee: \$25

AP Physics B* **

AP Physics B is a college-level course designed to introduce the basic disciplines of classical and modern physics and provides the foundation for students interested in a science, engineering or math-related career after high school. Topics studied include Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Although all topics from Newtonian mechanics to particle theory will be covered in some detail, AP mechanics problems will be practiced throughout the year. The course involves a rigorous practice of mathematics and some elementary calculus. Students will receive a 1.0 extra grade point for successful completion of this course. Students must take the College Board's AP exam for weighted credit.

Prerequisites: Pre-Calculus or Concurrent Enrollment and Honors/Pre-AP or Advanced Chemistry (Honors/Pre-AP Recommended) Fee: \$25 plus AP exam fee

AP Physics C* **

AP Physics C Mechanics covers the topics studied in the first semester of the college physics course for students majoring in the physical sciences or engineering. Topics studied include Newtonian Mechanics including kinematics; Newton's Laws of Motion; work, energy, and power; systems of particles; and linear momentum, circular motion and rotation, oscillations and gravitation. The course involves a rigorous practice of mathematics and some elementary calculus, including introductory differential and integral calculus.

Students will receive a 1.0 extra grade point for successful completion of this course. Students must take the College Board's AP exam for weighted credit.

Prerequisites: Honors/Pre-AP Physics or AP Physics B (Recommended), Pre-Calculus, and Concurrent Enrollment in Calculus. Fee: \$25 plus AP exam fee

Zoology

Zoology is a biotechnology laboratory course. Topics include animal phyla; comparative anatomy--structure, function and organization; animal reproduction and genetics; animal evolution; ecology; bioethics; and dissection.

Prerequisites: A Physical Science and Biology Fee: None

SOCIAL STUDIES

AAS: Social Studies-9 (New name for Basic Skills Social Studies 9)

This course is for students who are enrolled in social studies using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: None Fee: None

AAS: Social Studies-10 (New name for Basic Skills Social Studies 10)

This course is for students who are enrolled in social studies using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS: Social Studies-9 Fee: None

AAS: Social Studies-11 (New name for Basic Skills Social Studies 11)

This course is for students who are enrolled in social studies using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS: Social Studies-10 Fee: None

AAS: Social Studies-12 (New name for Basic Skills Social Studies 12)

This course is for students who are enrolled in social studies using alternate achievement standards (Extended Standards) which are aligned to the Alabama Course of Study.

Prerequisite: AAS: Social Studies-11 Fee: None

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.

Prerequisite: None Fee: None

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.

Prerequisite: LS I: World History Fee: None

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.

Prerequisite: LS II: U.S. History to 1877 Fee: None

LS IV: Economics

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

Prerequisite: LS III: U.S. History from 1877 Fee: None

LS IV: U.S. Government

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

Prerequisite: LS III: U.S. History from 1877 Fee: None

World History: 1500 to Present

This ninth-grade course examines social, political, geographical, economic, and technological changes in the world that have occurred from 1500 to the present. Critical thinking and analysis are important aspects of this course. Students compare and contrast civilizations around the world over time.

Prerequisite: None Fee: None

World History: 1500 to Present, Advanced*

This course for able and ambitious ninth-grade students examines social, political, geographical, economic, and technological changes in the world that have occurred from 1500 to the present. Activities include independent research, group and individual projects, and class discussion. Students demonstrate critical thinking and analysis through both oral presentations and written assignments. Students compare and contrast civilizations around the world over time.

Prerequisite: None Fee: None

World History: 1500 to Present, Honors/Pre-AP *

This course, for extremely able and ambitious ninth-grade students, examines social, political, geographical, economic, and technological changes in the world that have occurred from 1500 to the present, comparing and contrasting civilization around the world over time. Activities include independent research, group and individual projects, class discussion, and analysis of works of art, cartoons, charts, graphs and other primary sources. Students demonstrate critical thinking and analysis through both oral and extensive written assignments. This course is designed to prepare them for the rigors of AP U.S. History, AP Economics; AP Government and Politics: Comparative and United States; AP Human Geography; AP World European History and AP World History. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit.

Prerequisite: None Fee: None

U.S. History to 1877

U. S. History to 1877 is the first part of a two-course study of U.S. History. This tenth-grade course examines the social and political history of the United States from pre-historic times to post-Civil War Reconstruction.

Prerequisite: Previous World History: 1500 to Present course Fee: None



U.S. History to 1877, Advanced*

Advanced U.S. History to 1877 is the first part of a two-course study of U.S. History. Advanced analysis of historical content, research writing, and critical thinking skills are aspects of this tenth grade course. The course examines the social and political history of the U.S. from pre-historic times to post-Civil War Reconstruction.

Prerequisite: Previous World History: 1500 to Present course Fee: None

U.S. History to 1877, Honors/Pre-AP*

Honors/Pre-AP U.S. History will cover the historic development of American history from the discovery of the North American continent to 1877. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials of U.S. history. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Students will learn to interpret and evaluate the relative significance of primary and secondary source material and to present their evidence and conclusions clearly and persuasively in essay format. Students receive 0.5 extra quality points for successfully completing this class. Students must take the comprehensive course final examination for weighted credit.

Prerequisite: Previous World History: 1500 to Present course Fee: None

U.S. History from 1877 to Present

This eleventh-grade course examines the political, cultural, and social history of the U. S. since 1877. Emphasis is placed on the significance of political, social, and economic events from the settlement of the West to current events in U.S. history.

Prerequisite: Previous U.S. History to 1877 course Fee: None

U.S. History from 1877 to Present, Advanced*

Advanced U.S. History for eleventh-grade students is an in-depth examination of political, cultural, and social history of the U.S. since 1877. Emphasis is placed on the significance of political, social, and economic events from the settlement of the West to current events in U.S. history. Activities require independent research skills, writing abilities, and strong study skills.

Prerequisite: Previous U.S. History to 1877 course Fee: None

American Studies-Advanced U.S. History from 1877 to Present*

American Studies Advanced U.S. History from 1877 to Present is part of a two-period course paired with Advanced English 11. Designed for the motivated student, this course utilizes the methodology of researching, writing, analyzing, and integrating disciplines to aid the students in acquiring lifelong skills. Classroom learning, combined with hands-on learning experiences, is orchestrated to make a solid connection among history, literature, and the arts. Students will be required to purchase paperback copies of works studied.

Prerequisites: Adv English 10; Adv U.S. History to 1877; and student application with teacher approval Fee: None

U.S. History, Advanced Placement* **

This Advanced Placement (AP) U.S. History course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in the study of U.S. History. Students learn to assess historical materials; they determine their relevance to a given interpretive problem, their reliability, and their importance. The course is taught at a level comparable to that of a first-year college course. This course fulfills the graduation requirement of one unit of U.S. History for the advanced or standard diploma. AP U.S. History must be preceded by Pre-AP U.S. History to 1877. Students are also required to pay the fee for the College Board examination prior to the examination date scheduled in May. Students will receive a 1.0 extra quality point for successfully completing this class. Students must take the College Board's AP exam for weighted credit.

Prerequisite: Pre-AP U.S. History Fee: \$25 Plus AP exam fee

U.S. Government (one-half credit)**Economics (one-half credit)**

The U.S. Government and Economics courses expand students' previous knowledge of history, geography, economics, and government. The courses provide knowledge in the areas of civic responsibility, individual rights, basic economic principles, and the citizen's relationship with government. Topics include representative democracy, federalism, international relations, basic economic concepts of free enterprise and capitalism, business/labor relations, monetary and fiscal policy, and comparisons of world economic systems. Topics of study are integrated throughout the term.

Prerequisite: 12th Grade Status Fee: None

U.S. Government, Advanced* (one-half credit)**Economics, Advanced (one-half credit)**

The Advanced U.S. Government and Economics courses are designed to develop independent research skills, advanced study skills, and a comprehensive knowledge of the American system of government and economics at all levels. Topics include foreign and domestic policy, government agencies, federalism, the political process, economic concepts of free enterprise and capitalism, business/labor relations, monetary and fiscal policy, comparisons of world economic systems, and the interactions of the various levels of American government. Topics of study are integrated throughout the term.

Prerequisite: 12th Grade Status Fee: None

U.S. Government and Politics, Advanced Placement* **

Advanced Placement (AP) U.S. Government and Politics is for the able and ambitious student who wishes to study U.S. Government and Politics taught at the college level. Students use higher order thinking skills and advanced study techniques as they explore the development of the American political system, the rights and responsibilities of citizenship, comparative economics, monetary/fiscal policies, and interpretations of political theories and organizational systems.

This course meets the government and economics requirements as stated in the Alabama Course of Study for Social Studies.

Students will receive a 1.0 extra quality point for successfully completing this class.

Students must take the College Board's AP exam for weighted credit.

Prerequisite: 12th Grade Status Fee: \$25 Plus AP exam fee

FOREIGN LANGUAGE

Students in the graduating class of 2014-2016 who are pursuing the Alabama High School Diploma with one of the following endorsements: Advanced Academic, Advanced Academic with Honors, OR Advanced Academic with High Honors must have two credits of the same foreign language. For the students in the class of 2017, one foreign language is required to receive Academic Distinction. The admission policies of many four-year colleges and universities require at least one unit of the same language. It is the responsibility of the student to determine from the specific post-secondary institutions the appropriate high school courses needed.

French 1

French 1 provides an introduction to the study of the French language. Students begin with the basic grammatical structures and vocabulary relevant to daily living. Listening, speaking, reading, and writing are the focus of the study of French. Introductory studies of the culture, geography, and traditions of French speaking people are aspects of French 1.

Prerequisite: 10th-12th Grade or 9th Grade students enrolled in Advanced English 9 Fee: None

French 2

French 2 is a continuation of French 1. Students use French phrases in a variety of social settings to improve their understanding and pronunciation. More complex dialogues are used as students' vocabularies are expanded. French music and art studies are added to the study of French culture during French 2.

Prerequisite: French 1 Fee: None

French 3

French 3 provides opportunities for students to read short works of fiction as they continue to improve vocabulary, pronunciation, and grammar skills. Regions in France are studied in greater depth. Communication exercises involve a wide range of needs and culturally authentic situations.

Prerequisite: French 2 Fee: None

French 4

French 4 examines longer and more complex works of French literature as students continue to improve vocabulary, pronunciation, and grammar skills. French music, art, architecture, traditions, and history are studied in greater depth. Communication exercises involve a wide range of needs and culturally authentic situations.

Prerequisite: French 3 Fee: None

German 1

German 1 is the first year of formal instruction in the German language. Students begin with listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines and progress to reading and writing skills relevant to daily living. Introductory studies of the culture, geography, history, and traditions of German speaking people are aspects of German 1.

Prerequisite: 10th-12th Grade or 9th Grade students enrolled in Advanced English 9 Fee: None

German 2

German 2 is a continuation of German 1. Students use German phrases in a variety of settings to improve their understanding and pronunciation. More complex dialogues are used as students' vocabularies are expanded. Students will also read with comprehension simple texts, write short presentations, and further understanding German-Speaking cultures.

Prerequisite: German 1 Fee: None

Latin 1

Students will find the study of Latin to be beneficial as they discover its relationship to the English language and its unique cultural and historical contributions to the modern world. The high proportion of English words derived from Latin, including many abstract terms, makes the study of Latin essential of an in-depth understanding of the spelling and meaning of these words in the English language. The subject matter of classical Latin reveals the very roots of Western civilization, including the foundations of law, architecture, medicine, science, philosophy, and religious thought. The study of Latin not only increases English vocabulary but also gives students a sense of their cultural and linguistic past. Latin 1 provides students the opportunity to begin the study of Latin language and introduces them to Roman culture and its influence on the cultures of the Western world. Basic pronunciation, spelling, and translation are included in the course, while an emphasis is placed on reading, grammar, and culture.

Prerequisite: 10th-12th Grade or 9th Grade students enrolled in Advanced English 9 Fee: None

Latin 2

Latin 2 includes a more advanced study of the knowledge and skills previously gained through the use of stories of Roman life, history, and mythology. Coursework involves a study of advanced grammar, additional vocabulary, and translation of works of authentic Roman authors. Aspects of Roman culture, including important persons, places, and events, continue to be taught during the second year of Latin study.

Prerequisite: Latin 1 Fee: None

Spanish 1

Spanish 1 is the first year of formal instruction in the Spanish language. Students progress from listening to and repeating short, memorized phrases to using linguistic and cultural skills for expressing needs. Emphasis is placed on dialogue and short readings, oral guided responses, the alphabet and sound system, topical vocabulary, and present tense verbs. In addition to the language study, students explore aspects of the Spanish culture, geography, history, and literature.

Prerequisite: 10th-12th Grade or 9th Grade students enrolled in Advanced English 9 Fee: None



Spanish 2

Spanish 2, continuation of Spanish 1, is designed to enhance students' skills in listening, speaking, reading and writing the Spanish language. Students will apply these skills in simulated daily-life situations. In addition to the language study, students will continue to explore aspects of the Spanish culture, geography, history, and literature. Emphasis is placed on the oral language as a means of communication.

Prerequisite: Spanish 1 Fee: None

Spanish 3

Spanish 3 offers review and reinforcement of the skills and knowledge mastered in Spanish 2. Advanced grammar concepts are introduced and more complex vocabulary and reading passages are studied. Emphasis is placed on improving conversation skills and using the language in a variety of settings.

Prerequisite: Spanish 2 Fee: None

Spanish 4

Spanish 4 offers review and reinforcement of the skills and knowledge mastered in Spanish 3. Advanced grammar concepts are practiced and more complex vocabulary and reading passages are studied. Emphasis is placed on improving conversational proficiency and in-depth study of Hispanic culture.

Prerequisite: Spanish 3 Fee: None

HEALTH AND LIFE

Health (one credit OR one-half credit)

Health is required of all students for the advanced, standard, and occupational diplomas. Topics include nutrition, exercise and rest, appearance, behavior, stress management, drug abuse prevention, the effects of alcohol and tobacco, infectious diseases, first aid and safety. The study of all aspects of safety, first aid, and healthy lifestyles are aspects of this course.

A half credit of this course is required for graduation.
Prerequisite: None Fee: None

LIFE (Lifelong Individualized Fitness Education)

This required course provides a blueprint for a lifetime of healthy living and capitalizes on students' increased ability to accept responsibility for their own actions. LIFE provides students with the knowledge and ability to construct and implement a lifelong plan for physical activity. It utilizes a variety of health-enhancing activities derived from modifying sports and games as a vehicle for reinforcing and applying fitness components and principles. A gym uniform or suitable gym clothes should be worn for effective participation in LIFE/physical education activities. Students may take this course in subsequent terms for additional elective credit(s). A full credit of this course is required for graduation.

Prerequisite: None Fee: None

PHYSICAL EDUCATION ELECTIVES

Physical Education Electives

Physical education elective courses focus on the development and refinement of skills, knowledge, social and personal traits, and physical fitness acquired in Grades K-8 and in the required high school LIFE course. Physical education elective courses provide students opportunities to develop a commitment to an active lifestyle during the school day and beyond. These courses allow students to continue to refine or perhaps develop skills in areas of individual interest, including sports, games, athletics, or dance. Students in Grades 9-12 are forming patterns for adult behaviors that include health-enhancing activities as an integral part of their daily or weekly routines. Effective instruction, appropriate supervision, adequate equipment, and a variety of opportunities allow students to reach their maximum potential for developing and maintaining a healthy, active lifestyle. These courses do not substitute for the required LIFE course.

Boys' Weight Training OR Girls' Weight Training

The weight training courses are elective courses designed to promote physical development, cardiovascular conditioning, flexibility, enhanced motor skills, and overall physical fitness. The course includes weight lifting, stretching, and aerobic exercises. Activities are structured to allow each participant to proceed at his or her own pace for optimum development. Activities and skills taught depend upon the availability of equipment and facilities that vary from school to school. Suitable gym clothes should be worn for class activities. Students may take this course in subsequent terms for additional elective credit(s).

Prerequisite: None Fee: \$25

Boys' Athletics – Baseball, Basketball, Golf, Soccer, Tennis, Track & Field, and Wrestling**Girls' Athletics – Basketball, Cheerleading, Golf, Soccer, Softball, Tennis, Track & Field, and Volleyball**

Athletics is a series of elective physical education programs designed to develop greater proficiency and mastery in specific team sports. Advanced skills and knowledge of rules used in interscholastic and recreational programs are taught in this course. Students should examine the list of available sports and then try out or sign up as recommended by the coaching staff. Students must select an alternative course as a second choice on selection cards; placement in an athletic sport is made only after try-outs and selection procedures are completed. Athletic courses are offered for one-half credit (0.5) for the semester and for (1) credit for the entire year. Certain sports may require enrollment in the same course for two semesters. For some sports students may be encouraged to enroll in weight training or physical education for the opposite semester to continue or enhance physical conditioning for the sport. Coaches advise individual athletes on the best course selections for optimum performance.

Prerequisites: Try-Out, Selection and Approval of Coach Fee: \$25

FINE ARTS

Arts Survey (one credit OR one-half credit)

Arts Survey introduces students to the four arts disciplines: dance, music, theatre, and visual arts. Students will produce original projects and utilize the creative process to analyze, compare, describe, and classify works of art in dance, music, theatre, and visual arts. Students will learn terminology specific to the fine arts and will be exposed to performances and exhibits.

Prerequisite: None Fee: None

Art-Visual Arts Level 1 (one credit OR one-half credit)

This course is the foundation course for art study. It emphasizes drawing and design. In addition to creating and producing art, students will study elements and 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 storing materials. Visual Arts, Level 1 is a prerequisite for all subsequent art courses.

Prerequisite: None Fee: \$25

Art-Visual Arts Level 2 (one credit OR one-half credit)

Level 2 Visual Arts is designed to address the needs of students with Level 1 visual arts experience. These students require concrete experiences that provide direction and advanced skill development. As they continue to learn the visual language and understand the significance of artistic symbolism, students focus on the production of visual relationships; the exploration of techniques, processes, and media; and the study of history, culture, aesthetics, and criticism. Students in Level 2 may be considering visual arts as a possible career option.

Prerequisite: Visual Arts Level 1 or Approval of Instructor Fee: \$25

Art-Visual Arts Level 3 (one credit OR one-half credit)

Level 3 Visual Arts directs students toward skill proficiency and dynamics in individual expression, artistic presentation, and portfolio development. Students are able to communicate concepts and intentions through manipulation of subject matter, organizational components, media, and processes. They are able to explore issues in art criticism and aesthetics as well as provide analysis of their own works of art and the works of others. At this level, some students may have determined an area of media concentration and artistic expression to be considered as a career choice.

Prerequisite: Visual Arts Level 2 or Approval of Instructor Fee: \$25

Art-Visual Arts Level 4 (one credit OR one-half credit)

Level 4 Visual Arts engages students in the most advanced level of artistic development and technical proficiency. Students at this level understand the multifaceted components of solving visual arts problems. They are able to examine contexts, processes, and criteria for evaluation of works of art through an analytical method and to communicate their ideas regarding relationships among art forms and between their own work and the works of others. Many Level 4 students plan to use their visual arts interest and ability in future careers.

Prerequisite: Visual Arts Level 3 or Approval of Instructor Fee: \$25

Band, Concert

Concert Band is for students who demonstrate proficiency beyond the beginner level in instrumental playing ability. Additional skills are developed through the performance of more difficult music. Topics for instruction include the performance of scales and arpeggios, the chromatic scale, tempos, dynamics, and time signatures. Concert Band students have opportunities to perform at festivals, competitions, concerts, and community events. Concert Band students may participate in the Marching Band that involves after school rehearsals and extra-curricular performances. Instruments and uniforms may be rented at an additional cost. Students may take band in subsequent terms for additional elective credit(s).

Prerequisites: Audition and Selection by Band Director Fee: \$25

Band, Jazz

Jazz Band is for students who wish to enhance their study of the jazz music art form. Topics of study include jazz styles, syncopation, articulation, small ensemble playing, and improvisation.

Prerequisites: Beginning Band, Concert Band or Symphonic Band; and Audition and Selection Fee: \$25

Band, Symphonic

Symphonic Band is for students who demonstrate instrument-playing proficiency at the advanced level. Emphasis is placed on strengthening and mastering musicianship, knowledge of music theory and its application to playing, and participation in chamber ensembles. Symphonic Band students have opportunities to perform at festivals, competitions, concerts, and community events. Symphonic Band students may participate in the Marching Band that involves after school rehearsals and extra-curricular performances. Instruments and uniforms may be rented at an additional cost. Students may take band in subsequent terms for additional elective credit(s).

Prerequisites: Instrumental Techniques, Audition and Selection Fee: \$25

Instrumental Level I (Formerly Music Appreciation) (one credit OR one-half credit)

Students in this course play instruments and study the elements of music. Students will perform, compose, and criticize instrumental music. Other topics will include 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 an imitating tone; and history of instruments.

Prerequisite: None Fee: None

Instrumental Level II

Using musical instruments, students in this course perform, compose, analyze, criticize, sight read, and notate music. They study history, elements of music, and conducting patterns. Students may take this course in subsequent terms for additional elective credit(s).

Prerequisite: None Fee: \$25

Instrumental Level III

Students who take Instrumental Level III will participate in specialty band settings. These include chamber ensembles and small groups such as woodwinds, brass and percussion. This class is intended to provide more intense, individual training for students. Students may take this course in subsequent terms for additional elective credit(s).

Prerequisite: None Fee: \$25

Dance, Level I

This is an introductory course to dance styles and elements. The course will focus on the fundamentals of dance technique, movement, and composition as well as study of the history of dance. The goal of this course is to enhance knowledge of dance terminology and to improve dance ability and coordination. Students will be responsible for providing required dance shoes and attire for this course.

Prerequisite: None Fee: \$25

Dance, Level II

This course is an advanced dance course designed for students with a sound background in dance. Students enrolled in this course should already have knowledge of dance terminology as well as proper dance technique. This course will focus on exploring more complex choreography in addition to historical and cultural concepts of dance. Students will also learn to relate music and movement through self-choreographed pieces. Students may take dance in subsequent terms for additional elective credit(s).

Prerequisites: Dance Level 1 and Teacher Approval or Teacher Approval following audition Fee: \$25

Theatre, Level I

This introductory course is the study of dramatic performance, play production, and theater language and conventions. Students develop concentration skills, self-confidence, and poise through participation in class activities. Units of study include theatre history, stagecraft, acting, and dramatic criticism. Student projects may involve directing, playwriting, and technical aspects of theatre such as costuming, lighting, and sound design. Performance in front of an audience is an aspect of Theatre.

Prerequisite: None Fee: \$25

Theatre, Level II

Students in this one credit elective course explore concepts of theatre, including styles of performance, playwriting, improvisation, and technology. In addition, students work on character development, script analysis, collaboration, and the role of technical theatre in a production. Students will survey the history of theatre and examine current legal and ethical issues. Performance in front of an audience is an aspect of Theatre.

Prerequisites: Teacher Approval and Theatre Level I Fee: \$25

Vocal Level I

Chorus members study music theory, sight-reading, rhythm, and choral technique. This course is for students who have not had extensive musical training or experience. Chorus members have opportunities to practice and perform a variety of musical selections at concerts, festivals, and community events. Additional costs may include uniforms, travel, or other expenses. After-school rehearsals and/or performances may be required. Students may take choral courses in subsequent terms for additional elective credit(s).

Prerequisites: Audition and Selection Fee: \$25

Vocal Level II

This course is an advanced performance choir for students with choral music experience. Students enhance their skills through the study of music history, music appreciation, rhythms, music reading, and vocalization. Chorus members have opportunities to practice and perform a variety of musical selections at concerts, festivals, and community events. Uniforms, after-school rehearsals, and extra-curricular performances may be required. Students may take choral courses in subsequent terms for additional elective credit(s).

Prerequisites: Vocal Music Level 1, Audition and Selection Fee: \$25

Vocal Level III

This course is an advanced performance choir for students with choral music experience. Students apply prior knowledge as they continue to develop fundamental music skills and concepts to meet new challenges presented in Level III. Uniforms, after-school rehearsals, and extra-curricular performances may be required. This course fulfills the Fine Arts requirement. Students may take choral courses in subsequent terms for additional elective credit(s).

Prerequisites: Vocal Music Level II, Audition and Selection Fee: \$25

Vocal Level IV

This course is an advanced performance choir for students with choral music experience. This course is designed to extend students' vocal music knowledge and skills and to provide students with a deeper understanding and appreciation of the study of music. Uniforms, after-school rehearsals, and extra-curricular performances may be required. This course fulfills the Fine Arts requirement. Students may take choral courses in subsequent terms for additional elective credit(s).

Prerequisites: Vocal Music Level III, Audition and Selection Fee: \$25

ACADEMIC ELECTIVES AND OTHER ELECTIVES

AAS: Community Based Instruction – Grades 9-12

This course is for students enrolled in a community based instruction course using alternate achievement standards (Extended Standards). This course may be used to fulfill the health requirement using alternate achievement standards.

Prerequisite: None Fee: None

AAS: Elective – Grades 9-12

This course is for students enrolled in an elective course using alternate achievement standards (Extended Standards). This course may be used to fulfill the health requirement using alternate achievement standards.

Prerequisite: None Fee: None

AAS: Vocational – Grades 9-12

This course is for students enrolled in a vocational course and are assessed using alternate achievement standards (Extended Standards). This course may be used to fulfill the health requirement using alternate achievement standards.

Prerequisite: None Fee: None

Acting

Acting extends the study of skills learned in Introduction to Theatre. Students participate in acting or technical roles in class. Students in this course are also expected to participate in school productions and competition. Units of study include vocal technique; theatrical movement; script analysis and character development; scenic, lighting, and costume design; directing; and acting theory and method. This course may NOT be used to fulfill the fine arts graduation requirement. Students may take Acting in subsequent terms for additional elective credit(s).

Prerequisite: Theatre Level 1 Fee: \$25

Advanced Research and Writing (one credit OR one-half credit)

The primary objective of this elective course is to assist students with advanced research and writing skills in preparation for AP examinations. Students engage in activities designed to enhance their abilities in critical reading, analysis, and college-level writing. Students work with primary and secondary source documents and engage in Internet-based research. This course may not be used to fulfill core course requirements.

Prerequisites: Any AP course and/or previous advanced English course and teacher recommendation Fee: None

AHSGE Review (one credit OR one-half credit)

AHSGE Review is designed for students who have not passed all required sections of the Alabama High School Graduation Exam. Activities include individualized remediation instruction and practice on topics not mastered on the exam. The course is required for any twelfth grade student who is deficient in any portion of the AHSGE. Students may take this course in subsequent terms for additional elective credit(s).

Prerequisite: Deficiency on One or More Sections of the AHSGE Fee: None

Art-Three-Dimensional Art

In Three-Dimensional Art (formerly titled Sculpture and Ceramics), students learn to take ideas from two-dimensional designs and drawings and turn them into three dimensions using paper, plaster, wood, clay, and a variety of other media and found objects. Art history and criticism are aspects of this course. Three-Dimensional Art may be taken in subsequent terms for additional elective credit(s). This course does NOT fulfill the Fine Arts graduation requirement.

Prerequisites: Visual Arts Level I and Teacher Recommendation Fee: \$25

Art-Two-Dimensional Art

Formerly titled Painting/Printmaking, this course is a study of painting, printmaking, and related media. Students continue to expand their knowledge in art history, aesthetics, and criticism through the production of two-dimensional visual art. Two-Dimensional Art does NOT fulfill the Fine Arts graduation requirement. Students may take this course in subsequent terms for additional elective credit(s).

Prerequisites: Visual Arts Level I and Teacher Recommendation Fee: \$25

Basic Skills Electives

Basic Skills Elective courses are available to those students pursuing a Graduation Certificate. Students pursuing an Alabama High School Diploma or an Alabama Occupational Diploma may not take these courses for credit.

Basic Daily Living Skills I **Basic Job Skills**
Basic Social Skills **Basic Daily Living Skills II**

Prerequisite: Teacher Recommendation Fee: None

College/Career Preparation (Formerly ACT Prep) (one credit OR one-half credit)

This course is designed to improve student competence in areas tested on standardized college entrance examinations. College bound students who have completed or are currently enrolled in Algebra II or Algebra II with Trig will benefit most from participation in test preparation activities. Students will explore careers, prepare resumes, and research scholarship programs.

Prerequisite: None Fee: \$25

Contemporary Literature

Contemporary literature is a contemporary course in a seminar setting. Students discuss, compare, critique and analyze works of popular modern authors. Students also explore thematic patterns and examine authors' purpose and style while improving independent reading skills and overall reading success. Students will be required to share, verbally and in writing, their analyses of a wide variety of contemporary works.

Prerequisite: None Fee: None

Creative Writing (one credit OR one-half credit)

This elective is designed to provide students opportunities to write creative, original works of prose, poetry, and drama. Students engage in various writing activities including mimicking styles, developing pieces based on visual and audio prompts, writing in groups, and writing on self-selected themes. Students are expected to take constructive criticism for the purpose of improvement. Students will learn to critically evaluate their own work and the works of others. Students may be asked to subscribe to a literary publication and to submit work for publication and/or competitions. This course does NOT fulfill the graduation requirements for Fine Arts or the English core. Students may take this course in subsequent terms for additional elective credit(s).

Prerequisite: None Fee: None

Creative Writing 2 (one credit OR one-half credit)

Creative Writing 2 expands on the concepts taught in Creative Writing. Students will submit work for various competitions and develop works for publication. Students will fine tune their skills in writing and focus on a specific area of interest, such as fiction writing, nonfiction writing, poetry, or playwriting; students will develop a portfolio of writing samples and published articles for college admissions and internship interviews. This course does NOT fulfill the graduation requirements for Fine Arts or the English core.

Prerequisite: Creating Writing Fee: None

Dance Line (one credit OR one-half credit)

Dance Line is designed to allow members to enhance their dance skills, provide quality entertainment, promote school spirit, and emphasize cooperative teamwork. Members must be in good physical condition, willing to practice after school and during summer months, and available for scheduled performances. Additional costs may include uniforms, travel, or other expenses associated with performances. This course does NOT fulfill the Fine Arts graduation requirement. Prerequisite: Selection through Try-Outs Fee: \$25

Debate (one credit OR one-half credit)

Research skills, logic and persuasion, and public speaking are all part of a debate class. Students will participate in activities that encourage all three of these elements. Students will learn how to perform in various oral interpretation activities. Opportunities to participate in debate tournaments may be available. Prerequisite: Speech Fee: None

Advanced Drawing and Design

This course is designed to give the student more opportunities to develop their drawing skills and be able to compete at competition level. Students will use various dry media such as pencils, colored pencils, charcoal in creating innovative two-dimensional drawings and designs. Students may take this course in subsequent terms for additional elective credit(s). This course does NOT fulfill the Fine Arts graduation requirement. Prerequisites: Art teacher recommendation, Visual Art I and 2-D Art Fee: \$25

European History, Advanced Placement ****

AP European History is offered for the capable and ambitious student. It is designed to provide students with the analytical and factual information necessary to deal critically with problems and issues in the history of Europe. Students use advanced reading, writing, and evaluative skills to examine the development of European civilization from the 14th century to the present. Students enrolled in this course must take the AP exam to earn weighted credit. Prerequisite: Previous Social Studies Course Fee: \$25 plus AP exam fee

Flag Corps/Color Guard (one credit OR one-half credit)

Flag Corps/Color Guard members perform with the Marching Band at athletic events, band competitions, and community events. Students who participate in Flag Corps/Color Guard should be in good physical condition, willing to practice after school and during summer months, and available for scheduled performances. After marching season, Flag Corps/Color Guard members may be required to play instruments in the Concert or Symphonic Band. Additional costs may include uniforms, travel, or other expenses associated with performances. This course does NOT fulfill the Fine Arts graduation requirement. Prerequisite: Selection through Try-Outs Fee: \$25

Freshman Seminar (one credit OR one-half credit)

This course is designed to help ninth graders make the most of their high school experience through development of good study habits, building resumes, selecting appropriate extra-curricular activities, handling peer pressure, and making suitable career choices. Topics will include introduction to school, preparing for coursework, counseling department orientation, planning for post-graduation options, community involvement, and others. Prerequisite: 9th Grade Status Fee: None

Graphic Arts

Graphic Arts is intended to teach the techniques and skills used in the job market by graphic designers. Students will experiment with a variety of media and technologies. Students will continue to expand their knowledge of drawing; elements and principles of art; art history; criticism; and aesthetics. Students may take this course in subsequent terms for additional elective credit. This course does NOT fulfill the Fine Arts requirement for graduation. Prerequisites: Visual Arts Level I and Teacher Recommendation Fee: \$25

History through Film (one credit OR one-half credit)

History through Film focuses on American history through the use of film. Films focused on military history, social history, key American individuals, and regional cultures will be used to promote critical thinking skills about topics in American history. The medium of film will be used to engage students in discussion, stimulate debate, and improve writing skills. Prerequisite: None Fee: None

Legal Issues

This course is offered to provide students with a basic understanding of their legal rights and responsibilities. The course addresses general problems in the areas of criminal and juvenile justice, torts, consumer issues, family law, housing issues, and issues of individual liberty. Students examine the practical aspects of law in everyday life. Emphasis is placed upon the basic values and principles of the American judicial system. This course may be taken as elective credit; it may not be used to fulfill core course requirements. Prerequisite: None Fee: None

Literature through Film (one credit OR one-half credit)

Literature through Film will analyze the film industry's adaptations of literature. The literature studied in the class will range from American to British to world. The different literacy genres studied will include myths and fairy tales, short stories, poetry, dramas, graphic novels, non-fiction, and contemporary and classic novels. Students will learn to critically analyze texts through various literary theories and then apply their understanding of the texts' literary elements to their analysis of the texts' cinematic versions. The class will compare and contrast the original texts with their film adaptations and analyze the significance of their findings. The class will further develop students' advanced literacy and film analysis skills, writing skills, and presentation skills. The class will culminate in a group project in which students will script, film, and produce a cinematic interpretation of a selected piece of literature. Prerequisite: None Fee: None

Majorette (one credit OR one-half credit)

Majorettes perform with the Marching Band at athletic events, band competitions, and community events. Students who participate as majorettes should be in good physical condition, willing to practice after school and during summer months, and available for scheduled performances. After marching season, majorettes may be required to play instruments in the Concert or Symphonic

Band. Additional costs may include uniforms, travel, or other expenses associated with performances. This course does NOT fulfill the Fine Arts graduation requirement.

Prerequisites: Try-Outs and Selection Fee: \$25

Mass Media

This English elective explores the world of communication arts: newspaper, television, radio and film. Students will receive hands-on experience in each area and will study the history of each medium, as well as its impact on society. Students should be prepared to develop, write, and produce various media projects. Students may take Mass Media in subsequent terms for additional elective credits. Journalism is now incorporated into this course.

Prerequisites: Application and Selection Fee: \$25

Math Seminar (one credit OR one-half credit)

This preparatory course will be mandatory for entering ninth grade students who would benefit from more experience in basic math skills. Placement will be determined by scores on eighth grade standardized tests and teacher recommendation. Math deficiencies will be addressed individually. Students will receive elective credit for this course.

Prerequisite: Teacher Recommendation or IEP Placement Fee: None

Musical Theater

Musical Theater is a performance elective that provides students with opportunities to perform musical productions during the year. Singing and acting skills are developed through auditions, rehearsals, and performances. Some after-school rehearsals and extra-curricular performances are required. This course may NOT be used to fulfill the Fine Arts graduation requirement. Students may take musical theater in subsequent terms for additional elective credit(s).

Prerequisites: Audition and Selection Fee: \$25

Music Theory, Advanced Placement

This course is designed to develop musical skills that will lead to a thorough understanding of music composition and music theory. Students engage in the study of musical structure, composition analysis, notational systems, arrangement for instruments and/or voices, and improvisational accompaniment on the piano or other instruments. Students enrolled in this course must take the AP exam to earn weighted credit.

Prerequisites: Application and selection Fee: \$25 plus AP exam fee

Mythology and Fable

In this English literature elective course, students read, discuss, analyze and write about myths and fables from ancient Greece and Rome, Egypt, Mesopotamia, China, Japan, and India. Students also examine Native American and Norse myths and fables. Students explore the influence of mythology on modern language, culture, and daily life and compare ancient and modern epic heroes. This course may may not be used to fulfill core course requirements.

Prerequisite: None Fee: None

Photography

This course is designed to teach basics of photography and filmmaking. Students may take Art courses in subsequent terms for additional elective credit(s). This course may NOT be taken in subsequent terms for additional elective credit(s).

Prerequisites: Visual Arts Level I and Teacher Recommendation Fee: \$25

Psychology

Psychology introduces the student to the field of psychology by drawing upon the research and theories of a wide range of scientists and practitioners. Areas of study in this elective course include developmental and physiological psychology, sensation, perception, motivation, emotion, personality, mental disorders and therapies. Students employ inductive reasoning, divergent thinking, independent study, and written and oral expression as they examine the field of psychology.

Prerequisite: 10th, 11th, or 12th Grade Status Fee: None

Psychology, Advanced Placement

Advanced Placement Psychology is designed to provide students the opportunity to engage in an in-depth, systematic and scientific study of the behavior and mental processes of human beings and other animals. Students employ the methods psychologists use in their science and practice through hands-on experimentation. The course provides students with learning experiences equivalent to that of a typical college introductory psychology course. Upon completion of the course and satisfactory performance on the AP exam, students may earn advanced placement and/or credit upon entering college. Students enrolled in this course must take the AP exam to earn weighted credit.

Prerequisites: 11th or 12th Status and Biology Fee: \$25 plus AP exam fee

Reading Seminar (one credit OR one-half credit)

This preparatory course will be mandatory for entering ninth grade students who would benefit from more experience in basic reading skills. Placement will be determined by scores on eighth grade standardized tests and teacher recommendation. Reading deficiencies will be addressed individually. Students will receive elective credit for this course.

Prerequisite: Teacher Recommendation or IEP Placement Fee: None

School Publications

School Publications (formerly known as Yearbook Production) provides students with opportunities to learn a variety of practical skills: accounting, printing, layout, photography, advertising, interviewing, copy writing, editing, and cooperative learning. Students produce the school yearbook by participating in all aspects of planning, production, marketing, and distribution. Class activities may require after school or weekend participation. Students may take School Publications in subsequent terms for additional elective credit(s).

Prerequisite: Application Fee: None

Service Learning (one credit OR one-half credit)

In this course, 12th grade students will participate in classroom-based, school-based, and community-based projects throughout the course. Service learning is coordinated with a school or community service program and with the community. It is integrated into and influences the lifelong learning of a participant and includes structured time for the participants to reflect on the



service experience. Service learning teaches the skills of civic participation and develops an ethic of service and civic responsibility. Students will provide service in the community through public, nonprofit agencies, civic, charitable and governmental organizations and school campuses.

Prerequisite: None Fee: \$25

Sociology

Sociology is the study of human society and social behavior. This elective course includes the study of cultures, cultural variation, cultural adaptation, socialization of the individual, adolescence, social stratification, social institutions, and social problems. Student activities include analysis of readings, written papers, research, discussion, critical analysis of information. This course may not be used to fulfill core course requirements.

Prerequisite: None Fee: None

Southern Literature

Southern Literature will take students in grades nine through twelve through an extensive and unique text set focused on exploring the development and progression of personal and cultural identities throughout the American South. Students will discuss, debate, critique and analyze literature (novels, short stories, poems, articles, songs, etc.) that explores themes prevalent in Southern culture and theory. Students will learn about a variety of uniquely Southern traditions, pastimes, and histories and how those events shape the American popular consciousness of the South. Each student will be expected to share, both out loud and in writing, their personal analyses of the works discussed in class. Daily activities will consist of whole class discussion of thematic elements, journaling about personal experiences related to those themes, and group activities aimed at fostering a deeper understanding of Southern culture. Most importantly, each student will take part in the deconstruction of Southern stereotypes and the reconstruction of a more accurate, more diverse concept of what it means to be a Southerner.

Prerequisite: None Fee: \$25

Speech (one credit OR one-half credit)

Speech is an English elective that allows students to explore the many areas of speech communication, to improve speaking and listening skills, and to build self-confidence through participation in oral communication activities. Units of study include group participation, public speaking, storytelling, parliamentary procedure, oral interpretation, theater, and mass communication. This course does NOT fulfill the graduation Fine Arts requirement. Students may take Speech in subsequent terms for additional elective credit(s).

Prerequisite: None Fee: None

Study Strategies (one credit OR one-half credit)

The purpose of this course is to enhance organization, listening, note-taking, and time management skills so that students can learn to manage their own learning style effectively and appropriately for academic success. This course is designed for students to be accelerated in the four core academic courses.

Prerequisite: IEP/504/PST Recommendation or administrative placement based upon previous academic progress Fee: None

Vocal Ensemble

Vocal Ensemble is an advanced performance group for students with choral music experience. Students have opportunities to develop and demonstrate their musical abilities in a wide variety of performance styles. Vocal Ensemble members have opportunities to perform at concerts, festivals, and community events. Uniforms, after-school rehearsals, and extra-curricular performances may be required. This course does NOT fulfill the Fine Arts requirement. Students may take choral courses in subsequent terms for additional elective credit(s).

Prerequisites: Chorus Experience, Audition and Selection Fee: \$25

CAREER TECHNICAL EDUCATION ELECTIVES

Bus transportation may be available for students taking career technical education courses taught at Holt High School, Echols Middle School, and Tuscaloosa Career and Technology Academy. Students may be allowed to drive personal vehicles to Holt High School, Echols Middle School, and Tuscaloosa Career and Technology Academy pending written parental consent. For some career technical courses, students must provide their own transportation.

All students who are employed through the Work-Based Learning/COOP Programs and/or leave the school campus to participate/enroll in a learning environment with business/industry must be prepared to adhere to industry required/OSHA standards or drug testing.

AGRIBUSINESS AND AGRICULTURE COURSES

Due to facility limitations, these courses are taught only at Brookwood High School or Tuscaloosa Career Technology Academy.

NOTE: Students enrolled in Agribusiness Management, Agribusiness Marketing, Agriscience, Animal Biotechnology, Animal Science, Construction Site Preparations and Foundations, courses are eligible to participate in the student organization FFA to develop leadership skills and to explore careers related to agriculture.

BUSINESS/MARKETING EDUCATION

See Accounting; Advanced Accounting; Banking and Financial Services; Business Essentials; Business Technology Applications; Advanced Business Technology Applications; Cooperative Education and Seminar (Work Based Learning); Information Technology Fundamentals; Law in Society; Marketing Principles; Multimedia Designs; Multimedia Publications; Network I, II, and III; and Workforce Essentials.

NOTE: Students enrolled in these courses are encouraged to participate in Future Business Leaders of America (FBLA), a student organization for the development of leadership, social, civic, and business-related skills.

CAREER/TECHNICAL PROGRAMS/COURSES

See listings for Agriscience courses; Architectural Design courses; Automotive Service Technology courses; Construction courses; Child Development; Cooperative Education and Seminar (Work Based Learning); Creative Floral

Design; Architectural and Drafting Design courses; Education courses; Fashion courses; Electrical Technology courses; Fish and Wildlife Management; Graphic Arts Technology; Health Science courses; Horticulture Science; Masonry courses; Sports Turfgrass Production and Management; Welding courses; and all courses offered at the Tuscaloosa Career Technology Academy.

NOTE: Students enrolled in career technical programs are eligible to participate in the various career technical leadership organizations. These organizations include DECA, FBLA, FCCLA, FFA, FTA, SKILLS USA, or VICA.

EDUCATION

See Child Development; Education and Training; Education and Training Internship; and Teaching I and II.

NOTE: Students enrolled in the education courses are eligible to participate in Family, Career and Community Leaders of America (FCCLA) and Future Teachers of America (FTA), service organizations offering leadership activities related to teaching careers.

FAMILY AND CONSUMER SCIENCE

See Child Development; Child Services I and II; Education and Training; Education and Training Internship; Fashion; Food and Nutrition; and Teaching I and II.

NOTE: Students enrolled in the education courses are eligible to participate in Family, Career and Community Leaders of America (FCCLA) and Future Teachers of America (FTA), service organizations leadership activities related to teaching careers.

AAS: Life Skills

This course is for students who are enrolled in a life skills course and are assessed using alternate achievement standards (Extended Standards). This course may be used to fulfill the career preparedness requirement using alternate achievement standards.

Prerequisite: None Fee: None

Accounting

Accounting is for students in grades ten through twelve designed to help students understand the basic principles of the accounting cycle. Accounting is valuable for students who have a variety of career objectives. This course provides an introduction to basic financial accounting, including analyzing and recording business transactions, preparing and interpreting financial statements, demonstrating generally accepted accounting principles, and performing banking and payroll activities. The course is a Commerce and Information Technology course and it is offered in the *Finance* career cluster. Accounting counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None Fee: \$25

Accounting, Advanced

Advanced Accounting offers increased emphasis on accounting procedures using computer systems. It blends advanced accounting principles and procedures using accounting and spreadsheet software to analyze and interpret business applications. This computerized accounting course is intended to provide the student with entry-level skills in the accounting profession and/or to develop a foundation for post-secondary study. The course is a Commerce and Information Technology course and it is offered in the *Finance* career cluster. Advanced Accounting counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: Accounting Fee: \$25

Agribusiness Management (one credit OR one-half credit)

This course provides students with a basis for making effective decision, setting goals, assessing and solving problems, appraising financial progress and success, evaluating the management of resources, and gaining skills useful in the agricultural industry. Students also evaluate national and international policies, regulations, and values that affect the production and trade of agricultural commodities. Topics include career opportunities, safety, principles of agribusiness economics, financial management, marketing agricultural products, business regulations, and entrepreneurship. This course is offered in the *Agribusiness System* career cluster. Agribusiness Management counts as a prerequisite for WBL-Cooperative Education. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: None Fee: \$25

Agribusiness Marketing

Agribusiness Marketing is a one credit course that provides students with the opportunity to develop an understanding of the principles and practices of marketing as related to agriculture products and services. Students learn fundamental aspects of developing a business plan; establishing and maintaining an effective and profitable business strategy; and exploring various aspects of marketing concepts, marketing risks, advertising, agreements, and contracts. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: Agriscience Fee: \$25

Agriscience (one credit OR one-half credit)

In Agriscience students receive instruction in the areas of environmental science, biotechnology, plant and soil science, animal science, conservation and natural resources, and aspects of agricultural technology. Students participate in hands-on learning activities, safety instruction, employability skills training, and student leadership development organization activity topics include service, emission controls, machinery tools, steering systems, and applied studies. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: 9th Grade Status Fee: \$25

Animal Biotechnology

This one credit course provides opportunities for students to become knowledgeable of the principles and practices of animal genetics and biotechnology as related to agricultural products and services. Emphasis is placed on the impact of animal biotechnology, and applied genetics and breeding. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: 9th Grade Status Fee: \$25

Animal Science

A one credit course that provides instruction and opportunities to participate in activities related to animal science. Emphasis is placed on breed identification,



nutrition, disease control, and reproduction. Specific content standards to be included in each course are indicated in the Course of Study chart. Due to facility limitations, this course is taught only at Brookwood High School.
Prerequisite: 9th Grade Status Fee: \$25

Architecture, Construction and Manufacturing

This foundation course provides students with an overview of the Architecture and Construction career cluster, which includes three pathways: Construction, Design and Preconstruction, and Maintenance Operations. Students in this foundation course will be provided an opportunity to engage in challenging curricula and develop technical skills in the areas of safety, related mathematics, usage of hand and power tools, construction industry, blueprint reading, basic rigging, and basic employability skills. Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.
Prerequisite: None Fee: \$25

Automotive Service Technology I

2 courses/2 credits

Automotive Service Technology is one of the pathways in the Transportation, Distribution, and Logistics cluster of the Career Technology Division. It includes training in the use of computer and other electronic diagnostic and testing equipment, technical manuals, and industry utilized problem-solving methods. Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School. The purchase of safety glasses and hard leather shoes (no tennis shoes) is required.

Automotive Brakes

This course provides students with classroom and laboratory instruction in diagnosis and repair of general, hydraulic, drum, disc, power assist unit, antilock, and traction control brake systems.

Automotive Suspension and Steering

This course provides students with classroom and laboratory instruction in general diagnosis and repair of suspension and steering systems; wheel alignment diagnosis, adjustment, and repair; and wheel and tire diagnosis and repair.

Prerequisite: None

Fee: \$25

Automotive Service Technology II

2 courses/2 credits

Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.

Automotive Electrical and Electronic Systems I

This course provides laboratory and classroom experience on diagnosis, service and repair of general electrical systems; starting systems; batteries; gauge/warning devices; driver information systems; and horn/wiper/washer and accessories.

Automotive Engine Performance I

This course provides students with knowledge and skills regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems.

Prerequisites: Automotive Service Technology and teacher approval Fee: \$25

Automotive Service Technology III

2 courses/2 credits

Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School. **Automotive Electrical and Electronic Systems II**

This course provides students with classroom and laboratory experiences regarding diagnosing and repairing general electrical systems; batteries; starting systems; charging systems; lighting systems; gauge/warning devices; driver information systems; and horn/wiper/washer and accessories.

Automotive Engine Performance II

This course provides students with in-depth information regarding general engine diagnosis, computerized engine controls, ignition systems, fuel systems, and emission control systems.

Prerequisites: Automotive Service Technology 2 and teacher approval Fee: \$25

Automotive Service Technology IV

2 courses/2 credits

Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School.

Automotive Engine Repair

This course provides students with advanced classroom and laboratory experiences in the repair of the Automotive Engine.

Automotive Heating and AC

This course provides students with classroom and laboratory experiences regarding system operations, repairs, and service procedures for the heating and air conditioning systems.

Prerequisites: Automotive Service Technology 3 and teacher approval Fee: \$25

Banking and Financial Services

Banking and Financial Services is designed to help students develop skills in banking and related services as they process customer transactions, maintain cash drawer, process documents, and respond to customer requests to provide other customer services. Application skills are utilized by practicing lending functions, including aiding the customer and determining the best loan alternative, processing the customer's application to include appropriate information, and processing the loan to complete transactions. The course is a Commerce and Information Technology course and it is offered in the Finance career cluster. Banking and Financial Services counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None

Fee: \$25

Business Essentials

Business Essentials is designed to introduce students to commerce and information technology. Students learn about different types of business ownership and engage in leadership, entrepreneurship, ethics, business management and finance, safety, and communication and interpersonal skill activities. The course serves as a foundation for other Commerce and Information Technology courses and it is offered in the *Business Management*

and *Administration and Marketing* career cluster. Business Essentials counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None

Fee: \$25

Business Technology Applications (one credit OR one-half credit)

Business Technology Applications is designed to assist students in developing technological proficiencies in word processing, spreadsheets, databases, presentations, communications, Internet use, ethics, and careers using technology applications. Simulations and projects promoting teamwork, leadership, and workplace skills offer further opportunities for applications of knowledge and skills. The course serves as a foundation for other Commerce and Information Technology courses and is offered in all career cluster areas. Foundation courses are best taken during the ninth grade or tenth grade year since they are the basis for future CTE courses. Business Technology Applications counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None

Fee: None

Business Technology Applications, Advanced

This course, formerly titled Integrated Computer Technology, provides students with project-based applications of concepts learned in Business Technology Applications. Emphasis is placed on constructing written communications; designing spreadsheets, charts, graphs, and databases; preparing multimedia presentations.

Prerequisite: Business Technology Applications

Fee: \$25

Career Preparedness

REQUIRED FOR ALL STUDENTS ENTERING NINTH GRADE IN THE 2013-2014 AND LATER.

This course is required for graduation and is taught in grades nine through twelve (should be taken in grade nine). Through this course, students will gain content knowledge and skills to prepare them for college and career readiness. As part of an increased focus on readiness for college and career, this course will provide students with skills in financial literacy, technology, and career planning. Students will participate in activities involving understanding the use of credit, budgeting, economic trends, etc., as well as working to develop sound technology skills in research and application of information. Career exploration and planning and the development of an academic plan to accomplish educational and career goals are also fundamentals of this course. This course is designed to meet the required 20-hour online experience.

Prerequisite: None

Fee: None

Carpentry I

Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School. Carpentry I is designed to provide students with the fundamental knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, use of hand and power tools, building materials, fasteners, adhesives, and flooring systems. Students are introduced to concrete forms and reinforcing materials, blueprint reading, and site preparations.

Prerequisite: None

Fee: \$25

Carpentry II

Due to facility limitations, this course is taught only at Holt High School for students enrolled at Brookwood High School, Holt High School, and Tuscaloosa County High School. Carpentry II is designed to provide students in grades ten through twelve with advanced knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, wall, ceiling, and roof framing; windows; entrance doors; and basic stair layout.

Prerequisite: Carpentry I

Fee: \$25

Child Development (one credit OR one-half credit)

This one credit Career Connections course is designed to summarize the benefits of child development. This study includes learning about the physical, emotional, social, and intellectual developmental needs of children from infancy through adolescents. Students will explore related career opportunities. The required school-based laboratory is an early childhood education facility. Students must provide their own transportation.

Prerequisite: None

Fee: \$25

Child Services I

This course is open to students in grades ten through twelve. The course provides knowledge in growth and development and ways to provide services to children. Major topics include developmental theories; types of child services; career options; professionalism and ethics; and national, state, and local agencies who support children. Observational experiences are encouraged in this course.

Prerequisite: Family and Consumer Science

Fee: \$25

Child Services II

This course is open to students in grades ten through twelve that have successfully completed Child Services I. It provides students with knowledge in management of child service facilities. Major topics include guidance techniques; curriculum development; first aid; development of policies and procedures; facility design; role of director and staff; regulations and licensure requirements; career opportunities.

Prerequisite: Child Services I

Fee: \$25

Computer Programming Basic I (one-half credit)

This course is designed to introduce students in grades ten through twelve to programming concepts using visual objects to develop software applications. It is intended to be a beginning programming course in which students use Scratch™ and App Inventor™ to learn computational and mathematical ideas, while also learning to think creatively, reason systematically, and work collaboratively. Projects created can be shared online and installed on Android™ phones.

Prerequisite: Business Technology Applications

Fee: \$25

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. This course is a foundation course to other

Agriculture, Food and Natural Resources clusters. The course is offered in the *Agriconstruction* career cluster. This course counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None Fee: \$25

Cooperative Education and Seminar (Work-Based Learning)

WBL-Cooperative Education is a paid educational program consisting of in-school instruction combined with program-related on-the-job work experience in a business or industrial establishment. Students develop competencies and training that will contribute to college and career preparation. The program is supervised by the WBL Coordinator and the employer to ensure that student training is progressive and meaningful. The program gives the student a chance to observe first-hand "high skill, high wage, or high demand" career areas. Students must be eleventh or twelfth graders and at least sixteen years of age. Students must have a clear objective in a career cluster and possess the knowledge, skills, behavioral qualities and abilities required for successful employment. To earn one course credit a student must work a minimum of 270 hours/semester or an average of 15 hours/week. To earn two course credits a student must work a minimum of 540 hours/semester or an average of 30 hours/week.

Seminar class is a required component of the program. Students must meet with the WBL Coordinator the equivalent of one full class period per week to discuss workplace issues, submit required reports, and create/maintain a career portfolio. Students will train for the CRC-Alabama Career Readiness Certificate that gives employers and job seekers a uniform measure of key workplace skills. Students are required to participate in a Career and Technical Student Organization for leadership development. The program will provide employment opportunities for all students regardless of race, color, national origin, sex, disability, age, religion, or marital status. The main benefit is real-world business experience for all students.

Prerequisites: Two credits in a CTE program; Workforce Essentials; Application packet and required forms submitted to WBL Coordinator; Reliable transportation to interview and to work. Students must be approved by the WBL Coordinator for program acceptance Fee: \$25 per credit

All students who are employed through the Work-Based Learning/COOP Programs and/or leave the school campus to participate/enroll in a learning environment with business/industry must be prepared to adhere to industry required/OSHA standards or drug testing.

Education and Training

This one credit course is designed for students who are interested in pursuing careers in education. Content standards guide students to discover the teaching and learning processes and career opportunities in the field of education. Course content includes the organizational structure of education careers, the role of the teacher, characteristics of effective teachers, communication skills, the teaching and learning processes, learning styles, research, characteristics of positive classroom environments, human growth and development, curriculum development, student characteristics, teaching techniques, learning activities, educational initiatives, technology and careers. See Teaching I and II for additional education training courses.

Prerequisite: Teacher Approval Fee: \$25

Education and Training Internship

Education and Training Internship is a one credit Career Connections course for eleventh and twelfth grade students who are interested in pursuing careers in the education field. Students who have completed the Education Training, Teaching I, and Teaching II courses are eligible to enroll in this course. The school-based laboratory for the internship is an actual classroom that provides instruction in the subject-matter areas related to the student's interest. Internship at the elementary or secondary school level is part of the laboratory requirement. Students must provide their own transportation to internship sites.

Prerequisites: Education Training, Teaching I and II, and Teacher Recommendation Fee: 25

Family and Consumer Sciences

This is a comprehensive, one credit course that serves as the foundational course in Family and Consumer Science Education. Students explore family food, clothing, housing, financial, and consumer needs. Additional concepts of study include goal setting, etiquette, table setting, marriage readiness, parenting issues, balancing work and family, decision-making, technology, and career options related to family life.

Prerequisite: None Fee: \$25

Family Studies I

This course is designed for students in grades tenth through twelfth 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.

Prerequisite: None Fee: \$25

Fashion (one credit OR one-half credit)

Fashion is a one credit course in Family and Consumer Science Education. Students will explore clothing decisions and acquisition; apparel history; clothing care and construction; and technology and careers. A school-based fashion sewing laboratory is required for this course.

Prerequisite: None Fee: \$25

Fish and Wildlife Management (one credit OR one-half credit)

Fish and Wildlife Management is a one credit course that provides students with the opportunity to develop an understanding of the important role these natural resources play in the ecosystem. Topics include careers; outdoor safety; history and administration of fish and wildlife management; fish and wildlife issues; sport hunting; and outdoor recreation. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: Agriscience Fee: \$25

Floral Design and Interiorscaping

This course is designed to introduce students to the floral industry. Topics include career opportunities, safety, floral design, and interiorscaping. This course encourages critical thinking, use of the scientific method, integration of technology, development of student leadership skills, and application of

knowledge and skills related to practical questions and problems. The course is offered in the *Floral Design* career cluster. This course counts as a prerequisite for WBL-Cooperative Education. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: None Fee: \$25

Specialty Floral Design and Management

Specialty Floral Design and Management is a one credit course designed to enhance students' knowledge of business operations, management, and floral design skills. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: None Fee: \$25

Food and Nutrition (one credit OR one-half credit)

Food and Nutrition, formerly Food Dynamics, is a one credit course for the study of food, nutrition, and wellness. Students will practice planning, preparing, and serving meals. They will also plan and prepare special occasion foods and cuisines from around the world. Other topics will include the food supply, nutrition, technology and careers.

Prerequisite: None Fee: \$25

Health Science for Sophomores

Human Body Structures and Functions

This is a one credit course designed to help students develop a basic knowledge of the normal structure and function of the human body. The course uses an integrated approach for teaching medical terminology to the health care student by incorporating medical terminology into instruction regarding human body structures and functions and the disease process.

Prerequisite: 10th Grade Status Fee: \$25

Health Science for Juniors

Foundations of Health Science

Foundations of Health Science provides students in eleventh grade with the content knowledge for all subsequent health science courses. The course focuses on integrated academics combined with healthcare knowledge and skills to provide the framework for a strong healthcare delivery system. Laboratory experiences assist students in gaining competencies necessary for employment or continued learning in the field. As a required component of this class, students will tour community healthcare related agencies and facilities. Students must provide their own transportation to off-campus activities.

Prerequisites: 11th Grade Status, Application, and Selection Fee: \$25

Health Science for Seniors

Health Science Internship I

1 credit

Therapeutic Services

1 credit

Health Science Internship I and Therapeutic Services comprise a two credit advanced course designed for students in twelfth grade gain knowledge and skills in a variety of areas including, but not limited to nursing, medicine, therapy, dentistry, pharmacy, sports medicine, and other health-related careers. 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 at the post-secondary level and a wide range of health career opportunities. This course is designed to be completed primarily in a community-based clinical setting with the healthcare professionals acting as supervisors and mentors. Students must provide their own transportation, clinical uniforms, and liability insurance.

Prerequisites: 12th Grade Status, 11th Grade Foundation of Health Science Course, and Approval by Current Health Science Instructor Fee: \$50

Horticulture Science

Horticulture Science is a one credit course in which students receive instruction about this multi-faceted industry and participate in hands-on activities in the areas of careers, technological advancements, employability skills, SAEPs, computer application, basic plant science, plant propagation, soil and media mixture, plant nutrition, greenhouse design and structures, nursery crops, hydroponics, and vegetable gardening. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: Agriscience Fee: \$25

Information Technology Fundamentals

This course is designed to provide students with skills involving the design, installation, maintenance, and operation of computer systems. Activities and topics of study include personal and business computer hardware, software, troubleshooting, repair, and installation. Wired and wireless network configuration, peripheral devices, operating systems, information technology careers, and technology ethics issues are content standards for this course. Students receive both classroom instruction and hands-on laboratory experiences. Upon successful completion of this course, students should be able to maintain, upgrade, and configure PC systems.

Prerequisite: Business Tech Applications Fee: \$25

JROTC, Army

The JROTC program provides students with learning experiences beneficial in any future career. Satisfactory completion of the program can lead to advanced placement credit in senior JROTC or advanced rank in the active Army, Army Reserve, or the National Guard. Topics of study include U. S. Military history, personal hygiene, leadership, human relations, staff functions and procedures, first aid, military map reading, techniques of oral communications, marksmanship, orienteering, drill and ceremony, and civil defense. Students in JROTC courses have opportunities to participate in a variety of extra-curricular activities that benefit the school, community, and individual. Uniforms are provided for students. Students that complete this course meet the requirement for P.E. and/or LIFE.

Prerequisite: None Fee: None

JROTC Drill and Rifle

JROTC Drill and Rifle Team members are selected from the JROTC program. Students practice and demonstrate precision drills and represent the school and program at various school and community events. Leadership, teamwork, and dedication are emphasized. Uniforms are provided.

Prerequisites: JROTC and Teacher Recommendation Fee: None

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 landscaping and xeriscaping, landscape management, and technology. The course is offered in the Plant Systems career cluster. This course counts as a prerequisite for WBL-Cooperative Education. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: None Fee: \$25

Law in Society (one credit OR one-half credit)

Law in Society is designed to acquaint students with the basic legal principles common to business activities: the law of contracts, bailment, commercial paper, insurance, business organization, employment, and real and personal property. Emphasis is placed upon business law as it affects young adults. Activities and instruction focus on the legal rights and responsibilities of students as citizens, consumers, and employees. Students are eligible to participate in FBLA, a student organization for the development of leadership, social, civic, and business-related skills. This course is a Commerce and Information Technology course in the Business, Management and Administration career cluster. Law in Society counts as a pre-requisite for WBL-Cooperative Education.

Prerequisite: None Fee: \$25

LS Occupational Preparation

This course is designed to provide work-based experience to high school students. Work-based experience is a minimum of 270 successful hours of paid employment under the supervision of a workplace mentor and the special education teacher and/or a representative of vocational rehabilitation services. This course meets the requirement of the Alabama Occupational Diploma when the school system does not have a Cooperative Education program.

Prerequisite: IEP Specifications and Placement Fee: \$25

Marketing Principles

Marketing Principles is designed to provide students with an overview of 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 relationships skills, ethics, technology applications, and communicating in the workplace. This course is a Commerce and Information Technology course in the *Marketing* career cluster and counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None Fee: \$25

Management Principles (one credit OR one-half credit)

Management Principles is 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. This course is a Commerce and Information Technology course in the *Business Management and Administration* career cluster and counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: None Fee: \$25

Metal Fabrication, Introduction to

This specialized agriscience course is designed to train students in the area of construction and metal fabrication. Topics include safety, job skills, computer applications, welding, construction techniques and building systems. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: Agriscience Fee: \$25

Metal Inert Gas (MIG) Welding and Flux Cored Arc Welding (FCAW), Introduction to

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. This course encourages critical thinking, use of the scientific method, integration of technology, development of student leadership skills, and application of knowledge and skills related to practical questions and problems. Safety concepts are integrated into instruction to the maximum extent possible. The course is offered in the *Agriconstruction* career cluster. This course counts as a prerequisite for WBL-Cooperative Education. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: None Fee: \$25 per credit

Multimedia Design

Multimedia Design is designed to provide students with hands-on skills involving interactive presentations, graphic design, digital photography, Web publishing, and digital video production. Students use a various hardware peripherals and software for creating multimedia projects. The course is offered in the *Business Management and Administration* career cluster. Multimedia Design counts as a prerequisite for WBL-Cooperative Education.

Prerequisite: Business Technology Applications Fee: \$25

Multimedia Publications

This elective course is designed to provide students skills and experiences in enhanced multimedia presentations, publication layout, graphic design, digital video production, Web design, and photography. Students will design interactive media projects utilizing various technologies.

Prerequisite: Multimedia Design Fee: \$25

Networking I

Networking I is a one credit advanced Information Technology course designed for students with prior knowledge in the areas 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 wired and wireless local area network (LAN). Topics addressed in this course include network operating systems, network architectures, network protocols, and emerging technologies.

Prerequisite: Information Technology Fundamentals Fee: \$25

Networking II

Networking II is a one credit advanced Information Technology course designed for students with a high degree of interest in advanced networking topics. Topics addressed in this course will be a continuation of those covered in Networking I at a more detailed level.

Prerequisites: Networking I and Teacher Approval Fee: \$25

Networking III

Networking III is a one credit advanced Information Technology course designed for students with a high degree of interest in advanced networking topics. Topics addressed in this course will be a continuation of those covered in Networking II at a more detailed level.

Prerequisites: Networking II and Teacher Approval Fee: \$25

Personal Finance (one credit OR one-half credit)

This course introduces students to the management of personal and family resources to achieve personal goals and financial literacy. Course content provides opportunities 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. Activities include budgeting, comparison shopping, and securing credit. This course may be taken as a Career and Technical Education elective credit but is not a prerequisite for WBL-Cooperative Education.

Prerequisites: None Fee: \$25

Precision Machining, Introduction to

This course will provide an overview of precision metal cutting using safe work habits. Emphasis is on standard machine design, construction, and maintenance. Students are introduced to workplace safety, precision measuring, lathes, milling, grinding, and drilling machines.

Prerequisite: 12th Grade Status Fee: \$25

Senior Career Pathway Project

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

Prerequisite: Successful Completion of Two Career/Tech Courses Fee: \$25

Sports Turf Grass Production Management

This one credit course provides hands-on activities in the areas of careers; safety; turf grass identification, classification, selection establishment, renovation, management, and fertilization; types of sports fields management; golf course management; turf grass pest management; pesticide application; turf grass drainage and irrigation systems; turf grass tool and equipment identification; maintenance of tools and machinery; and business management skills. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: Agriscience Fee: \$25

Teaching I

This one credit Family and Consumer Science Education course is open to students in grades ten through twelve. Students will explore funding, legal aspects of education, the learning environment, curriculum development, professionalism, technology, and careers. Internship at the elementary or secondary school level is part of the laboratory requirement. Students must provide their own transportation to internship sites.

Prerequisite: Education and Training, and Teacher Approval Fee: \$25

Teaching II

This course is open to students in grades ten through twelve who have successfully completed Education and Training and Teaching I. Students will explore instructional programs, lesson planning, assessment methods, public relations, professionalism, technology, and careers. Internship at the elementary or secondary school level is part of the laboratory requirement. Students must provide their own transportation to internship sites.

Prerequisites: Education Training, Teaching I, Teacher Approval Fee: \$25

Transition Services II

This course will provide additional transitional services preparation for 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 meets the requirement for the Alabama Occupational Diploma when the school system does not offer Workforce Essentials.

Prerequisite: IEP Specifications and Placement Fee: \$25

Transportation, Distribution and Logistics

A one credit course designed to equip students with basic knowledge of the profession including foundational skills and safety for personal and environmental practices. Students investigate various topics related to this field with emphasis on rules and regulations, ethics, job opportunities, career development and associated terminology. Students enhance communication skills by working with others on a professionally oriented team. Due to facility limitations, this course is taught only at Brookwood High School. Instruction will be on site at Brookwood High School with hands-on application at BLG Logistics, Inc.

Prerequisite: Grade 12 Fee: \$25

Veterinary Science, Introduction to

This course is designed to provide students with an introduction to the veterinary science profession. Topics include career opportunities, safety, human treatment, laws and regulations, anatomy and physiology, animal health, and veterinary services. Due to facility limitations, this course is taught only at Brookwood High School.

Prerequisite: None Fee: \$25

Welding Technology I**2 courses/2 credits**

Due to facility limitations, this course is taught only at Echols Middle School for students enrolled at Northside High School, Sipsey Valley High School, and Tuscaloosa County High School.

Introduction to Welding

This course provides students with a fundamental understanding of blueprint reading, weld symbols, and weld joints, rules for safety, and identification and use of tools and shop equipment. Students acquire knowledge for safe operation of oxy-fuel cutting and shielded metal arc welding processes. Upon successful completion of this course, students are able to interpret lines, views, and dimensions of weld joint configurations and weld symbols; identify oxy-fuel cutting equipment and components; determine proper setup equipment for application; identify safety hazards, and welding equipment related to shielded metal arc welding; and make quality welds with E-010 and E-7018 electrodes in the flat, horizontal, vertical, and overhead positions. This entry-level course may be taken as one of the optional technique courses with credit applied to the Industrial Maintenance Technology program.

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 to perform fillet welds in the 1-F and 2-F positions with E-6010 and E-7018 electrodes in accordance with the 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.

Prerequisite: Grades 10-12

Fee: \$50

Welding Technology II**2 courses/2 credits**

Due to facility limitations, this course is taught only at Echols Middle School for students enrolled at Northside High School, Sipsey Valley High School, and Tuscaloosa County High School.

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 vertical, 3-F and overhead, 4-F 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 vertical, 3-F and overhead, 4-F positions and E-6010 and E-7018 electrodes in accordance with the AWS D1.1 code and produce industry quality cuts with carbon arc cutting equipment.

Gas Metal Arc Welding I

This course provides instruction on the various transfer methods of Gas Metal Arc Welding (GMAW) fillet welds. Topics include safety, equipment setup, joint design and preparation, and gas flow rates. Upon successful completion of this course, students are able to perform fillet welds in the flat fillet, 1-F, horizontal fillet, 2-F, vertical up-and-down fillet, 3-F, and overhead fillet weld, 4-F, positions.

Prerequisites: Welding Technology I and teacher approval

Fee: \$50

Workforce Essentials

Workforce Essentials is a one credit course required for enrollment in WBL-Cooperative Education, although any student may take it. Workforce Essentials may be taken prior to or simultaneously with the first semester of WBL-Cooperative Education. It may not be used as one of the two CTE program prerequisites required to qualify for WBL-Cooperative Education. Students learn skills that transfer across jobs and occupational areas. Career development and employment, entrepreneurship and business economics, social and ethical responsibility, leadership and teamwork, safety and health, and technical knowledge and skills are covered. Students build on prior knowledge, strengths, interests, and needs that enhance preparation for future employment and continuing education and training.

Prerequisite: None

Fee: \$25

All students who are employed through the Work-Based Learning/COOP Programs and/or leave the school campus to participate/enroll in a learning environment with business/industry must be prepared to adhere to industry required/OSHA standards or drug testing.

TUSCALOOSA CAREER TECHNOLOGY ACADEMY ELECTIVES

Bus transportation may be available for students taking career technical education courses taught at the Tuscaloosa Career Technology Academy. Students may be allowed to drive personal vehicles to Tuscaloosa Career Technology Academy pending written parental consent.

BUILDING SCIENCES ACADEMY - CONSTRUCTION, DRAFTING, ELECTRICAL TECHNOLOGY, WELDING, AND MASONRY

The Building Sciences Academy is a holistic curriculum that provides the fundamental knowledge of the architecture and construction industry, bridging construction, engineering and building research. Programs in Construction, Drafting Design, Electrical Technology, Masonry, and Welding Technology use project-based, hands-on instruction that strongly emphasize the application of mathematics, physics, chemical and environmental sciences. Daily attendance is a critical component for student success. Hands-on experiences and SkillsUSA leadership activities provide many opportunities to enhance classroom instruction and career development.

Architecture, Construction, and Manufacturing (one semester/one credit)

This course is a required course for students pursuing Building Science Academy. Course content provides students with an overview of the Building Science Academy which includes Construction, Drafting Design, Electrical Technology, Masonry and Welding. While enrolled in the class, students will be 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. Students successfully completing the class with a minimum of 70% on all skill areas will earn NCCER Certification for Core Curriculum – a nationally recognized industry credential.

Prerequisite: None

Fees: TCTA \$25

CONSTRUCTION PROGRAM**Construction Site Preparation and Foundation (one semester/one credit)**

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

Prerequisite: None

Fees: TCTA \$25

Construction Framing (one semester/one credit)

This is a one credit course designed to facilitate student 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. This course encourages critical thinking, use of scientific method, integration of technology, development of student leadership skills, and application of knowledge and skills related to practical questions and problems. Safety concepts are integrated into instruction to the maximum extent possible.

Prerequisites: Construction Site Preparation and Foundation Fees: TCTA \$25

Construction Finishing and Interior Systems (one semester/one credit)

This is a one credit course designed to facilitate an understanding of the exterior and interior finishing of a structure. Topics include career opportunities, safety, windows, doors, plumbing, electrical wiring, insulation, wall coverings, storage, and finishes. This course encourages critical thinking, use of scientific method, integration of technology, development of student leadership skills, and application of knowledge and skills related to practical questions and problems. Safety concepts are integrated into instruction to the maximum extent possible.

Prerequisite: Construction Framing

Fee: TCTA \$25

DRAFTING PROGRAM

Drafting Design uses technical drawing and computer skills to create drawings, plans, and computer models used in building, manufacturing design and construction fields. Computer-Aided Design and Drafting (CADD) skills are critical in engineering, construction, architectural and interior design, fashion design, manufacturing and developmental designs of parts and products, including automotive, aerospace, marine vessel/equipment, and multimedia design, photographic rendering and animation. It is recommended for students to have strong mathematical skills, including measures and fractions and special/conceptual design as critical thinking skills are recommended. Students participate in SkillsUSA as an integral part of the instructional program. College credit options are available with a "B" or better average in three or more courses in any one pathway.

Introduction to Drafting Design (one semester/one credit)

This foundational program is open to students, grades ten through twelve, and provides the framework for preparing students interested in pursuing a profession in engineering, architecture, design, and construction related fields in the basics of Computer-aided drafting and design. Emphasis is placed on student safety, tools, procedures, visualization, sketching orthographic projection, geometric construction, and dimensioning practices. Computer-aided drafting (CAD) functions and techniques using CAD software applications are introduced.

Prerequisites: "C" or above in Algebra I and Geometry; Teacher Approval

Fee: TCTA \$25

Advanced Drafting Design (one semester/one credit)

This is a one credit course for students who are interested in engineering and related mechanical drafting areas that provide a more in-depth study of mechanical design. Emphasis is placed on detailed drawings, bill of materials, and assembly drawings. Students are introduced to basic Geometric Dimensioning and Tolerancing (GD&T) applications. Through intersections and development, students acquire basic sheet metal forming knowledge. Using this knowledge, students lay set out and form models of geometric figures. Career readiness projects allow students opportunities to research industry standards and practices.

Prerequisite: Introduction to Drafting Design

Fee: TCTA \$25

Three-Dimensional Solid Design I (one semester/one credit)

This course is intended to introduce the students to three-dimensional capabilities of computer-aided design (CAD) software. Emphasis is placed on working planes, profile creation, protrusions, extrusions, and rendering techniques. Students create two-dimensional part drawings relative to three-dimensional models.

Prerequisite: Advanced Drafting Design

Fee: TCTA \$25

Three-Dimensional Solid Design II (one semester/one credit)

This course is intended for advanced students in three-dimensional modeling. Emphasis is placed on assembly, animation, and sheet metal concepts. Students organize and develop a career-related project based on current research and design practices.

Prerequisite: Three-Dimensional Solid Design I

Fee: TCTA \$25

Introduction to Architectural Design (one semester/one credit)

Students in grades ten through twelve will be introduced to basic terminology, concepts, and principles of the architectural design field. Emphasis is placed on the floor plan lay out, electrical layout, foundations, typical elevations, and section drawings. Upon successful completion of this course, students are able to draw a basic residential architectural construction drawing.

Prerequisite: Advanced Drafting Design

Fee: TCTA \$25

Intermediate Architectural Design (one semester/one credit)

This course provides students with instruction and experiences in advanced architectural design concepts and principles including residential architectural layout and plans.

Prerequisite: Introduction to Architectural Design

Fee: TCTA \$25



TUSCALOOSA COUNTY
School System

Advanced Architectural Design (one semester/one credit)

This course is for students who are interested in architecture and related architectural drafting areas that provide more in-depth study of architecture. Emphasis is placed on detailed residential drawings, bills of materials, and assembly drawing. Career readiness projects allow students opportunities to research industry standards and practices.

Prerequisite: Introduction to Architectural Design Fee: TCTA \$25

ELECTRICAL TECHNOLOGY PROGRAM**Basic Wiring (one semester/one credit)**

This course addresses a broad basic understanding of electrical theory and wiring. The course emphasizes safety while addressing topics such as shop rules, job opportunities, safety, tools meters, measuring devices, DC/AC theory, and the national and local codes. Upon successful completion of this course, students are to understand circuitry and perform basic wiring patterns.

Prerequisites: 10th-12th Grade; "C" or better in Algebra I or its equivalent highly recommended Fee: TCTA \$25

Residential Wiring (one semester/one credit)

This course addresses various aspects of residential wiring. Students are provided with opportunities to practice lab procedures in a simulated residential setting. The course emphasizes safety, correct wiring, and fundamentals and incorporates the National Electrical Code (NEC) requirements. Upon completion of the course, students are able to complete the wiring of a house with limited supervision.

Prerequisite: Successful completion of Basic Wiring with a "C" or better Fee: TCTA \$25

Commercial Wiring (one semester/one credit)

This course provides students with knowledge and skills for wiring a commercial building. Students have the opportunity to learn ways to bend and install different types of conduit. Topics addressed in this course include: electrical devices, over-current protection, grounding, raceways, boxes and fitting, and blueprint symbols and components. Emphasis is placed on safety and the incorporation of the National Electrical Code (NEC) requirements and correct wiring fundamentals. Upon successful completion of this course, students are able to assist in wiring a commercial building with supervision.

Prerequisite: Residential Wiring Fee: TCTA \$25

Industrial Wiring (one semester/one credit)

This course provides students with information regarding basic types of wiring for a factory. Students have the opportunity to learn to bend and install conduit used on industrial sites. Emphasis is placed on safety and the incorporation of the National Electrical Code (NEC) requirements. Upon successful completion of this course, students are able to perform wiring installation in an industrial setting with supervision.

Prerequisite: Commercial Wiring Fee: TCTA \$25

Motor Controls (one semester/one credit)

This course provides students with information regarding alternating, direct current motors and industrial motor control. Upon completion of this course, students are able to perform connections and troubleshooting techniques.

Prerequisite: Industrial Wiring Fee: TCTA \$25

Electromechanical Control (one semester/one credit)

This course is designed to provide students with the fundamental knowledge and skills for this area of the electrical industry. Emphasis is placed on job safety, electronic control systems, programmable logic controller, and robotics. Upon successful completion of this course, students perform basic tasks related to the electrical industry.

Prerequisite: Successful completion of Motor Controls ("C" or better) Fee: TCTA \$25

National Electrical Code and Journeyman's Preparation (one semester/one credit)

This course provides students with the fundamental knowledge and skills needed for this area of 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 Test.

Prerequisites: Successful completion ("C" or better) in three (3) electrical technology courses and/or instructor's approval Fee: TCTA \$25

MASONRY PROGRAM

Masonry is a critical structural and artistic component used in residential and commercial construction. Masonry requires considerable application of mathematical computation; therefore, students are encouraged to have successfully completed Algebra I or Algebra IA and Algebra IB prior to taking any of the masonry classes. Daily attendance and participation is a critical component for overall success in the program. Participation in SkillsUSA, the Career Technical Student Organization for Masonry, is encouraged and emphasizes leadership activities, co-curricular opportunities, and opportunities to enhance employability skills.

Introduction to Masonry (one semester/one credit)

This course is designed to provide students with the basic knowledge and skills of masonry. Emphasis is placed on safety, tools of trade, measuring, blueprint reading and layout, and masonry wall construction. Upon successful completion of this course, students demonstrate basic block and brick construction techniques.

Prerequisite: None Fee: TCTA \$25

Block Wall Construction (one semester/one credit)

This course is designed to provide students with the fundamental knowledge and skills for constructing a block wall. Emphasis is placed on job safety, interpretation of drawings and specifications, footing and site preparation, estimation of materials and supplies needed for a block wall construction, and jointing and pointing. Upon successful completion of this course, students are able to perform a variety of masonry techniques

Prerequisite: Successful completion of Introduction to Masonry Fee: TCTA \$25

Residential Masonry I (one semester/one credit)

This course is designed to provide students with the fundamental knowledge and skills for this area of construction industry. Emphasis is placed on job safety, interpretation of residential masonry plans and drawings. Students construct foundations and footings, walls and openings, prepare elevated work stations, and identify a variety of types of insulations. Upon successful completion of this course, students perform basic tasks related to the masonry industry.

Prerequisite: Successful completion of Block Wall Construction Fee: TCTA \$25

Residential Masonry II (one semester/one credit)

This course is designed to provide students with advanced knowledge and skills for this area of the construction industry. Emphasis is placed on job safety, identification of building codes, foundations, brick veneer walls, bonding, and estimate of materials and supplies needed for a project. Upon successful completion of this course, students perform basic tasks related to the masonry industry.

Prerequisite: Successful completion of Introduction to Masonry & Block Wall Construction Fee: TCTA \$25

WELDING PROGRAM**Introduction to Welding (one semester/one credit)**

This course provide students with a fundamental understanding of blueprint reading, weld symbols, and weld joints, rules for safety, and identification and use of tools and shop equipment. Students acquire knowledge for safe operation of oxy-fuel cutting and shielded metal arc welding processes. Upon successful completion of this course, students are able to interpret lines, views, and dimensions of weld joint configurations and weld symbols; identify oxy-fuel cutting equipment and components; determine proper setup equipment for application; identify safety hazards, and welding equipment related to shielded metal arc welding; and make quality welds with E-010 and E-7018 electrodes in the flat, horizontal, vertical, and overhead positions. This entry-level course may be taken as one of the optional technique courses with credit applied to the Industrial Maintenance Technology program.

Prerequisites: "C" or higher in Architecture Construction and Manufacturing Fee: TCTA \$25

Applied Welding I with Plasma Arc Cutting (one semester/one credit)

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 to perform fillet welds in the 1-F and 2-F positions with E-6010 and E-7018 electrodes in accordance with the 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.

Prerequisite: Successful completion of Introduction to Welding Fee: TCTA \$25

Applied Welding II with Carbon Arc Cutting (one semester/one credit)

This course introduces students to the proper setup and operation of shielded metal arc welding (SMAW) equipment in the vertical, 3-F and overhead, 4-F 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 vertical, 3-F and overhead, 4-F positions and E-6010 and E-7018 electrodes in accordance with the AWS D1.1 code and produce industry quality cuts with carbon arc cutting equipment.

Prerequisites: Applied Welding I with Plasma Arc Cutting and Successful completion of Introduction to Welding Fee: TCTA \$25

Gas Metal Arc Welding I (one semester/one credit)

This course provides instruction on the various transfer methods of Gas Metal Arc Welding (GMAW) fillet welds. Topics include safety, equipment setup, joint design and preparation, and gas flow rates. Upon successful completion of this course, students are able to perform fillet welds in the flat fillet, 1-F, horizontal fillet, 2-F, vertical up-and-down fillet, 3-F, and overhead fillet weld, 4-F, positions

Prerequisite: Applied Welding I with Plasma Arc Cutting Fee: TCTA \$25

Flux Core Arc Welding (one semester/one credit)

This course introduces students to the flux core arc welding (FCAW) process. Emphasis is placed on safe operating practices and on handling and storage of compressed gases. Students demonstrate manual welding skills on carbon steel using flux core arc welding process in the flat fillet, 1-F, horizontal fillet, 2-F, vertical fillet, 3-F, and overhead fillet weld, 4-F positions. Upon successful completion of this course, students are able to make quality welds in the 1-F, 2-F, 3-F, and 4-F positions. Through an articulation agreement with community colleges, students may be eligible for college credit upon successful completion of this course.

Prerequisites: Advanced Shielded Metal Arc Welding (SMAW), Groove Welds, and Welding Inspection and Testing Level 2 Fee: TCTA \$25

Gas Tungsten Arc Welding I (one semester/one credit)

This course provides students with instruction and hands-on activities utilizing the Gas Tungsten Arc Welding (GTAW) process for producing fillet welds in the flat, 1-F, and horizontal, 2-F, positions using both ferrous and non-ferrous metals according to AWS D1.1 code. Topics include safety of operation and setup of GTAW equipment and the selection of tungsten, polarity, shielding gas, and filler metals. Upon successful completion of this course, students are able to produce fillet welds on ferrous and non-ferrous metals using GTAW process according to AWS code D1.1.

Prerequisites: Successful completion of Introduction to Welding, Applied Welding I with Plasma Arc Cutting, Applied Welding II with Carbon Arc Cutting, Gas Metal Arc Welding I Fee: TCTA \$25

Gas Tungsten Arc Welding II (one semester/one credit)

This course provides students with instruction and hands-on activities utilizing the Gas Tungsten Arc Welding (GTAW) process for producing fillet welds in the vertical, 3-F, and overhead, 4-F, positions, using both ferrous and non-ferrous metals according to AWS D1.1 code. Topics include safe operation of GTAW



equipment; equipment setup; and selection of tungsten, shielding gas, and filler metals. Upon successful completion of this course, students are able to produce fillet welds on ferrous and non-ferrous metals using the GTAW process according to AWS code D1.1.

Prerequisite: Gas Tungsten Arc Welding I Fee: TCTA \$25

PUBLIC SAFETY & LAW ACADEMY

Principles of Public Safety (one semester/one credit)

This course is designed to introduce students to the competencies related to public service job preparatory programs. Students develop knowledge and skills in fire management services, legal services, and law enforcement services.

Prerequisite: None Fee: TCTA \$25

Introduction to Fire Science (one semester/one credit)

This course is designed to introduce students to the basic principles and procedures of firefighting. Emphasis is placed on safety, fire extinguishers, structural design, personal protective equipment, ropes and knots, search and rescue, ground ladders, ventilation, fundamentals of a water supply system, fire hose, and water streams.

Prerequisite: Principles of Public Safety or Instructor Approval Fee: TCTA \$25

Wildland Firefighting and Controlled Fires (one semester/one credit)

This physically demanding course is designed to give students a working knowledge of wildland firefighting and the use of controlled fires on forest lands. Emphasis is placed on firefighting terminology, topography, fuel types, external influences, personal protective equipment, deployment procedures, firefighting tools and equipment, suppression tactics, and controlled burning.

Prerequisites: 2.5 GPA; "C" or better in Biology and/or Physical Science: Medical physical required due to strenuous physical demands of the program.

Fee: TCTA \$110 (includes uniform; boots purchased separately by student)

Emergency Services

Firefighting (two semesters/two credits)

Each of these courses will be taken together as a combination course. This is designed for students in grade twelve to provide students with the certifications and skills necessary to be "career ready" in the *Firefighting and Emergency Medical Services*. Students will need to turn eighteen within one year of completion in order to finish the certification process. Successful completion of this exam is the first step necessary in order to receive a state license as an EMT. Students will also need to be able to attend an abbreviated "Rookie School" (five weeks) to earn a professional certification in firefighting from the Alabama Fire College. Due to the partnership with the Alabama Fire College, students will have access to the latest technology in the Fire Service industry. Students must provide transportation in compliance to the Tuscaloosa County School System policy. Certification requirements may require students to attend classes as early as 7:30 a.m., as well as fully utilize bonus period instructional time. Physical training is an integral component of the class and certification requirements. Students must obtain medical clearance prior to taking this program option. When not in uniform, school dress code will be strictly enforced.

Prerequisites: 2.5 minimum GPA and "C" or better in Anatomy; teacher recommendation; Principles of Public Safety; Introduction to Fire Science or Instructor Approval; Medical physical required due to strenuous physical demands of the program.

Fee: TCTA \$107, includes uniform with exception of boots & insurance

SERVICE ELECTIVES – STUDENT AIDES

No credit or grades are earned for service electives.

Counselor Assistant

Library Assistant

Students are selected as assistants based upon skills, academic averages, level of maturity, and ability to assume responsibility. Student assistants perform tasks including filing; sorting and distributing materials; running errands; greeting visitors; taking and delivering messages; and generally assisting with clerical duties under the direction of the professional office staff, teacher, counselor, or library staff. Students do not receive credit or grades for student assistant courses. Twelfth grade status is recommended.

Prerequisites: Selection by Appropriate School Staff Fee: None

Student Cabinet

Student Cabinet is an elective offering for student government officers and representatives for the development of individual leadership skills. Student Cabinet participants plan and carry out a wide variety of projects that may include responsibilities to assist with homecoming activities, American Education Week projects, blood and charity drives, and SGA meetings. Cabinet members may assist with setting up facilities for assemblies, maintaining bulletin boards, and representing the school at community functions. Students do not receive credit or grades for Student Cabinet.

Prerequisites: Election to SGA and Sponsor Selection for Cabinet Fee: None

Office Assistant

Teacher Assistant



The National Career Clusters™ Framework is comprised of Sixteen Career Clusters™ and related Career Pathways to help students of all ages explore different career options and better prepare for college and career. Each Career Cluster™ represents a distinct grouping of occupations and industries based on the knowledge and skills they require.

Agriculture, Food & Natural Resources - The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Pathways: Food Products & Processing Systems - Plant Systems - Animal Systems - Power, Structural & Technical Systems - Natural Resources Systems - Environmental Service Systems - Agribusiness Systems

Architecture & Construction - Careers in designing, planning, managing, building and maintaining the built environment.

Pathways: Design/Pre-Construction - Construction - Maintenance/Operations

Arts, A/V Technology & Communications - Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Pathways: A/V Technology & Film - Printing Technology - Visual Art s- Performing Arts - Journalism & Broadcasting - Telecommunications

Business Management & Administration - Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Pathways: General Management - Business Information Management - Human Resources Management - Operations Management - Administrative Support

Education & Training - Planning, managing and providing education and training services, and related learning support services.

Pathways: Administration & Administrative Support - Professional Support Services - Teaching/Training

Finance - Planning, services for financial and investment planning, banking, insurance, and business financial management.

Pathways: Securities & Investments - Business Finance – Accounting – Insurance - Banking Services

Government & Public Administration - Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.

Pathways: Governance - National Security - Foreign Service – Planning - Revenue & Taxation – Regulation - Public Management & Administration

Health Science - Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Pathways: Therapeutic Services - Diagnostic Services - Health Informatics - Support Services - Biotechnology Research & Development

Hospitality & Tourism - Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Pathways: Restaurants & Food/Beverage Services – Lodging - Travel & Tourism - Recreation, Amusements & Attractions

Human Services - Preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

Pathways: Early Childhood Development & Services - Counseling & Mental Health Services - Family & Community Services - Personal Care Services - Consumer Services

Information Technology - Building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Pathways: Network Systems - Information Support & Services - Web & Digital Communications - Programming & Software Development

Law, Public Safety, Corrections & Security - Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Pathways: Correction Services - Emergency & Fire Management Services - Security & Protective Services - Law Enforcement Services - Legal Services

Manufacturing - Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Pathways: Production - Manufacturing Production Process Development - Maintenance, Installation & Repair - Quality Assurance - Logistics & Inventory Control - Health, Safety & Environmental Assurance

Marketing - Planning, managing, and performing marketing activities to reach organizational objectives.

Pathways: Marketing Management - Professional Sales – Merchandising – Marketing – Communications - Marketing Research

Science, Technology, Engineering & Mathematics - Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

Pathways: Engineering & Technology - Science & Math

Transportation, Distribution & Logistics - Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Pathways: Transportation Operations - Logistics Planning & Management Services - Warehousing & Distribution Center Operations - Facility & Mobile Equipment Maintenance - Transportation Systems/Infrastructure Planning, Management & Regulation - Health, Safety & Environmental Management -Sales & Service

TUSCALOOSA COUNTY SCHOOL SYSTEM 2013-2014 SCHOOL CALENDAR

INSTITUTE.....AUGUST 13, 2013
 PROFESSIONAL DEVELOPMENT DAY.....AUGUST 14, 2013
 PROFESSIONAL DEVELOPMENT DAY.....AUGUST 15, 2013
 TEACHERS' WORK DAY.....AUGUST 16, 2013
 SCHOOLS OPEN.....AUGUST 19, 2013
 LABOR DAY HOLIDAY.....SEPTEMBER 2, 2013
 VETERANS' DAY HOLIDAY.....NOVEMBER 11, 2013
 THANKSGIVING HOLIDAYS.....NOVEMBER 27-29, 2103
 WINTER HOLIDAYS BEGIN AT THE END OF THE DAY.....DECEMBER 20, 2103
 WINTER HOLIDAYS – DECEMBER 23, 2103 – JANUARY 3, 2014
 TEACHERS RETURN – PROFESSIONAL DEVELOPMENT DAY.....JANUARY 6, 2014
 TEACHERS' WORK DAY.....JANUARY 7, 2014
 STUDENTS RETURN.....JANUARY 8, 2014
 MARTIN LUTHER KING JR. BIRTHDAY HOLIDAY.....JANUARY 20, 2014
 SPRING BREAK.....MARCH 24-28, 2014
 MEMORIAL DAY HOLIDAY.....MAY 26, 2014
 LAST DAY OF SCHOOL FOR STUDENTS.....MAY 29, 2014
 LAST DAY OF SCHOOL FOR TEACHERS.....MAY 30, 2014

GRADE REPORTING PERIODS			
NINE WEEK PERIODS	TOTAL DAYS	PROGRESS REPORTS	REPORT CARDS
AUGUST 19-OCTOBER 18	44	SEPTEMBER 20	OCTOBER 25
OCTOBER 21-DECEMBER 20	41	NOVEMBER 15	JANUARY 10
JANUARY 8-MARCH 14	47	FEBRUARY 7	MARCH 21
MARCH 17-MAY 29	48	APRIL 25	JUNE 6