

2023/2024

DESHLER HIGH SCHOOL

Graduation Information and Requirements

The Alabama Course of Study (outlined by the Alabama State Board of Education) determines course content by which course offerings at Deshler are governed. While counselors and teachers are available to help with appropriate course choices, students and their parents/guardians have the responsibility to select the diploma type and choose related courses to meet all graduation requirements. Prerequisites must be considered and choices evaluated according to educational and career goals. Course selection is not a trial-and-error decision; students should treat registration as a most important decision-making time.

Course decisions for the following school year are made during registration in the spring, and faculty assignments are based on request numbers. Students must select a total of eight (8) credits plus two (2) alternate courses. It is imperative that students promptly return the completed form with course numbers to the guidance office. A parent's/guardian's signature is required. During the first three days of school, consideration will be given to requests for schedule changes. The process requires students completing a change-of-schedule form and immediately returning it to the guidance office for principal's review. Because the master schedule offers little flexibility, requests for change are discouraged. There will be no changes after the first three days with the exception and consideration of teacher recommendation. Because of the PowerSchool format, schedule changes will be extremely limited.

Deshler High School will award a Standard Diploma or an Advanced Academic Diploma to students as determined by requirements listed.

The Standard Diploma or an Advanced Academic Diploma will be awarded to students who acquire the specified minimum credits in defined programs. Students will be required to earn all credits, take end-of-course tests, and participate in one administration of the ACT (as planned by the Alabama State Department of Education).

National Honor Society of Deshler High School

Please note: Consideration for membership in the National Honor Society is dependent on a student's meeting the following requirements in the school and community:

- ◆ **notable service**
- ◆ **responsible leadership**
- ◆ **exemplary character**
- ◆ **90.0 cumulative grade average (This average begins in grade nine.)**

Eligibility status is determined during a student's eleventh grade year. It is the responsibility of the student to plan his/her curriculum to meet these requirements. Preparing a comprehensive resume beginning in grade 9 and updating it each year will be beneficial when documentation of notable service, responsible leadership, and exemplary character is needed.

Senior Honor Students (determined for graduation ceremony)

To be designated as an honor student at graduation from Deshler High School, a student must

1. earn an Advanced Diploma, and
2. on a scale of 0-100 points, have a cumulative grade average, which ranks the student as one of the top ten academic students in the senior class. These students will have the ten highest grade averages of those on the Advanced Diploma.
3. Beginning with the graduating class of 2023, students must take 3 Advanced Placement courses along with the exam for those courses.

Grades

The grading scale of Deshler High School follows: A=90-100; B=89-80; C=79-70; D=69-60; F=59-0. There are four grading periods of nine weeks each. At the midpoint of each grading period (about 4 ½ weeks), progress reports may be viewed. At the end of each grading period, report cards can be viewed. All grading reports can be viewed using PowerSchool Parent Portal. Parents also may view attendance, discipline, homework assignments, etc. online. Parents should call the school to receive the two codes needed to access each student's information. The online site is www.deshlerhigh.org. In the left column of the home page, select "parent portal" and continue.

Valedictorian/Salutatorian

The honor student with the highest grade average is the valedictorian. The honor student with the second highest grade average is the salutatorian. The valedictorian, salutatorian, and honor students will be determined after the third nine weeks grades in the second term of the senior year.

Residency requirement: To be eligible for valedictorian or salutatorian, a student must have been a student at Deshler High School for a total of at least two complete academic years.

ACCESS Distance Learning Program

ACCESS Distance Learning is an education initiative of the Alabama Department of Education. It provides opportunities for Alabama public high school students to engage in Advanced Placement (AP), elective, and other courses to which they may not otherwise have access. All courses are offered at school during the regular school day by Internet connection linking classrooms, educators and students statewide. Courses are taught by highly-qualified teachers from their home school and linked by the Internet to students across the state. Courses linked from other schools online will be monitored by a trained facilitator. An ACCESS Distance Learning class may receive one credit, and the grade is included in rank and grade point average. Plagiarism, a form of cheating, will result in ACCESS administrators dismissing the students from the class with a zero average.

Students interested in ACCESS must meet with the high school guidance counselor and complete the proper paperwork and submit a signed parent permission form prior to being allowed to enroll in ACCESS courses.

For a complete list of available courses, visit the ACCESS Distance Learning website at <http://accessdl.state.al.us>. There may be a lab fee assessed by the school depending upon which course is taken.

Additionally, it is recommended that students enrolled in AP classes take the Advanced Placement exam offered by the College Board in anticipation of receiving college credit for the class. The College Board charges a fee for each AP exam administered at Deshler in May through College Board.

Dual Credit/Dual Enrollment

Dual credit/dual enrollment options are available with local colleges to students 10th - 12th grade who have a "B" average or above. The student must have attained the prerequisites required to enter the Early College/Dual Enrollment program at their prospective college. Any transportation, tuition, fees, or cost for those classes will be the responsibility of the students and parents/guardians. Financial obligations will be handled between the student's parent/guardian and the college of choice. The student must have permission from the parent/guardian, superintendent, principal, and counselor and have completed the proper paperwork in a timely manner in the Deshler Counseling office in order to enroll in a dual credit and/or dual enrollment course at a college. Any placement tests, ACT requirements, or other college enrollment requirements are the responsibility of the student and must be completed before registration. The student's schedule at Deshler High School will have priority in determining the time and course selected at the college. Dual enrollment credit may be earned with any college that meets ALSDE requirements and has an established dual enrollment agreement with Tusculumbia City Schools. For a complete list of ALSDE courses that meet dual enrollment requirements, go to the [ALSDE Dual Enrollment Equivalency List](#).

Muscle Shoals Center for Technology

A limited number (25) of Deshler Juniors and Seniors may attend the Muscle Shoals Center for Technology to enroll in courses offered for auto body, welding, carpentry, or cosmetology. Any transportation, supplies, and fees will be the responsibility of the students and parents/guardians. In order to be selected to enroll in courses at MSCFT, each student must complete a selection process. A limited number of students will be selected to attend. Each student must:

- Complete application to attend MSCFT
- Complete the self-assessments on alcareerinfo.org
- Meet with the counselor to discuss self-assessment results and application

The selection committee will make the final decision of attendees.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION
CLEARINGHOUSE: NCAA
The NCAA website is www.eligibilitycenter.com.

This NCAA Clearinghouse checks academic eligibility, including ACT and/or SAT scores and transcripts, of prospective college-bound athletes for both Division I and Division II sports. Parents and students interested should log on to the website during the student's eighth or ninth grade to see core course requirements, check the core courses/credits approved by NCAA for Deshler High School, and other guidelines set by NCAA. A printable copy of the NCAA Guidelines is online; DHS suggests that parents and students print a copy, study, and highlight it. Please know that parents and students should consult the guidelines each year because the NCAA may revise a requirement and update the website. Guidelines that should never change include the following: prospective college bound student athletes **must** take college preparatory core classes, receive good grades, talk with their counselors and coaches about the NCAA requirements each year, and have ACT/SAT scores sent to the NCAA. **Course credit values awarded at the high school level may differ from NCAA values.** Values are dependent on the course and guidelines outlined by the NCAA. Assistance with registration and/or verification of Clearinghouse credits may be provided upon request by the athlete or parent(s) from either the coaching staff or guidance department. However, registration and verification of Clearinghouse credits are the full responsibility of the athlete and his/her parents.

At the completion of a student's junior year, he/she must register online with the Clearinghouse (cost in the \$60-\$70 range) and request that the counselor send a copy of the current high school transcript. The student must complete and turn in a "request-to-send-transcript" form to the guidance office. (A transcript with six semesters is preferred.) NCAA payment is done online with a credit card. The Clearinghouse requires that the student request ACT and/or SAT send copies of scores. The student must make that request as he/she registers to take either test by including the NCAA code of 9999 as one of the choices to receive the score. If the student participates in the federally funded lunch program and has used an ACT or SAT fee waiver, the NCAA application fee can be waived. The senior counselor must verify that information; therefore, the student should alert the counselor to expect a verification notice from the NCAA. A copy of the final transcript will be sent in early June, after graduation, so that the NCAA can verify completion of high school requirements.

Deshler High School complies with title VI which prohibits discrimination on the basis of race, color, or national origin in any program or activity receiving Federal financial assistance; Title IX which prohibits discrimination on the basis of sex in education programs or activities receiving Federal financial assistance; and Section 504 which prohibits discrimination on the basis of handicap in programs or activities receiving Federal financial assistance. Deshler High School complies with ESEA, as amended by NCLB, and 2002 Defense Reauthorization Act requiring public schools to provide students' names, addresses, and telephone listings to military recruiters, when requested, unless a parent has opted out of providing such information.

Diploma Options for DHS Students

Advanced	Standard
4 credits in English <ul style="list-style-type: none"> ● Honors English 9 ● Honors English 10 ● AP English Language 11*** ● AP English Literature 12*** 	4 credits in English <ul style="list-style-type: none"> ● English 9 ● English 10 ● English 11*** ● English 12***
4 credits in Math <ul style="list-style-type: none"> ● Honors Geometry with Data Analysis ● Honors Algebra I with Probability ● Honors Algebra II with Statistics ● AP PreCalculus, AP Computer Science, or AP Statistics *** 	4 credits in Math <ul style="list-style-type: none"> ● Geometry with Data Analysis ● Algebra I with Probability ● Algebra II with Statistics ● Math Specialized Course***
4 credits in Social Studies <ul style="list-style-type: none"> ● Honors World History ● Honors US History to 1877 ● AP US History ● Honors Government /Economics*** 	4 credits in Social Studies <ul style="list-style-type: none"> ● World History ● US History to 1877 ● US History 1877 to Present*** ● Government/Economic***
4 credits in Science <ul style="list-style-type: none"> ● Honors Biology ● Honors Chemistry I ● 2 Electives from AP Physics, AP Biology, Honors Human Anatomy & Physiology, Principles of Engineering, AP Computer Science or Human Bodies Structures 	4 credits in Science <ul style="list-style-type: none"> ● Biology I ● Physical Science ● 2 Science Electives***
1 credit in Public Speaking	
1 credit in Career Preparedness	1 credit in Career Preparedness
2 Foreign Language credits***	Foreign language recommended**
3 credits in CTE/Arts Education, and/or Foreign Language. Students are encouraged to complete two courses in sequence. ***	3 credits in CTE/Arts Education, and/or Foreign Language. Students are encouraged to complete two courses in sequence.***
1 credit in Kinesiology (Physical Education)	1 credit in Kinesiology (Physical Education)
0.5 credit in Health	0.5 credit in Health
3.5 Electives (Students have the option to take more Electives)***	2.5 Electives (Students have the option to take more Electives)***
Total of 28 credits	Total of 24 credits

Students on the Advanced Diploma path must take a minimum of three advanced placement (AP) courses.

**A foreign language is recommended but not required for standard diploma. ALL athletes are encouraged to take a foreign language in order to meet NCAA eligibility requirements. Some colleges require a foreign language for admission.

***Dual Enrollment Options available

(Most CTE Dual Enrollment courses are offered at no cost to the student)

Deshler High School

Course Catalog

The courses listed below are designed to assist students and parents in planning the student's schedule for this school year. If questions concerning a course are still unanswered after reading the descriptions, contact a counselor at Deshler High School (256-389-2910) for further assistance.

ENGLISH

ENGLISH 9			
01001G1000	Grade Level: 9	Credit: 1.0	Prerequisite: English 8
<p>This course emphasizes language and writing skills. Students study verbal usage, coordination and subordination, parallel structure, sentence variety, and originality. An introduction to research is also emphasized. The study of literature requires reading, analyzing, and writing about given literary works (novels, short stories, poetry, and drama).</p>			

HONORS ENGLISH 9			
01001H1000	Grade Level: 9	Credit: 1.0	Prerequisite: English 8 and parental approval
<p>This course includes an accelerated study of grammar, punctuation, spelling, vocabulary, and the writing process. Students focus on different types of expository and expressive writing, complete a "mini" research paper, and study elements of the novel, short story, poetry, and drama.</p>			

ENGLISH 10			
01002G1000	Grade Level: 10	Credit: 1.0	Prerequisite: English 9 or Honors English 9
<p>This course emphasizes language skills, including punctuation, sentence structure, paragraph development, and standard usage. Short writing assignments are completed as well as developed essays in the narrative, persuasive, and expository modes. Pre-twentieth century American literature is examined. At least one novel is assigned each nine weeks.</p>			

HONORS ENGLISH 10			
01002H1000	Grade Level: 10	Credit: 1.0	Prerequisite: English 9, Honors English 9, and/or parental approval
<p>This course emphasizes language skills, including punctuation, sentence structure, paragraph development, and standard usage. Short writing assignments are frequent, and a variety of essays in the narrative, persuasive, and expository modes are completed in response to required reading. An extensive study of pre-twentieth century American literature is required. At least one novel is assigned each nine weeks.</p>			

ENGLISH 11

01003G1000	Grade Level: 11	Credit: 1.0	Prerequisite: English 10 or Honors English 10
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This course emphasizes a survey of major American literature from colonial times to the present. Students will analyze literature and recognize its position in historical context. Major emphasis is also given to the development of composition skills, including frequent writing assignments. A research paper is required.

ENGLISH 11, LANGUAGE AND COMPOSITION, AP

01005E1000	Grade Level: 11	Credit: 1.0	Prerequisite: Honors English 10 and/or parental approval
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NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION

College credit may also be obtained based on qualifying AP test score

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in becoming skilled writers who compose for a variety of purposes; guides students in becoming skilled readers of prose written in a variety of rhetorical contexts; extensive writing of compositions.

ENGLISH 12

01004G1004	Grade Level: 12	Credit: 1.0	Prerequisite: English 11
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This course coordinates the study of British literature and composition. Students will refine composition techniques and the study of grammar will be coordinated with writing skills. A research paper and supplementary novels are required.

ENGLISH 12, LITERATURE AND COMPOSITION, AP

01006E1000	Grade Level: 12	Credit: 1.0	Prerequisite: English 11, Honors English 11, Dual Enrollment English, and/or parental approval
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NOTE: FULFILLS ENGLISH CREDIT REQUIRED FOR GRADUATION

College credit may also be obtained based on qualifying AP test score

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for English; engages students in the careful reading and critical analysis of imaginative literature from several genres and periods from the sixteenth to the twenty-first century; extensive writing of compositions.

PUBLIC SPEAKING

01151G1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Advanced Diploma track

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION

In this course, students explore extemporaneous, demonstrative, persuasive, and informative oral communication; It includes developing, writing, and speaking skills that are important for success in college.

CREATIVE WRITING

01104G1000

Grade Level: 9-12

Credit: 1.0

Prerequisite: None

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.

Students compose poetry, short stories, and critical responses.

LITERATURE, NOVELS

01060G1000

Grade Level: 9-12

Credit: 1.0

Prerequisite: None

NOTE: DOES NOT FULFILL ANY OF THE FOUR ENGLISH CREDITS REQUIRED FOR GRADUATION.

Readings, discussions, and writings on selected novelists such as Hawthorne, Twain, and Melville. Students read, discuss, and compose writing relating to both teacher-assigned and self-selected novels.

MATHEMATICS

GEOMETRY WITH DATA ANALYSIS			
02073G1000	Grade Level: 9	Credit: 1.0	Prerequisite: Grade 8 Math or Grade 8 Accelerated Math
<p>This course is the first of three required courses in high school mathematics. In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.</p>			

HONORS GEOMETRY WITH DATA ANALYSIS			
02073H1000	Grade Level: 9	Credit: 1.0	Prerequisite: Grade 8 Math or Grade 8 Accelerated Math
<p>This course is the first of three required courses in high school mathematics. In Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.</p>			

ALGEBRA I w/Probability			
02052G1000	Grade Level: 10	Credit: 1.0	Prerequisite: Geometry w/Data Analysis
<p>Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.</p>			

MATH LAB			
02996G1000	Grade Level: 10	Credit: 1.0 (Elective Credit)	Prerequisite: None
<p>This course will be paired with Algebra I with Probability. Math Lab provides instructional support (labs or intervention) for students. Credit for this class will count as elective credit, not mathematics credit.</p>			

HONORS ALGEBRA I w/Probability

02052H1000

Grade Level: 10

Credit: 1.0

Prerequisite: Geometry w/Data Analysis

Honors Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Honors Algebra I with Probability is the second of three courses required for all students. Students may enroll in this course after completing Geometry with Data Analysis in Grade 9 or by completing both Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics. Students who wish to accelerate their mathematics pathways in high school may also elect to enroll in Honors Algebra I with Probability concurrently with Geometry with Data Analysis in the 9th grade.

ALGEBRA II w/Statistics

02056G1000

Grade Level: 10-11

Credit: 1.0

Prerequisite: Geometry w/Data Analysis and either a) Algebra I w/Probability or b) the combination of Grade 7 Accelerated Math and Grade 8 Accelerated Math

Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics is the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.

HONORS ALGEBRA II w/Statistics

02056H1000

Grade Level: 10-11

Credit: 1.0

Prerequisite: Honors Geometry w/Data Analysis and either a) Algebra I w/Probability or b) the combination of Grade 7 Accelerated Math and Grade 8 Accelerated Math

Honors Algebra II with Statistics builds on the students' experiences in previous mathematics in Geometry with Data Analysis and Algebra I with Probability. It is the third of three required courses, and it is to be taken following the successful completion of Geometry with Data Analysis and either Algebra I with Probability or the combination of the Grade 7 Accelerated Mathematics and Grade 8 Accelerated Mathematics course sequence. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school. Algebra II with Statistics courses are the prerequisite for Applications of Finite Mathematics, Mathematical Modeling, Precalculus, and all other approved ALSDE mathematics classes designed for completion of students' fourth mathematics credit.

ALGEBRA WITH FINANCE

02155G1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Algebra I, Geometry

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

CAREER MATH

02153G1001

Grade Level: 11-12

Credit: 1.0

Prerequisite: Algebra I, Geometry

A one-credit course that provides students with the foundational knowledge and processes needed to apply mathematical concepts in a career setting. Emphasis is placed on applied problems in the areas of measurement, entrepreneurial economics, and finances.

AP PRE-CALCULUS

02110E1001

Grade Level: 11-12

Credit: 1.0

Prerequisite: Algebra I, Geometry, and Algebra II with Trigonometry, and/or parental approval

College credit may also be obtained based on qualifying AP test score

Following College Board's course framework designed to parallel college-level precalculus courses, AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, and linear transformation functions and their applications. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation, and engage each function type through their analytical, verbal, numerical, and graphical representations.

STATISTICS, AP

02203E1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Algebra II with Trigonometry and/or Pre-Calculus

NOTE: FULFILLS ONE OF THE FOUR MATHEMATICS CREDITS REQUIRED FOR GRADUATION
College credit may also be obtained based on AP test score

College-level advanced course approved by the College Board Advanced Placement (AP) Program for statistics; introductory, non-calculus based course to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course is taught through ACCESS Distance Learning. If a minimum number of students are enrolled, a certified math teacher will facilitate the class.

COMPUTER SCIENCE ESSENTIALS - PLTW

10013G1000

Grade Level: 9-12

Credit: 1.0

Prerequisite: Career Preparedness, Teacher Approval

Fee: \$35.00

Credential: None

This course may be used to fulfill a student's fourth credit in mathematics.

Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.

CYBERSECURITY - PLTW

10016G1000

Grade Level: 9-12

Credit: 1.0

Prerequisite: Computer Science Essentials PLTW

Fee: \$35.00

This course may be used to fulfill a student's fourth credit in mathematics.

A one-credit course that introduces students to the tools and concepts of cybersecurity and encourages them to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.

COMPUTER SCIENCE PRINCIPLES, AP			
10019E1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Computer Science Essentials PLTW
Fee: \$35.00 Credential: AP Computer Science Exam This course may be used to fulfill a student's fourth credit in mathematics. College credit may also be obtained based on qualifying AP test score			
College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.			

SOCIAL STUDIES

WORLD HISTORY: 1500-PRESENT, Gr9			
04053G1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
Chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present			

WORLD HISTORY: 1500-PRESENT, Honors Gr9			
04053H1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
Advanced work in the chronological history of the world: the emergence of a global age; the Age of Revolutions; the Age of Isms; era of global war; the world from 1500 to present			

UNITED STATES HISTORY I: Gr10			
04102G1000	Grade Level: 10	Credit: 1.0	Prerequisite: World History 1500-Present
Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events			

UNITED STATES HISTORY I: Honors Gr10			
04102H1000	Grade Level: 10	Credit: 1.0	Prerequisite: World History 1500-Present or World History 1500-Present, Honors, and/or parent approval
Advanced work in the chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; Alabama's history and geographic changes that have influenced aspects of life during and after events			

UNITED STATES HISTORY II: Gr11			
04103G1000	Grade Level: 11	Credit: 1.0	Prerequisite: US History I
Chronological survey of major events and issues: industrialization; Progressivism; foreign policy; World War I; the Great Depression; World War II; post-war United States; contemporary United States; Alabama's history and geographic changes that have influenced aspects of life during and after events			

UNITED STATES HISTORY, AP

04104E1000

Grade Level: 11

Credit: 1.0

Prerequisite:

- World History 1500-Present or World History 1500-Present, Honors
- US History I or US History I, Honors
- and/or parental approval

College credit may also be obtained based on AP test score

College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for United States history. This course is taught through ACCESS Distance Learning. Students will be responsible for the cost of the textbook for this course as well as the cost of the AP Exam. If a minimum number of students are enrolled, a certified history/social science teacher will facilitate the class.

UNITED STATES GOVERNMENT

04151G0500

Grade Level: 12

Credit: 0.5

Prerequisite: N/A

This course is required for all seniors. Students will study origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy

This course is paired with Economics.

UNITED STATES GOVERNMENT, HONORS

04151H0500

Grade Level: 12

Credit: 0.5

Prerequisite: N/A

This course involves advanced work in the government's origins, functions, and branches of U. S. government; representative democracy; federalism; political/civic life; analysis of Constitution, Bill of Rights, and other relevant documents; foreign policy

This course is paired with Economics, Honors.

ECONOMICS

04201G0500

Grade Level: 12

Credit: 0.5

Prerequisite: N/A

This course is a required course for all seniors. Emphasis is placed on the basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank

This course is paired with United States Government.

ECONOMICS, HONORS

04201H0500

Grade Level: 12

Credit: 0.5

Prerequisite: N/A

This course discusses the basic elements of economics; comparative economic systems and economic theories; role of the consumer; business and labor issues; functions of government; structure of U. S. banking system; role of Federal Reserve Bank.

HISTORY ELECTIVE/HISTORY THROUGH FILM

04099G1000

Grade Level: 10-12

Credit: 1.0

Prerequisite: N/A

NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION.

In History through film class students will watch different historical films from all different points of history. Students will watch the film, then take a test and have a class discussion on each film. Most of the films that are shown are based on true stories. We will watch films from WWI, WWII, Civil War, Vietnam War, Revolutionary War, French and Indian War, War in Iraq, and other historical wars. We also watch films based on events or people such as the Civil Rights Movement, Cold War, and other true events of American history.

PSYCHOLOGY

04254G1000

Grade Level: 10-12

Credit: 1.0

Prerequisite: N/A

NOTE: DOES NOT FULFILL ANY OF THE FOUR SOCIAL STUDIES CREDITS REQUIRED FOR GRADUATION.

History of psychological inquiry; methods of scientific research; human development; sensation and perception; motivation and emotion; states of consciousness; social psychology, cognition; intelligence and assessment; personality theories; stress; mental disorders and treatments

SCIENCE

BIOLOGY			
03051G1000	Grade Level: 9	Credit: 1.0	Prerequisite: 8 th Grade Science
Lab Fee: \$20.00			
<p>This course is designed to provide students with a fundamental understanding of life sciences. It includes inquiry-based experiences and lab activities. This course covers all standards from the 2015 Science Alabama Course of Study. Topics covered in this course include disciplinary core ideas such as from molecules to organisms: structures and processes; ecosystems: interactions, energy, and dynamics; heredity: inheritance and variation of traits; and unity and diversity.</p>			

BIOLOGY, HONORS			
03051H1000	Grade Level: 9	Credit: 1.0	Prerequisite: 8 th Grade Science and/or parental approval
Lab Fee: \$20.00			
<p>This course is designed to provide a deeper understanding of life sciences as well as to promote scientific reasoning and inquiry skills. It includes inquiry-based experiences and lab activities. This course covers all standards from the 2015 Science Alabama Course of Study. Topics covered in this course include disciplinary core ideas such as from molecules to organisms: structures and processes; ecosystems: interactions, energy, and dynamics; heredity: inheritance and variation of traits; and unity and diversity.</p>			

PHYSICAL SCIENCE			
03159G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: Biology
Lab Fee: \$20.00			
<p>This course is an introduction to chemistry and physics. The chemistry portion emphasizes matter, elements, compounds and mixtures, bonding and chemical reactions. The physics portion emphasizes mechanics, heat, energy, light, electricity and magnetism.</p>			

CHEMISTRY			
03101G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: Biology and Algebra I w/Probability
Lab Fee: \$20.00			
<p>This course focuses on the general aspects of chemistry, including the atomic theory and its history of development; the kinetic theory of solids, liquids, and gasses; the periodic table and periodicity; acids, bases, and the concept of pH; stoichiometry; solutions; naming compounds; writing, balancing and predicting reactions; electron configurations; and use of scientific data. It is recommended that College-bound students take this course for a background in chemistry. This course meets the science requirement for Advanced Diploma.</p>			

CHEMISTRY, HONORS

03101H1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: Biology and Algebra I w/Probability
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Lab Fee: \$20.00

Advanced investigation of empirical concepts central to biology, earth science, environmental science, and physiology; in-depth investigations on the properties and interactions of matter including matter and its interactions, concentration of forces and motion, types of interactions, stability and instability in chemical systems, conservation of energy, energy transformations, and applications of energy to everyday life.

EARTH AND SPACE SCIENCE

03008G1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Physical Science
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Lab Fee: \$20.00

This course introduces students to an advanced study of Earth and perspectives of the universe from the Earth as well as future challenges and technologies required for space exploration. Weather and other geological forces and their effect on climatic conditions on Earth will be examined. This course does **NOT** meet the science requirement for Advanced Diploma.

ENVIRONMENTAL SCIENCE

03003G1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Biology
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Lab Fee: \$20.00

This course is designed to provide the students with a balanced approach to the study of the environment. An emphasis is placed on the ecosystems and the development of thinking and decision-making skills related to environmental issues. This course does **NOT** meet the science requirement for Advanced Diploma.

AGRIBIOLOGY

18004G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: NONE
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Course Fee: \$20

Agribiology uses agricultural contexts to present life science content. As students consider practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. Content may be enhanced by utilizing appropriate technology.

Credential: **ATOLL (Aquaculture Training and Online Learning)**

Forensic Science & Crime Sc Invest

15055G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: N/A
<p>Lab Fee: \$20.00</p> <p>Science and Crime Scene Investigation teaches students to apply chemistry, physics, and biology to a suspect, a criminal act or behavior, or a victim. This course prepares students in two distinct concentrations. The Forensic Science portion focuses on working in a crime lab setting as a forensic scientist or technician. Crime Scene Investigations covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence.</p>			

HUMAN ANATOMY AND PHYSIOLOGY, HONORS			
03053H1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Biology
<p>Lab Fee: \$20.00</p> <p>NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR "A PHYSICAL SCIENCE".</p> <p>Advanced study of structure and function of human body systems from the cellular level to the organism level; interactions within and between systems that maintain homeostasis in an organism; how personal choices, environmental factors, and genetic factors affect the human body.</p>			

AP PHYSICS 1: ALGEBRA-BASED			
03165E1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Honors Biology, Algebra II, and teacher approval
<p>Lab Fee: \$20.00</p> <p>College credit may also be obtained based on qualifying AP test score</p> <p>This is a College-level, algebra-based, introductory physics course following the curriculum established by the College Board Advanced Placement (AP) Program; provides a foundation for future course work in physics; explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; introductory, simple circuits; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills</p>			

BIOLOGY, AP

03056E1000	Grade Level: 11-12	Credit: 1.0	Prerequisite: Honors Biology & Chemistry
<p>Lab Fee: \$20.00 College credit may also be obtained based on qualifying AP test score NOTE: BIOLOGY COURSES <u>03051G1000</u> and <u>03051H1000</u> ARE DEVELOPED FROM THE BIOLOGY CORE. THESE THREE COURSES ARE THE ONLY SCIENCE COURSES THAT FULFILL THE "BIOLOGY" GRADUATION REQUIREMENT.</p> <p>College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for biology; scientific process and application skills; molecules; cells; heredity; evolution; organisms; populations.</p>			

INTRO TO BIOTECHNOLOGY			
14252G1001	Grade Level: 11-12	Credit: 1.0	Prerequisite: Honors Biology & Chemistry
<p>Lab Fee: \$20.00</p> <p>A one-credit course designed to provide an overview of the biotechnology field. This advanced senior-level course emphasizes skill development, application of scientific concepts of biomedical research and development, mendelian genetics, gene structure and function, inheritance patterns, genetic abnormalities, and the human genome project.</p>			

COMPUTER SCIENCE ESSENTIALS PLTW			
10013G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Career Preparedness, Teacher Approval
<p>Lab Fee: \$35.00 Credential: None **This course may be used to fulfill a student's third and/or fourth credit in science.</p> <p>Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to Computer Science Principles and Computer Science A.</p>			

COMPUTER SCIENCE PRINCIPLES, AP			
10019E1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Computer Science Essentials PLTW
<p>Lab Fee: \$35.00 Credential: AP Computer Science Exam **This course may be used to fulfill a student's third and/or fourth credit in science.</p> <p>Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. <i>This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit</i></p>			

CYBERSECURITY PLTW			
10016G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Computer Science Essentials PLTW
<p>Lab Fee: \$35.00 **This course may be used to fulfill a student's third and/or fourth credit in science.</p> <p>A one-credit course that introduces students to the tools and concepts of cybersecurity and encourages them to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.</p>			

FOREIGN LANGUAGE

The Foreign Language Department recommends that the first and second courses of foreign language be taken in consecutive years.

SPANISH 1			
24052G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Grade level English and parental approval. An average of a C or above in English recommended.
<p>Course Fee: \$15.00</p> <p>This course introduces the student to the language and culture of Spanish-speaking countries. Basic skills in listening, speaking, reading and writing are stressed through a gradual immersion of students in simple vocabulary and grammar used in daily conversations. A textbook, workbook, CD's, video clips, magazines, websites, and films are used to support basic language acquisition and foster cultural understanding. This course may be taught through ACCESS Distance Learning.</p>			

SPANISH 2			
24053G1000	Grade Level: 10-12	Credit: 1.0	Prerequisite: Spanish I and teacher approval
<p>Course Fee: \$15.00</p> <p>Spanish II is a continuation and reinforcement of Spanish vocabulary and grammar with a focus on the development of a novice mid-to-high level of proficiency in speaking, reading and writing. A textbook, workbook, CD's, magazines, websites, video clips, and films are used to foster language proficiency, cross-curriculum connections and cross-cultural comparisons. This course may be taught through ACCESS Distance Learning.</p>			

SPANISH 3

24054G1000

Grade Level: 11-12

Credit: 1.0

Prerequisite: Spanish II and teacher approval

Course Fee: \$15.00

Spanish III is an intensive study of Spanish grammar with an emphasis on writing and conversation skills in the classroom. Through the use of authentic texts and scholarly resources, students will expand their learning about the geography, history, and culture of Spain and Latin America. This course may be taught through ACCESS Distance Learning.

ARTS EDUCATION

VISUAL ARTS, VISUAL ARTS I			
05154G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
<p>Course Fee: \$30.00</p> <p>This one credit course, novice level, is the first of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allow for self-expression. Through exploration and experimentation, this course provides students with a general foundation in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.</p>			

VISUAL ARTS, VISUAL ARTS II			
05154G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts I and teacher recommendation
<p>Course Fee: \$30.00</p> <p>This one credit course, intermediate level, is the second of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to further understand how visual arts communicate ideas and allow for self-expression. Through exploration and experimentation, this course provides students with a more in depth study of foundations in studio processes, art criticism, aesthetics, and art history. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.</p>			

VISUAL ARTS, VISUAL ARTS III			
05154G1003	Grade Level: 10-12	Credit: 1.0	Prerequisite: Visual Arts II and teacher recommendation
<p>Course Fee: \$30.00</p> <p>This one credit course, accomplished level, is the third of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allow for self-expression. Through continued exploration and experimentation, this course provides students with a comprehensive study in studio processes, art criticism, aesthetics, and art history to provide a deeper understanding and appreciation of visual arts. Students respond to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art. Safe practices and proper use of tools and materials are emphasized.</p>			

VISUAL ARTS, VISUAL ARTS IV

05165G1004

Grade Level: 10-12

Credit: 1.0

Prerequisite: Visual Arts III and teacher recommendation

Course Fee: \$30.00

This one credit course, advanced level, is the fourth of a sequential high school course. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how visual arts communicate ideas and allow for self-expression. Students will demonstrate concepts and skills through continued exploration and experimentation with an advanced study in studio processes, art criticism, aesthetics, and art history. Students will demonstrate critical problem solving techniques to personal experiences and express ideas using a variety of traditional and contemporary media while effectively applying the elements of art and principles of design to create original works of art equivalent to college-preparatory or honors to reinforce a continued enjoyment of visual arts. Safe practices and proper use of tools and materials are emphasized.

VISUAL ARTS, CERAMICS II

05159G1002

Grade Level: 10-12

Credit: 1.0

Prerequisite: Visual Arts I and teacher recommendation

Course Fee: \$30.00

This intermediate level course is the first of a sequential high school course focusing on the medium of ceramics. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how ceramics communicate ideas and allow for self-expression. Through exploration and experimentation, this course provides students with a more in depth foundation in the ceramic studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary ceramic processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

VISUAL ARTS, DRAWING II

05156G1002

Grade Level: 10-12

Credit: 1.0

Prerequisite: Visual Arts I and teacher recommendation

Course Fee: \$30.00

This intermediate level course is the first of a sequential high school course focusing on the medium of drawing. Creating, presenting, responding and connecting drive critical thinking, meaning, reflection, production and assessment to understand how drawing communicates ideas and allows for self-expression. Through exploration and experimentation, this course provides students with a more formal foundation in the drawing studio processes, art criticism, aesthetics, and art history. Students will respond to personal experiences and express ideas using a variety of traditional and contemporary drawing processes, while effectively applying the elements of art and principles of design. Safe practices and proper use of tools, equipment and materials are emphasized.

MARCHING BAND/CONCERT BAND

TRAD & EMER ENS, MARCHING BAND I			
05103G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
<p>Course Fee: \$50.00 FIRST YEAR OF MARCHING BAND. This course is offered only in the FALL.</p> <p>All band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.</p>			

TRAD & EMER ENS, MARCHING BAND II			
05103G1002	Grade Level: 10-12	Credit: 1.0	Prerequisite: Director Approval
<p>Course Fee: \$50.00 SECOND YEAR OF MARCHING BAND. This course is offered only in the FALL.</p> <p>All band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.</p>			

TRAD & EMER ENS, MARCHING BAND III			
05103G1003	Grade Level: 11-12	Credit: 1.0	Prerequisite: Director Approval
<p>Course Fee: \$50.00 THIRD YEAR OF MARCHING BAND. This course is offered only in the FALL.</p> <p>All band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.</p>			

TRAD & EMER ENS, MARCHING BAND IV**05103G1004****Grade Level: 12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$50.00****FOURTH YEAR OF MARCHING BAND.****This course is offered only in the FALL.**

All band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days

TRAD & EMER ENS, CONCERT BAND I**05102G1001****Grade Level: 9-12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$50.00****FIRST YEAR OF CONCERT BAND.****This course is offered only in the SPRING.**

All concert band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.

TRAD & EMER ENS, CONCERT BAND II**05102G1002****Grade Level: 9-12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$50.00****SECOND YEAR OF CONCERT BAND.****This course is offered only in the SPRING.**

All concert band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.

TRAD & EMER ENS, CONCERT BAND III**05102G1003****Grade Level: 9-12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$50.00****THIRD YEAR OF CONCERT BAND.****This course is offered only in the SPRING.**

All concert band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days and will be offered only in the spring.

TRAD & EMER ENS, CONCERT BAND IV**05102G1004****Grade Level: 9-12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$50.00****FOURTH YEAR OF CONCERT BAND.****This course is offered only in the SPRING.**

All concert band students must meet the approval of the band director before being admitted to this class. Students are strongly recommended to have had prior musical experience on their instruments. Students must be willing and able to perform strenuous physical activity. Attendance at all rehearsals and performances is required. This course requires some extended hour school days and will be offered only in the spring.

TRAD & EMER ENS, JAZZ ENSEMBLE I**05105G1001****Grade Level: 9-12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$50.00****FIRST YEAR OF JAZZ BAND.****This course is offered only in the SPRING.**

All jazz band students must meet the approval of the band director before being admitted to this class. This is a one credit course, novice level, designed for beginning music students to experience instrumental music in a jazz band or jazz ensemble setting. Students will develop a characteristic tone and engage in the processes of creating, performing and responding as related to instrumental music, while employing the concepts of timbre, rhythm, melody, harmony, form and expression. Students will study works of famous composers of jazz music and learn to connect musical experiences to other cultures and disciplines within and outside of the arts. Students are strongly recommended to have had prior musical experience on their instruments. Attendance at all rehearsals and performances is required. This course requires some extended hour school days.

CHORUS

TRAD & EMER ENS, MIXED CHORUS I			
05110G1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: Director Approval
<p>Course Fee: \$30.00 Uniform Rental: \$10.00 FIRST YEAR OF CHORUS</p> <p>This course provides opportunities for growth in the understanding of musical elements (rhythm, melody, form, harmony, dynamics, expressive elements, tone color or timbre, articulation, and style) as applied to the music performed. Students will learn to enjoy participating in vocal music, work cooperatively with other students in the musical organization and serve the school by participating in performances. Attendance at all scheduled performances is required. This course requires some extended hour school days.</p>			

TRAD & EMER ENS, MIXED CHORUS II			
05110G1002	Grade Level: 9-12	Credit: 1.0	Prerequisite: Mixed Chorus I or Director Approval
<p>Course Fee: \$30.00 Uniform Rental: \$10.00 SECOND YEAR OF CHORUS</p> <p>This is a one credit course, intermediate level, designed for students with at least one year of experience to continue to explore choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop basic vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.</p>			

TRAD & EMER ENS, MIXED CHORUS III			
05110G1003	Grade Level: 9-12	Credit: 1.0	Prerequisite: Mixed Chorus II or Director Approval
<p>Course Fee: \$30.00 Uniform Rental: \$10.00 THIRD YEAR OF CHORUS</p> <p>This is a one credit course, proficient level, designed for students to increase artistry by exploring choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.</p>			

TRAD & EMER ENS, MIXED CHORUS IV**05110G1004****Grade Level: 9-12****Credit: 1.0****Prerequisite: Mixed Chorus III or Director Approval****Course Fee: \$30.00****Uniform Rental: \$10.00****FOURTH YEAR OF CHORUS**

This is a one credit course, proficient level, designed for students to increase artistry by exploring choral music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will continue to develop vocal skills and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these experiences to historical relevance, contemporary issues, and self-reflection.

TRAD & EMER ENS, SHOW CHOIR I**05121G1001****Grade Level: 9-12****Credit: 1.0****Prerequisite: Director Approval****Course Fee: \$20.00****Uniform Rental: \$10.00**

This is a one credit course, novice level, designed for beginning music students to explore popular music from a wide variety of cultures and time periods through academic study and performance. By creating, performing, and responding, students will develop basic vocal skills, choreography and movement and sight-reading techniques. Allowing musical experiences to other cultures and disciplines within and outside of the arts, music history and theory are embedded so students may connect these popular vocal style experiences to historical relevance, contemporary issues, and self-reflection.

TRAD & EMER ENS, CHAMBER CHORUS I**05111G10C1****Grade Level: 9-12****Credit: 1.0****Prerequisite: Audition & Director Approval****Course Fee: \$30.00****Uniform Rental: \$10.00**

This is a performance based class of experienced students with a higher level than basics. Students will learn to enjoy participating in vocal music, work cooperatively with other students in the musical organization and serve the school by participating in performances. May repeat for credit. Attendance at all scheduled performances is required. This course requires some extended hour school days.

PHYSICAL EDUCATION AND HEALTH

Beginning Kinesiology			
08017G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
<p>Beginning Kinesiology is the physical education course required for graduation.</p> <p>Stand-alone course which encompasses the basic concepts of athletics and fitness, and introduces students to the basic physiological, psychological, sociological, and mechanical principles of human movement. Highly recommended that students take Beginning Kinesiology in Grade 9. Prerequisite for all physical education elective courses.</p>			

Advanced Kinesiology			
08017G1001	Grade Level: 10-12	Credit: 1.0	Prerequisite: Beginning Kinesiology
<p>Elective course that covers the knowledge base of kinesiology, the importance of physical activity in daily life, and the different career paths associated with a degree in kinesiology. This class is for students who wish to pursue a career as a physical education teacher, athletic, trainer, physical therapist, personal trainer, movement-related research specialist, or other careers related to health, fitness, and sports.</p>			

Strength and Conditioning			
08005G1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: Beginning Kinesiology
<p>Elective course that will give students the tools and resources needed to be physically fit and healthy for a lifetime. This course is a stand-alone course open to all students. It is not part of, nor may it be combined with, varsity athletics.</p>			

Athletic PE Courses			
See below	Grade Level: 9-12	Credit: 1.0	Prerequisite: Beginning Kinesiology
<p>Students must have permission from the coach of the appropriate course to enroll.</p> <p>Team Course Numbers:</p> <p>08013G10BA Varsity Baseball 08013G10BK Varsity Basketball 08006G10CH Varsity Cheerleading 08013G10CC Varsity Cross Country 08013G10FB Varsity Football 08013G10GO Varsity Golf 08013G10SB Varsity Softball 08011G10TN Varsity Tennis 08013G10TF Varsity Track & Field 08013G10VB Varsity Volleyball 08013G10WR Varsity Wrestling</p>			

HEALTH

08051G0500

Grade Level: 10-12

Credit: 0.5

Prerequisite: None

This course is taken the same semester as Driver's Education. These courses should be requested together.

This course is a state requirement for graduation from high school. It is composed of several health content areas. Students are exposed to general information concerning good health practices so that they may make educated lifestyle decisions. Content areas covered are mental health, substance abuse, first aid, personal health, family health, disease prevention and nutrition

Other Electives

DRIVER AND TRAFFIC SAFETY EDUCATION			
08152G1000	Grade Level: 10-12	Credit: 0.5	Prerequisite: None
<p>Course Fee: \$20.00 This course is taken the same semester as Health. These courses should be requested together.</p> <p>This course consists of classroom instruction from a driving text and driving instruction in a car with the teacher. Due to the nature of the Driver's Education course, it is best if the student is 15 or older at the beginning of the school year. In order to complete the driving requirement for the course, a student must have a driver's permit and at least a grade of "60" for the classroom instruction. (A student seeking a driver's permit must take a completed school enrollment form, available in the school office, to the Alabama State Troopers office. In order to take the test with the Alabama State Troopers office, a student must present the enrollment form.) Beginning Fall, 2007, students that receive a passing grade for the classroom portion of the Driver Education class will have the option of taking the Alabama License Road Test under the supervision of the Driver Education Instructor instead of taking the test at the Department of Motor Vehicles.</p>			

Special Services

For students served by Individual Education Plans (IEP) pursuing the Essentials/Life Skills Pathway.

Essentials English

ENGLISH ESSENTIALS 9			
01001X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
This ninth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.			

ENGLISH ESSENTIALS 10			
01002X1002	Grade Level: 10	Credit: 1.0	Prerequisite: English Essentials 9
This tenth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.			

ENGLISH ESSENTIALS 11			
01003X1003	Grade Level: 11	Credit: 1.0	Prerequisite: English Essentials 9 & English Essentials 10
This eleventh grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.			

ENGLISH ESSENTIALS 12			
01004X1004	Grade Level: 12	Credit: 1.0	Prerequisite: English Essentials 9, English Essentials 10, English Essentials 11
This twelfth grade course provides students with a practical knowledge of language and literature. The course also includes the refinement of reading, writing, editing and speaking skills. It is designed to prepare students for Postsecondary education and employment.			

Essentials Math

ESSENTIALS GEOMETRY w/DATA ANALYSIS			
02073X1000	Grade Level: 9	Credit: 1.0	Prerequisite: Grade 8 Math
<p>Essentials Geometry with Data Analysis is the first of three required courses in high school mathematics for students on the Essentials Pathway. In Essentials Geometry with Data Analysis, students incorporate knowledge and skills in Geometry and Measurement, Algebra and Functions, and Data Analysis, Statistics, and Probability, leading to a deeper understanding of fundamental relationships within the discipline and building a solid foundation for further study.</p>			

ESSENTIALS ALGEBRA I w/PROBABILITY			
02052X1000	Grade Level: 10	Credit: 1.0	Prerequisite: Essentials Geometry w/Data Analysis
<p>Essentials Algebra I with Probability builds upon algebraic concepts studied in Grade 7 and Grade 8 Mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in the subsequent study of mathematics. Essentials Algebra I with Probability is the second of three courses required for students on the Essentials Pathway.</p>			

ESSENTIALS ALGEBRA II w/STATISTICS			
02056X1001	Grade Level: 11	Credit: 1.0	Prerequisite: Essentials Geometry w/Data Analysis and Essentials Algebra I w/Probability
<p>Essentials Algebra II with Statistics builds on the students' experiences in previous mathematics in Essentials Geometry with Data Analysis and Essentials Algebra I with Probability. It is the third of three required courses for students on the Essentials Pathway, and it is to be taken following the successful completion of Essentials Geometry with Data Analysis and Essentials Algebra I with Probability. It is the culmination of the three years of required mathematics content and sets the stage for continued study of topics specific to the student's interests and plans beyond high school.</p>			

ESSENTIALS ALGEBRA w/FINANCE			
02056X1001	Grade Level: 12	Credit: 1.0	Prerequisite: Essentials Geometry w/Data Analysis, Essentials Algebra I w/Probability, and Essentials Algebra II w/Statistics
<p>Algebra with Finance contains the course content for students following the Essentials pathway. This course integrates foundational algebra, probability and statistics, and geometry to solve financial problems that occur in everyday life. These skills are identified in the general education Algebra with Finance course. The course includes real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting, and planning for retirement in order to equip students with the skills necessary for employment and independent living.</p>			

Essentials Science

ESSENTIALS BIOLOGY			
03051X1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
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.			

ESSENTIALS PHYSICAL SCIENCE			
03159X1000	Grade Level: 10	Credit: 1.0	Prerequisite: None
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.			

ESSENTIALS EARTH AND SPACE SCIENCE			
03008X1000	Grade Level: 11	Credit: 1.0	Prerequisite: None
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.			

ESSENTIALS ENVIRONMENTAL SCIENCE			
03003X1000	Grade Level: 12	Credit: 1.0	Prerequisite: None
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.			

ESSENTIALS HUMAN ANATOMY AND PHYSIOLOGY			
03053X1000	Grade Level: 12	Credit: 1.0	Prerequisite: None
This course is designed to provide students with a practical knowledge of Human Anatomy and Physiology including scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; system regulation and integration.			

Essentials History

ESSENTIALS I: WORLD HISTORY			
04051X1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
<p>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.</p>			

ESSENTIALS II: U.S. HISTORY TO 1877			
04102X1011	Grade Level: 10	Credit: 1.0	Prerequisite: Essentials I: World History
<p>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.</p>			

ESSENTIALS III: U.S. HISTORY FROM 1877			
04103X1011	Grade Level: 11	Credit: 1.0	Prerequisite: None
<p>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.</p>			

ESSENTIALS IV: ECONOMICS			
04201X0511	Grade Level: 12	Credit: 0.5	Prerequisite: None
<p>This course is a nine-week course that focuses on the functions and institutions of modern-day economic systems and theory. Students gain skills that will enable them to anticipate changes in economic conditions and how to adjust to the changes to improve their lives and their communities.</p>			

ESSENTIALS IV: GOVERNMENT			
04151X0511	Grade Level: 12	Credit: 0.5	Prerequisite: None
<p>This course is a nine-week course that focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions.</p>			

Essentials Electives

TRANSITION SERVICES			
22151X1000	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
<p>This course is designed to teach beginning transition skills to junior high/high school students. This course will prepare students to become self-advocates, participate in postsecondary education and/or training to gain meaningful employment and support community participation as they plan for life after high school. This course meets the requirement for the Essentials Pathway.</p>			

COOPERATIVE ED/WBL			
22998G1014	Grade Level: 11-12	Credit: 1.0	Prerequisite: None
<p>A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.</p> <p>Note: The teacher of this course must have earned credit in “Functions of the Coordinator” or “Principles of Coordination.”</p>			

ESSENTIALS CAREER PREPAREDNESS			
19258X1000	Grade Level: 9	Credit: 1.0	Prerequisite: None
<p>This course is designed to prepare high school students for work-based experiences. Work-based experiences can be an apprenticeship (paid) or an internship(unpaid). The student should have a minimum of 140 successful hours 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 Essentials Pathway.</p>			

Special Services

**For students served by Individual Education Plans (IEP) pursuing the
Extended Standards Pathway.**

Extended Standards English

AAS: ENGLISH LANGUAGE ARTS - 9			
01037X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).			

AAS: ENGLISH LANGUAGE ARTS - 10			
01037X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).			

AAS: ENGLISH LANGUAGE ARTS - 11			
01037X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).			

AAS: ENGLISH LANGUAGE ARTS - 12			
01037X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in English language arts using alternate achievement standards (Extended Standards).			

Extended Standards Reading

AAS: READING - 9

01049X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards).

AAS: READING - 10

01049X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards).

AAS: READING - 11

01049X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards).

AAS: READING - 12

01049X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in reading using alternate achievement standards (Extended Standards).

Extended Standards Math

AAS: MATHEMATICS - 9

02039X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

AAS: MATHEMATICS - 10			
02039X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

AAS: MATHEMATICS - 11			
02039X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

AAS: MATHEMATICS - 12			
02039X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in mathematics using alternate achievement standards (Extended Standards).			

Extended Standards Science

AAS: SCIENCE - 9			
03239X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None

This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SCIENCE - 10

03239X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SCIENCE - 11

03239X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SCIENCE - 12

03239X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

Extended Standards Social Studies

AAS: SOCIAL STUDIES - 9

04439X1001	Grade Level: 9	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SOCIAL STUDIES - 10

04439X1002	Grade Level: 10	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SOCIAL STUDIES - 11

04439X1003	Grade Level: 11	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

AAS: SOCIAL STUDIES - 12

04439X1004	Grade Level: 12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities who are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are enrolled in science using alternate achievement standards (Extended Standards).

Extended Standards Electives

AAS: LIFE SKILLS - CAREER PREPAREDNESS

19258X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities enrolled in a course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives emphasize increasing independence and self-determination skills.

AAS: LIFE SKILLS - CAREER PREPAREDNESS

19257XKG08	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities taking a non-academic course that addresses the routine activities of everyday living and are working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway.

AAS: LIFE SKILLS HEALTH

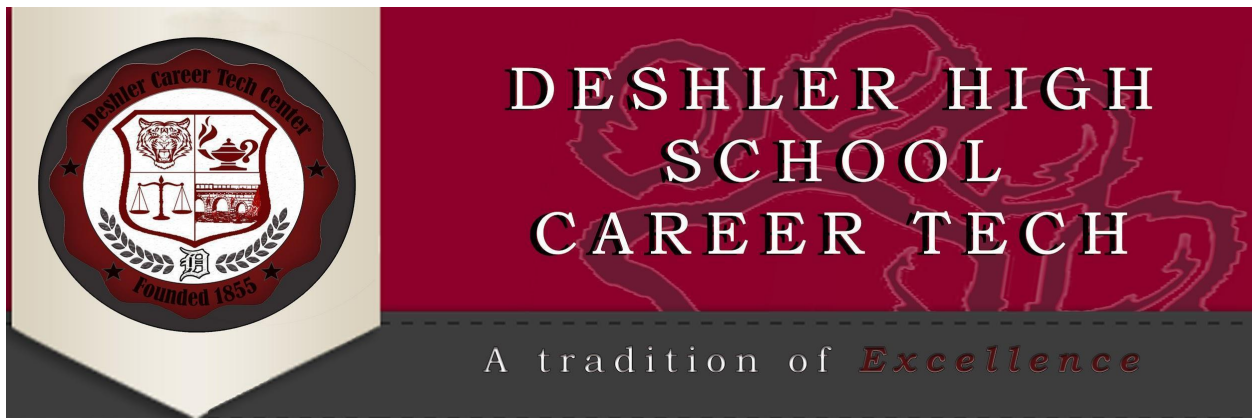
08051X1001	Grade Level: 9-12	Credit: 1.0	Prerequisite: None
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This code applies to students with significant cognitive disabilities enrolled in a course working towards the Alabama High School Diploma following the Alternate Achievement Standards Pathway and are assessed using alternate achievement standards (Extended Standards). Course objectives are aligned with the content standards in the Alabama Course of Study: Health Education.

DESHLER CAREER TECH CENTER CURRICULUM

The goal of Deshler’s Career and Technical Education curriculum is to provide students access to a flexible system of rigorous school and work-based learning planned collaboratively by students, parents, educators, and employers. Deshler’s Career and Technical Education curriculum keeps pace with the rapid changes in business and industry by offering students high caliber learning experiences that are in a continuous process of review and improvement. Deshler’s Career and Technical Education curriculum continually re addresses student learning by individualizing instruction with emphasis on customized learning rather than generic “one-size- fits all” instruction. Deshler’s Career and Technical Education curriculum provides for implementation of new measures and methods for assessing and certifying what students know and are able to do. This curriculum includes additional performance and outcome-based measurements that address acquisition of individual knowledge and skills.

The Deshler Career Tech Center has implemented the Simulated Workplace model. Simulated Workplace is designed to prepare students for a lifetime of achievement in school and future careers. It accomplishes this by teaching students about modern workplace requirements and industry best practices. Students will be considered employees in the Career Pathway they select. Each pathway will implement requirements unique to the area.



Career and Technical Education Offerings for 2023-2024

* Can count as a science credit

**Can count as a math or science credit

Program	Course Number	Course Name	Prerequisite
Agriscience/Plant Systems	18003G1001	Fundamentals of Agriscience (required foundation course)	None
	18056G1001	Landscape Design & Management	Fundamentals of Agriscience
	18998G1000	Career Pathway Project in AFNR	Agriscience, plus one additional Agriscience course
General Agriculture Program	18003G1001	Fundamentals of Agriscience (required foundation course)	None
	18003G1002	Intermediate Agriscience	Fundamentals of Agriscience
	18003G1003	Advanced Agriscience	Intermediate Agriscience
	18003G1004	Applied Agriscience	Intermediate Agriscience
	18004G1001	*AgriBiology	Fundamentals of Agriscience
	18998G1000	Career Pathway Project in AFNR	Agriscience, plus one additional Agriscience course
Program	Course Number	Course Name	Prerequisite
Finance Cluster	22153G1000	Career Preparedness	None
	12007G1000	Business Finance	Career Prep, Application, Teacher and Bank Approval
	12103G1006	Fundamentals of Financial Management	Career Prep, Application, Teacher and Bank Approval
	22998G1014	Cooperative Education Workforce Readiness (Ready To Work)	Application, Teacher Approval, Junior or Senior
	12147G1003	Career Pathway Project in Finance	Teacher approval, two courses completed in the Finance Cluster
Business Management/Administration Marketing Cluster	12054G1001	Business and Legal Concepts	Career Preparedness
	12162G1001	Digital Marketing	None
	12163G1003	Sports and Entertainment Marketing	None

	12053G1000	Entrepreneurship (Yearbook)	Teacher Approval, 11 th and 12 th grade only
	12197G1003	Career Pathway Project in Marketing	Teacher approval, two additional courses in the Marketing pathway
Program	Course Number	Course Name	Prerequisite
HumanServices/Food, Wellness and Dietetics	19251G1000	Family and Consumer Sciences (required foundation course)	None
	19252G1000	Food and Nutrition	FACS
	16057G1000	Event Planning	FACS
Program	Course Number	Course Name	Prerequisite
Health Science	14002G1001	Foundations of Health Science	None
	14299G1001	**Human Body Structures and Functions	None
	14152G1001	Pharmacy Technician	Foundations of HS
	14154G1000	Medical Terminology	Foundations of HS
	14298G1000	Health Science Internship (CNA or CCMA)	Foundations of HS, Internship Application, Teacher Approval (12th grade only)
Program	Course Number	Course Name	Prerequisite
PLTW Computer Science/ Programming and Software Development Program	10013G1000	**Computer Science Essentials	None
	10019E1000	**AP Computer Science Principles	Computer Science Essentials
	10997G1001	Senior Career Pathway Project-Information Technology	Information Technology Fundamentals along with 1 additional course within CS, Teacher Approval
	10012G1001	**Exploring Computer Science	None
See Mrs. Brown for information pertaining to this course.	REACH	Advanced Manufacturing Technician Apprenticeship Program (AMTAP) Lockheed Martin	Application, teacher approval, seniors only
Program	Course Number	Course Name	Prerequisite

PLTW Engineering	21017G1000	Introduction to Engineering Design	None
	21018G1000	*PLTW Principles of Engineering	Introduction to Engineering or Introduction to Drafting Design
	21021G1000	PLTW Civil Engineering and Architecture	Principles of Engineering Design
Program	Course Number	Course Name	Prerequisite
Law Enforcement Services	15001G1000	Introduction to Public Safety	None
	15054G1000	Law Enforcement and Corrections	None
	15997G1002	CTE Lab in Law, Public Safety, Corrections, and Security	Introduction to Public Safety and Law Enforcement and Corrections; Seniors Only; Teacher Approval
Program		Course Name	Prerequisite
Dual Enrollment Offerings with Northwest Shoals Community College - CTE Courses are offered at no charge to our students.		<ul style="list-style-type: none"> Accounting Technology Air Conditioning/Refrigeration Technology (HVAC) Alabama FAME Program Applied Engineering and Machining (Machine Shop) Automotive Service Technology Business Office Management Child Development Computer Information Systems (CIS) Design Engineering Technology Electrical Technology Industrial Systems Technology Salon and Spa Management (this program does have a fee associated) Welding 	College Application
Possible CTE courses offered at Muscle Shoals Career Academy		<ul style="list-style-type: none"> Autobody Carpentry Cosmetology Industrial Maintenance Welding 	Application and Director approval; Juniors and Seniors Only
Possible CTE Courses available at The	Culinary Arts	CAM 112 Food Safety and Sanitation CAM 250 Intro to Culinary Arts HEM 102- Intro to Hospitality Management	College Application

University of North Alabama			
	Mechatronics	MEC 101- Industrial Safety MEC 110- Instrumentation & Ind. Measurement MEC 140- AC & DC Fundamentals & Circuits	College Application
	Hospitality and Event Management	HEM 102- Introduction to Hospitality HEMA 123- Field Experience I HEMA 207- Career Preparation	College Application

General Agriculture Pathway

This program is designed to deliver a variety of agricultural disciplines which will provide students a general understanding of the scope of agriculture as it relates to the following areas: animal science, plant science, food science, forestry and wildlife sciences, agricultural construction and agricultural mechanics.

** Course may be used as a science credit.

FUNDAMENTALS OF AGRISCIENCE

18003G1001	Grade Level: 9 & 10	Credit: 1.0	Fee \$20.00	Prerequisite: NONE
<p>Fundamentals of Agriscience is an introductory course that provides students with a general overview of Animal Science, Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture, the five pathways within the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and/or laboratory activities in each of the five pathway areas. Emphases of Fundamentals of Agriscience include introduction to agriculture, technology, The National FFA, leadership, forestry, soils, wildlife, plants, aquaculture, animals, woodworking, welding, small engines, electricity, and plumbing.</p> <p>Credential: BQA (Beef Quality Assurance) NCCER (National Center for Construction Education and Research)</p> <p>*Required Foundational Course for this Pathway</p>				

INTERMEDIATE AGRISCIENCE

18003G1002	Grade Level: 9 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Fundamentals of Agriscience
<p>Intermediate Agriscience builds on basic understanding of the Plant Science, Environmental Science, Industrial Agricultural Technologies, and General Agriculture pathways within the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Intermediate Agriscience emphasizes plant systems, environmental systems, and industrial agricultural technologies.</p> <p>Credential: BQA (Beef Quality Assurance) NCCER (National Center for Construction Education and Research)</p>				

ADVANCED AGRISCIENCE

18003G1003	Grade Level: 9th - 12th	Credit: 1.0	Fee: \$20.00	Prerequisite: Intermediate Agriscience
<p>Advanced Agriscience provides students with an increased understanding of Animal Science, Industrial Agricultural Technologies, and General Agriculture, three of the five pathways of the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each area. Advanced Agriscience emphasizes animal science and industrial agricultural</p>				

technologies.
 Credential: **BQA (Beef Quality Assurance)**

APPLIED AGRISCIENCE

18003G1004	Grade Level: 9 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Intermediate Agriscience
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Applied Agriscience provides students with an advanced understanding of Industrial Agricultural Technologies and General Agriculture, two of the five pathways in the Agriculture, Food, and Natural Resources cluster. Students are involved in classroom and laboratory activities in each pathway area. Applied Agriscience emphasizes metal fabrication and power mechanics. Students should be allowed ample time in the laboratory to utilize content in real-world applications.
 Credential: **BQA (Beef Quality Assurance)**

AGRIBIOLOGY **

18004G1001	Grade Level: 9 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: NONE
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Agribiology uses agricultural contexts to present life science content. As students consider practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. Content may be enhanced by utilizing appropriate technology.
 Credential: **ATOLL (Aquaculture Training and Online Learning)**

Plant Pathway

This program is designed to provide students with an understanding of the greenhouse, horticulture and nursery/landscape industries.

LANDSCAPE DESIGN & MANAGEMENT				
18056G1001	Grade Level: 9 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Fundamentals of Agriscience
<p>Landscape Design and Management prepares students to create, install, and manage various types of landscape plans and features. Topics include facilities, irrigation, tools and equipment, landscape establishment, plant identification, design, business management, maintenance, environmental issues, and technology.</p> <p>Credential: BQA (Beef Quality Assurance)</p>				

CAREER PATHWAY PROJECT IN AFNR				
18998G1000	Grade Level: 10 - 12 TEACHER APPROVAL	Credit: 1.0	Fee: \$20.00	Prerequisite: Completion of two courses within the same pathway.
<p>Career Pathway Project (CPP) in Agriculture, Food, and Natural Resources is a capstone course designed for career and technical education students who have completed two or more courses in the AFNR career cluster. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-depth exploration of the area while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education. During the CPP, the student works with his or her coordinating teacher, academic teachers, and a product or process mentor who has expertise in the student's field of study. At the conclusion of the CPP, the student presents or demonstrates knowledge gained to an audience consisting of the coordinating teacher, academic teachers, the product or process mentor, peers, and community and business representatives.</p>				

**** Course may be used as a science credit.**

Business Management and Administration Cluster

Marketing Cluster

Finance Cluster

The Business Management and Administration Program is for students who are interested in pursuing careers in business administration and management. Courses provide an overview of career opportunities, which are available in every sector of the economy and require specific skills in organization, time management, customer service, communication, and effective use of technology. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations (DECA).

This Marketing Cluster prepares high school students for careers in the field of marketing. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations (DECA).

The Finance program prepares learners for careers in financial and investment planning, banking, insurance, and business financial management. Career opportunities are available in every sector of the economy and require individuals working in finance to have strong computation, analytical, and interpersonal skills. Rigorous instruction is provided to equip learners with knowledge and skills for college and career readiness. Extended learning experiences to enrich and enhance instruction is reinforced through learner participation in career and technical student organizations (DECA).

CAREER PREPAREDNESS				
22153G1000	Grade Level: 9 - 12	Credit: 1.0	Fee: \$20.00 Donation	Prerequisite: NONE
<p>A required course for graduation for the new diploma that provides content knowledge and skills in the areas of career development and academic planning; computer skill applications; and financial literacy knowledge. Students enrolled in this course are eligible for membership in DECA. Credential: Microsoft Office Specialist Credential: Certified Guest Service Professional</p>				

BUSINESS FINANCE				
12007G1000	Grade Level: 11 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Career Prep, Application, Teacher and Bank Approval
<p>Business Finance is designed to provide students with an overview of business financial matters. The content focuses on the business environment, economics, accounting procedures, and developing a business plan. Students will gain knowledge of business management, accounting, and investment. Credential: Ready To Work</p>				

FUNDAMENTALS OF FINANCIAL MANAGEMENT				
12103G1006	Grade Level: 11 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Career Prep, Application, Teacher and Bank Approval
<p>Fundamentals of Financial Management introduces students to a wide range of accounting, finance, and management concepts and skills, focusing on financial analysis that supports economic decision-making in business. The course provides core content applicable to all businesses and enables</p>				

students to acquire a deep, practical understanding of all aspects of financial management.
Credential: Ready To Work

BUSINESS & LEGAL CONCEPTS

12054G1001	Grade Level: 10 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Career Prep
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Business and Legal Concepts emphasizes the ethical and legal dimensions of conducting business. The course focuses on application of ethical concepts, historical events that have shaped business law in the United States, the U.S. court systems, contracts, insurance, and various areas of law that impact business operations.

DIGITAL MARKETING

12162G1001	Grade Level: 10 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: NONE
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Digital Marketing introduces students to digital marketing techniques, tools, and methods, including email, websites, applications, social media, and other electronic means. This course focuses on how to develop and conduct digital marketing campaigns. Emphasis is placed on creating, implementing, and critiquing online advertising, email marketing, websites, social media, mobile marketing, search-engine optimization, video and images, podcasts, webcasts, and creating and repurposing content for use in digital environments.
 Certification: Adobe

SPORTS & ENTERTAINMENT MARKETING

12163G1003	Grade Level: 10 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: NONE
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Sports and Entertainment Marketing is a specialized course designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. This course introduces the student to the major segments of the industry and the social and economic impact the industry has on local, state, national, and global economies. Although no prerequisite is listed, it is suggested that students complete an introductory marketing course prior to taking Sports and Entertainment Marketing.
 Certification: Adobe

ENTREPRENEURSHIP (School Publication)

12053G1000	Grade Level: 11 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Teacher approval, application, interview
<p>Entrepreneurship focuses on the skills needed to organize, develop, create, and manage a business in a variety of environments. Course standards are designed to foster an entrepreneurial mindset; encourage innovation, critical thinking, and problem-solving in a fast-paced professional setting; and build basic knowledge of various entrepreneurial ventures.</p>				

CAREER PATHWAY PROJECT IN MARKETING				
12197G1003	Grade Level: 11 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Teacher approval, two additional courses within this pathway
<p>Career Pathway Project (CPP) in Marketing is a capstone course designed for students who have completed two or more Career and Technical Education credits from the same pathway in the Marketing Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent-learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</p>				

CAREER PATHWAY PROJECT IN FINANCE				
12147G1003	Grade Level: 11 - 12	Credit: 1.0	Fee: \$20.00	Prerequisite: Teacher approval, two additional courses within this pathway
<p>Career Pathway Project (CPP) in Finance is a capstone course designed for students who have earned two or more credits from the same pathway in the Finance Career Cluster. This course allows students to utilize the knowledge and skills gained through their secondary coursework in a practical, real-world experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and explore it in depth while demonstrating problem-solving, decision-making, and independent learning skills. The CPP contributes to an educational plan of challenging courses and practical experiences that prepares students for the workplace or for pursuing further education.</p>				

COOPERATIVE EDUCATION				
22998G1014	Grade Level: 11-12	Credit: 1.0	Fee: NONE	Prerequisite: Teacher approval, application, interview Requirement: Must have completed Career Prep and at

				least one course in another Career Tech pathway.
<p>A one-credit work-based experience requiring a minimum of 140 continuous and successful hours of employment performed under the supervision of a workplace mentor and the work-based learning/cooperative education coordinator.</p> <p style="text-align: center;"><u>Guidelines for enrollment in Cooperative Education</u></p> <ol style="list-style-type: none"> 1. Must have good attendance in school (determined by Cooperative Ed teacher, Career Tech Director and principal). 2. Must have good behavior and conduct in school and community. 3. Must be 16 years of age by September 1. 4. Must have consent of parent or guardian. 5. Must submit an application to the program coordinator. 6. Must have approval of the program coordinator. 7. Must provide their own transportation. 8. Must have a job or acquire a job at the beginning of the semester. May be a paid or non-paid position. 9. Must be enrolled the entire semester to earn a full credit (half credits are not awarded). 10. Maintain employment throughout the semester. 11. Must provide proof of health insurance. 12. Must provide proof of automobile insurance. 13. Must provide a valid driver's license. <p style="text-align: center;"><u>Criteria for credit in Cooperative Education</u></p> <ol style="list-style-type: none"> A. Complete a minimum of 270 work hours B. Maintain continuous employment throughout the school year/semester (as it applies) C. Complete a weekly sign-in/check-in with the cooperative education teacher (more if requested) D. Complete all required forms by the stated deadlines E. If employment is lost during the semester/year, student must actively seek and document new employment (forms provided by cooperative education teacher). New employment must be gained within a three (3) week time period or credit will not be awarded. 				

FOOD, WELLNESS AND DIETETICS

The Food, Wellness and Dietetics Pathway is for students who are interested in pursuing careers in nutrition, wellness, and health and disease prevention. Courses provide students with knowledge in event planning; photographic styling applications; social media and digital design techniques; developing and

adapting food products for marketing and specific nutrition needs; meal planning; food safety; and the scientific investigation of production, processing, preparation, evaluation, and utilization of food.

FAMILY & CONSUMER SCIENCES				
19251G1000	Grade Level: 9-10	Credit: 1.0	Fee: \$30.00	Prerequisite: NONE
<p>A one-credit course that serves as the foundation course for the Human Services cluster. Course content provides opportunities for students to explore the core content included in the Family Studies and Consumer Sciences; Early Childhood Development and Services; Fashion; Interior Design; Food, Wellness, and Dietetics; and Consumer Sciences pathways. Major topics are marriage and family life, parenting and caregiving, consumer services, apparel, housing, food and nutrition, technology and careers. Students enrolled in this course are eligible for membership in Family, Career and Community Leaders of America (FCCLA).</p> <p>Credential: Certified Guest Service Professional</p>				

FOOD & NUTRITION				
19252G1000	Grade Level: 10-12	Credit: 1.0	Fee: \$30.00	Prerequisite: FACS
<p>A one-credit course designed to enable students to explore the relationship between food, nutrition, fitness, and wellness. Students learn how to select and prepare nutritious foods. Students enrolled in this course are eligible for membership in Family, Career and Community Leaders of America (FCCLA)</p> <p>Credential: ServSafe</p>				

EVENT PLANNING & MANAGEMENT				
16202G1001	Grade Level: 11-12	Credit: 1.0	Fee: \$30.00	Prerequisite: FACS
<p>Students will learn to organize and plan all aspects of business and social events including the food, location, and décor associated with hiring an event planner. Concepts taught in the course to meet the needs of clients include planning for the event with activities, establishing a budget, determining the theme, planning the guest list, determining the location, developing an event plan schedule, planning transportation needs, training of staff, staging the event, calculating room and space requirements, providing necessary technology and equipment, planning food and beverage services, securing entertainment, understanding legal issues in event planning, and conducting post-evaluations of events. Students demonstrate leadership characteristics and make decisions based on integrating knowledge of financial, human resources, promotion, and event management principals. Students are prepared for various career opportunities in event planning.</p> <p>Credential: National Retail Federation-National Professional Certification in Customer Service and Sales</p>				

HEALTH SCIENCE

The Health Science program provides students with essential knowledge and skills for pursuing a career in health care. The rigorous and challenging content of the Health Science program lends itself to a variety of instructional strategies, including contextual applications, virtual classrooms, and the use of multimedia. Career and technical student organizations (HOSA) are integral, co-curricular components of each career and technical education course. These organizations serve as a means to enhance classroom instruction while helping students develop leadership abilities, expand workplace-readiness skills, and broaden opportunities for personal and professional growth. Students in most courses will have the opportunity to be certified in American Heart Association First Aid and CPR/AED.

FOUNDATIONS OF HEALTH SCIENCE

14002G1001	Grade Level: 9-12	Credit: 1.0	Fee: \$10.00	Prerequisite: NONE
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A required course in the health science curriculum and a prerequisite to all other courses. This one credit course introduces students to a wide range of health careers. Integrated academics combined with health care knowledge and skills provide the framework for a strong health care delivery system in the twenty-first century. Students enrolled in this course are eligible for membership in HOSA Future Health Professionals.

***HUMAN BODY STRUCTURES & FUNCTIONS**

14299G1001	Grade Level: 11-12	Credit: 1.0	Fee: \$10.00	Prerequisite: NONE
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A course designed to help students learn care content that emphasizes the structure and functions of cells, tissues, organs, organization of the human body systems, and medical terminology. Scientific processes, problem-based learning and critical thinking are integral parts of the course.

*Possible 3rd or 4th Science Credit

PHARMACY TECHNICIAN

14152G1001	Grade Level: 12	Credit: 1.0	Fee: \$10.00	Prerequisite: Foundations of Health Science *Recommend Medical Terminology as a prerequisite
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Pharmacy Technician is a one credit course that prepares students for the Pharmacy Technician Certification exam and a pharmaceutical career. The course covers content related to medicine, federal requirements, patient safety, quality assurance, and order processing. Foundations of Health Science is a prerequisite course. Students enrolled in this course are eligible for membership in HOSA Future Health Professionals.

Credential: Pharmacy Technician

MEDICAL TERMINOLOGY

14154G1000	Grade Level: 10-12	Credit: 1.0	Fee: \$10.00	Prerequisite: Foundations of Health Science *Recommended prerequisite for Pharmacy Technician
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A 1 credit course designed for students to develop health care-specific knowledge for a career in the medical field. The course uses an integrated approach for teaching the language by incorporating medical terminology with anatomy and physiology and the disease process. Students enrolled in this course are eligible for membership in HOSA Future Health Professionals.

HEALTH SCIENCE INTERNSHIP

14298G1000	Grade Level: 12	Credit: 1.0	Fee: \$36.00	Prerequisite: Foundations of Health Science, Internship Application, and Teacher Approval
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A one credit course designed for students in Grades 12. This course includes a variety of knowledge and skills necessary for becoming a healthcare worker or for preparing students for postsecondary education programs. Health Science Internship includes clinical experiences in a healthcare facility. **Students enrolled in this course must have a valid driver’s license, proof of insurance, and reliable transportation.** Students enrolled in this course are eligible for membership in HOSA Future Health Professionals.

Credential: Certified Nursing Assistant (CNA)

Uniform: Student Supplied

PROJECT LEAD THE WAY – COMPUTER SCIENCE

At a time when computer science affects how we work and live, PLTW Computer Science empowers students in grades 9-12 to become creators, instead of merely consumers, of the technology all around them. The program’s interdisciplinary courses engage students in compelling, real-world challenges. As students work together to design solutions, they learn computational thinking – not just how to code – and become better thinkers and communicators. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

***COMPUTER SCIENCE ESSENTIALS PLTW**

10013G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$35.00	Prerequisite: NONE
<p>Computer Science Essentials is a one-credit course that introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language.</p> <p>*Can count as 4th math or 3rd or 4th science credit</p>				

*AP COMPUTER SCIENCE PRINCIPLES				
10019E1000	Grade Level: 9-12	Credit: 1.0	Fee: \$35.00	Prerequisite: Computer Science Essentials PLTW
<p>College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) program for computer science; focuses on the innovative and multidisciplinary aspects of computing as well as the computational thinking practices that help students see how computing is relevant to many areas of their everyday lives; introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.</p> <p>Credential: AP Computer Science Exam</p> <p>*Can count as 4th math or 3rd or 4th science credit</p>				

*EXPLORING COMPUTER SCIENCE				
10012G1001	Grade Level: 9-12	Credit: 1.0	Fee: \$35.00	Prerequisite: NONE
<p>Exploring Computer Science is an introductory year-long high school computer science course for students in Grades 9-10 focused on foundational computer science concepts and computational practices. Students will be introduced to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. Prerequisite: It is recommended that students have completed Algebra I prior to enrolling or be concurrently enrolled in Algebra I. Exploring Computer Science is designed to be a college preparatory high school course and</p>				

thus, should provide a rigorous, but accessible, introduction to computer science. No previous computer science experience is required.

***Can count as 4th math or 3rd or 4th science credit**

CAREER PATHWAY PROJECT IN INFORMATION TECHNOLOGY

10997G1001	Grade Level: 11-12	Credit: 1.0	Fee: \$35.00	Prerequisite: Minimum of two career and technical education courses
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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.

LOCKHEED MARTIN/AMTAP PROGRAM

REACH	Grade Level: 12	Credit: None	Fee: NONE	Prerequisite: Application and Teacher approval; seniors only
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The Deshler High School’s Manufacturing Basic Skills (MBS) Pre-Apprenticeship Program is a project-based path for the next generation of assembly & testers and provides a path into a registered apprenticeship program with LM’s AMTAP Registered Apprenticeship Program. Through project-based and peer learning, the students engage in courses which provide foundational knowledge necessary to enter the occupation and the LM AMTAP Registered Apprenticeship Program. All participants will have the opportunity to receive the OSHA 10 industry credential and will receive Ready to Work training.

PROJECT LEAD THE WAY – ENGINEERING

From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program’s courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

PLTW Engineering courses are part of the AP + PLTW engineering pathway

INTRODUCTION TO ENGINEERING DESIGN-PLTW

21017G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$35.00	Prerequisite: NONE
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A one-credit course that uses a design development process while enriching problem-solving skills. Students create and analyze models using specialized computer software.

Credential: Autodesk Inventor

***PRINCIPLES OF ENGINEERING PLTW**

21018G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$35.00	Prerequisite: Introduction to Engineering or Introduction to Drafting Design
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A one-credit course that allows students to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation through problems that engage and challenge. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

***Can count as a science elective**

CIVIL ENGINEERING AND ARCHITECTURE-PLTW

21021G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$35.00	Prerequisite: Principles of Engineering Design
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A one-credit course that allows students to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation through problems that engage and challenge. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Credential: Autodesk Revit

Law Enforcement Services

This program is for students who are interested in pursuing careers in law enforcement and forensic science. The student will learn the role and responsibilities of a law enforcement officer; discuss relevant rules, regulations, and laws; and demonstrate defensive tactics, police patrol techniques, and CPR and First Aid procedures as used in emergency situations. Meeting and maintaining physical fitness standards for law enforcement is also emphasized in this course. The courses also focus on career opportunities, safety, history of forensic science, criminal investigation, forensic serology and DNA testing, forensic studies in anthropology, toxicology, fingerprinting, firearms, physics, and document examination

INTRODUCTION TO PUBLIC SAFETY

15001G1000	Grade Level: 9-12	Credit: 1.0	Fee: \$20.00	Prerequisite: NONE
<p>A foundational course that helps students develop the knowledge and skills necessary for success and advancement in specialized preparatory programs for public service jobs. The course emphasizes emergency preparedness, basic first aid, fire management services, legal services, and corrections and law enforcement services.</p> <p>Stackable Credential: Adult/Infant CPR</p>				

LAW ENFORCEMENT AND CORRECTIONS				
15054G1001	Grade Level: 9-12	Credit: 1.0	Fee: \$20.00	Prerequisite: Introduction to Public Safety
<p>A one-credit course designed to align with the curriculum that many law enforcement academies require and is intended for students who may be interested in pursuing a career in this field. Law Enforcement and Corrections provides an overview of the history, organization, and functions of local, state, and federal law enforcement agencies. Students will examine the role of constitutional law at local, state, and federal levels; the United States legal system; criminal law; law enforcement terminology and procedures; and the classification and elements of crime according to the Criminal Code of Alabama.</p> <p>Stackable Credential: Adult/Infant CPR</p>				

CTE LAB IN LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY				
15997G1002	Grade Level: 12	Credit: 1.0	Fee: \$20.00	Prerequisite: 2 Courses completed within the same Pathway; Teacher Approval
<p>A one-credit course designed to enhance the student's general understanding and mastery of the cluster, which contains four pathways – Law Enforcement Services, Correctional Services, Legal Services, and Emergency and Fire Management Services. This course is designed as a learning laboratory to support students' individual interests and goals. This laboratory may take place in a traditional classroom, in an industry setting, or a virtual learning environment.</p> <p>Stackable Credential: Adult/Infant CPR</p>				

