

# Jacksonville City Schools 7th - 12th Grade Curriculum Guide



**“Preparing all students for a successful life”**

## **FOREWARD**

This JCS Curriculum Guide is designed as an informative publication to help counselors, teachers, parents, and students plan individualized pathways for students' high school academic careers. This guide contains critical information from the Alabama State Department of Education on the requirements to earn an Alabama high school diploma, course descriptions, and planning tools.

Students' four-year high school plans should be reassessed yearly to modify course plans based on students' accomplishments and goals. Careful attention should be focused on diploma and endorsement requirements.

“Preparing all students for a successful life”

Mr. Mike Newell, Superintendent

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## Alabama Graduation Requirements

### ALABAMA HIGH SCHOOL GRADUATION REQUIREMENTS

Clarified April 2018

<i>(Alabama Administrative Code 290-3-1-02(8) and (8)(a))</i>			
Effective for students in the ninth grade in the 2013-2014 school year, all students shall earn the required credits for the Alabama High School Diploma. A local board of education may establish requirements for receipt of diplomas and endorsements, but any diploma or endorsement shall include the requirements of the Alabama High School Diploma. The Alabama courses of study shall be followed in determining minimum required content in each discipline.			
COURSE REQUIREMENTS			
<b>English Language Arts</b>	<b>Four credits to include:</b>	<b>Credits</b>	
	English 9	1	
	English 10	1	
	English 11	1	
	English 12	1	
English Language Arts-credit eligible options may include: Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.			
<b>English Language Arts Total Credits</b>		<b>4</b>	
<b>Mathematics</b>	<b>Three credits to include:</b>	<b>Credits</b>	
	Algebra I or its equivalent/substitute	1	
	Geometry or its equivalent/substitute	1	
	Algebra II w/Trigonometry or Algebra II, or its equivalent/substitute	1	
	Mathematics-credit eligible options may include: <i>Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i>		
	<b>One credit from:</b>		
Alabama Course of Study: <i>Mathematics</i> or mathematics-credit eligible courses from <i>Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i>		1	
<b>Mathematics Total Credits</b>		<b>4</b>	
<b>Science</b>	<b>Two credits to include:</b>	<b>Credits</b>	
	Biology	1	
	A physical science (Chemistry, Physics, Physical Science)	1	
	Science-credit eligible options may include: <i>Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i>		
	<b>Two credits from:</b>		
Alabama Course of Study: <i>Science</i> or science-credit eligible courses from <i>Career and Technical Education/Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i>		2	
<b>Science Total Credits</b>		<b>4</b>	
<b>Social Studies*</b>	<b>Four credits to include:</b>	<b>Credits</b>	
	World History	1	
	United States History I	1	
	United States History II	1	
	United States Government	0.5	
	Economics	0.5	
Social Studies-credit eligible options may include: <i>Advanced Placement/International Baccalaureate/postsecondary courses/SDE-approved courses.</i>			
<b>Civics Test Requirement</b>	Students are required to pass the <i>Civics Test</i> in the United States Government class effective the 2018-2019 school year.		
<b>Social Studies Total Credits</b>		<b>4</b>	
<b>Physical Education</b>	Lifelong Individualized Fitness Education (LIFE) or one JROTC Credit	1	
<b>Health Education</b>		0.5	
<b>Career Preparedness</b>		1	
<b>Career and Technical Education (CTE) and/or Foreign Language and/or Arts Education</b>		3	
<b>Electives</b>		2.5	
Distance Learning: Effective for students entering the ninth grade in the 2009-2010 school year, Alabama students will be required to complete one online/technology enhanced course or experience prior to graduation. Exceptions through Individualized Education Plans will be allowed.			
<b>Total Credits</b>		<b>24</b>	

**Jacksonville City Schools - High School Diploma Endorsements**

Endorsement	Course Requirements
Career Technical Education Endorsement	Alabama High School Diploma Requirements listed above PLUS:
	Electives must include a minimum of three units of Career Technical Education classes with at least two being in a single program area.
Advanced Academic Endorsement	Alabama High School Diploma Requirements listed above PLUS:
	Electives must include two consecutive years of the same Foreign Language
Advanced College Preparatory Endorsement	Alabama High School Diploma Requirements listed above PLUS:
	Math must include Algebra I (or its equivalent in Accelerated 7th and Accelerated 8th), Honors Geometry, Honors Algebra II with Statistics, and Pre-Calculus and/or a dual enrollment course MS 112 or higher.
	Science must include CP Biology, a Physical Science, and two of the following: CP Chemistry, Physics, or any AP Science offered
	Social Studies credit in AP United States History is <i>strongly encouraged</i>
	Electives must include two consecutive years of the same Foreign Language
	A minimum of two Advanced Placement (AP) units are required for this endorsement
Honors Endorsement	Advanced College Preparatory Endorsement Requirements above PLUS:
	Official core GPA of 90% or high in the core courses of English, Math, Science, and Social Studies in grades 9, 10, 11, and the first semester of 12.
	Math must include AP Calculus or AP Computer Science Principles (prerequisite Algebra I) or AP Statistics (must be taken on ACCESS; prerequisite Algebra I & Algebra II)
	Failure of any course grades 9-12 prevents a student from receiving the Honors Endorsement

## JHS Course Descriptions

### ENGLISH LANGUAGE ARTS DEPARTMENT

#### ***7th Grade English***

This course is an integrated program of reading and writing skills, activities, and applications designed to develop clear and effective written and oral communication along with a life-long appreciation of literature.

#### ***7th Grade Honors English***

This course is an integrated program of reading and writing skills, activities, and applications designed to develop clear and effective written and oral communication and a life-long appreciation of literature. Instruction at the honors level emphasizes the appreciation and analysis of challenging literature and activities requiring high levels of critical and creative thinking. *Recommendation for enrollment made by school.*

#### ***8th Grade English***

In this course, students will study literature, writing, speaking and listening, vocabulary, and grammar. Students will read a variety of literary genres such as short stories, dramas, nonfiction, novels, and poetry. Students will write formally, using the Modern Language Association (MLA) format, in argumentative, informational or explanatory, research, and narrative essays. Students will actively engage in collaborative discussions to focus on critical thinking and literary analysis. Students will demonstrate the command of the conventions of Standard English grammar and usage when speaking and writing.

#### ***8th Grade Honors English***

In this course, students will study literature, writing, speaking and listening, vocabulary, and grammar and will lay a foundation for high school advanced English, as well as career and college preparatory courses. This course will require students to adhere to a higher level of performance in reading and writing. Students will read a variety of literary genres such as short stories, dramas, nonfiction, novels, and poetry. Students will write formally, using the Modern Language Association (MLA) format, in argumentative, informational or explanatory, research, and narrative essays. Students will actively engage in collaborative discussions to focus on critical thinking and literary analysis. Students will demonstrate the command of the conventions of Standard English grammar and usage when speaking and writing. *Recommendation for enrollment made by school.*

#### ***9th Grade CP English***

This course is a comprehensive English course of literature, composition, and language,

including listening and speaking. The study of literature includes reading, discussing, analyzing, and responding to a wide variety of literary forms including short stories, nonfiction, poetry, drama, novels, the epic, and spoken and visual texts. The course offers supportive reading and writing strategies for a variety of purposes. This course focuses on the writing process through response to literature, creative writing, and connections to real-life situations and problem-solving while becoming familiar with literary elements and techniques. The study of language arts targets usage, mechanics, and strategies for vocabulary development integrated into literature and composition components. In addition, the course will teach grammatical concepts and applications. Vocabulary work is derived from reading selections and from lists that prepare students for standardized tests.

### ***9th Grade Advanced CP English***

This course teaches the same standards as the basic ninth grade CP English course, only with more rigor. Students enrolled in Advanced CP English can expect higher rigor in course assignments.

### ***9th Grade Honors English***

This course teaches the same standards as CP and Advanced CP English, only with more rigor. Students enrolled in Honors English will more than likely go on to take Honors English in tenth grade and college level English courses in eleventh and twelfth grade. This honors course prepares students for those advanced English course options.

### ***10th Grade CP English***

During this course, students will analyze and evaluate early American literature until the start of the Civil War. Participants gain understanding in literary devices, figurative language, and rhetorical devices and analysis. Selections for this course include early Native American literature, historical documents, Puritan literature, and American Romantic short stories and poetry.

### ***10th Grade Advanced CP English***

This course teaches the same standards as the basic tenth grade CP English course, only with more rigor. Students enrolled in Advanced CP English can expect higher rigor in course assignments.

### ***10th Grade Honors English***

Prerequisites: Honors 9th Grade English and a teacher recommendation

This course follows the Alabama Course of Study for the 10th grade and teaches the same standards as tenth grade CP and Advanced CP courses while also preparing students for the rigor and advanced pace of AP Language and Composition in 11th grade. Students are expected to

read independently and to begin writing expository and argumentative essays both over an extended period of time and during a timed setting.

### ***11th Grade CP English***

In this course students will focus on critical thinking and will engage in specific reading, writing, and communication skills that will prepare them for career and college-level experiences. Students will also learn to evaluate critically what they read and write: they will explore representative works of American literature and respond to readings through discussion and writing. Emphasis will be placed on the writing process; modes include argument essays, persuasive essays, comparison/contrast compositions, literary analyses and the research process.

### ***11th Grade Advanced CP English***

This course teaches the same standards as the basic eleventh grade CP English course, only with more rigor. Students enrolled in Advanced CP English can expect higher rigor in course assignments.

### ***12th CP English***

In this course students will analyze and evaluate British literature to gain insight into English language cultures. Participants will understand literary devices, techniques, and analyses. Selections for this course include epic poetry, Romantic and Renaissance poetry, short stories, and novels. This course prepares both students who wish to pursue a college degree as well as students planning to enter a career field through writing and revising summaries, expository essays, literary analysis essays, and literary argumentative research essays.

### ***12th Advanced CP English***

This course teaches the same standards as the basic twelfth grade CP English course, only with more rigor. Students enrolled in Advanced CP English can expect higher rigor in course assignments.

### ***AP English Language and Composition***

Prerequisites: English10 (preferably honors 10) and teacher recommendation

This is a college-level course designed by the College Board that focuses primarily on writing critical and analytical essays in various modes. As this is an advanced-level course, performance expectations are high, and the workload is challenging. The course requires extensive reading (primarily nonfiction), research (group and independent), and writing. The course helps students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers. Students will become aware of the interaction among a writer's purpose, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Students will be required to attend exam study sessions, participate in a mock exam, and take the advanced placement exam in May. There is a fee for the course to cover the cost of the exam. Students who earn a passing AP exam score may earn college credit.



***AP Literature***

Prerequisites: AP Language and Composition, teacher recommendation

AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. Students are expected to read independently and should expect to read a variety of texts ranging from long fiction, short story, novella, drama, and poetry. As part of this analysis process, students will also be required to write a selection of timed poetry and prose analyses, as well as literary argumentative analyses on selected literary works. Students will be required to attend Saturday study sessions, participate in the AP Literature mock exam, and take the AP Literature exam in May. There is a fee for the course to cover the cost of the exam. Students who earn a passing AP exam score may earn college credit.

**MATH DEPARTMENT*****7th Grade Math***

This course focuses on Proportional Reasoning, Number Systems and Operations, Algebra and Functions, Probability and Statistics, and Geometry/Measurement. A heavy concentration is placed on the four operations of integers and applying properties of operations to linear expressions and equations.

***7th Grade Accelerated Math***

This accelerated pathway is designed for students who show motivation and interest in mathematics. This course is faster paced and teaches beyond seventh grade math standards. Students who successfully complete this course may proceed on the accelerated pathway to enroll in eighth grade accelerated math. Middle school students who complete the 7th/8th accelerated math pathway also meet the requirement for Algebra I and may proceed to upper level 9-12 math courses.

***8th Grade Math***

In this course, math content is organized into four areas: Number Systems and Operations; Algebra and Functions; Data Analysis, Statistics, and Probability; and Geometry and Measurement. Within these four content areas, the big concepts instructed include constructing and reasoning about expressions and equations (including modeling an association in bivariate data with a linear equation), and solving linear equations and systems of linear equations. Also, students will describe the concept of a function, use functions to interpret quantitative relationships, analyze two- and three-dimensional figures, and apply the Pythagorean Theorem.

***8th Grade Accelerated Math***

Prerequisites: Math 7 Accelerated and teacher recommendation

This course is the second part of the middle school accelerated math pathway. Students who successfully complete this course will have satisfied the requirement for Algebra I and math advance to upper-level math courses in 9-12. In this course, math content is organized into four areas: Number Systems and Operations; Algebra and Functions; Data Analysis, Statistics, and Probability; and Geometry and Measurement. The algebra focus for this course is quadratic relationships.

### ***Algebra I with Probability***

This course provides students with mathematical experiences that are useful in everyday life. The reasoning and problem-solving skills used in Algebra I may be applied to life situations beyond the classroom. Algebra I is the cornerstone of high school mathematics. Every course beyond Algebra I requires the knowledge of these content standards. Therefore, it is of utmost importance that each standard be mastered. Algebra I builds on foundational content learned by students in Grades K-8 by expanding mathematics understanding to provide students with a strong mathematics education.

### ***Geometry with Data Analysis***

This course builds on previously learned concepts and increases students' knowledge of shapes and their properties. This knowledge helps develop visual and spatial sense and strong reasoning skills. The Geometry course requires students to make conjectures and to use reasoning to validate or negate these conjectures. The use of proofs and constructions is a valuable tool that enhances reasoning skills and enables students to better understand more complex mathematical concepts. Technology should be used to enhance students' mathematical experience, not replace their reasoning abilities.

### ***Honors Geometry with Data Analysis***

This course teaches the same standards as the basic Geometry with Data Analysis course, only with more rigor. Students enrolled in Honors Geometry will more than likely go on to take Honors Algebra II with Statistics, Precalculus, and then college-level math course(s). This honors course prepares students for those advanced math options.

### ***Algebra II with Statistics***

This a course designed to extend students' knowledge of Algebra I with additional algebraic and statistical content. Mastery of the content standards for this course is necessary for student success in higher-level mathematics. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension. Algebra II is required for all students pursuing the Alabama High School Diploma. Prerequisites for this course are Algebra I and Geometry.

### ***Honors Algebra II with Statistics***

This course teaches the same standards as the basic Algebra II with Statistics course, only with more rigor. Students enrolled in Honors Algebra II with Statistics will more than likely go on to

take Precalculus and college-level math courses. This honors course prepares students for those advanced math options.

### ***Precalculus***

This course is designed for students who have successfully completed the Algebra II with Statistics course. This course is considered to be a prerequisite for success in Calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Pre-Calculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions.

### ***Algebra with Finance***

This course is only available to seniors who are earning their fourth high school math credit. This course helps students to develop a strong foundation in logical thinking and problem solving that will enable students to make informed decisions regarding matters of money and finance in their daily lives. Topics covered will include discretionary expenses, banking services, consumer credit, automobile ownership, employment basics, income taxes, independent living, the stock market, modeling a business, planning for retirement, and preparing a budget.

### ***AP Computer Science Principles***

Prerequisite: PreCalculus or MS 112

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. Students will incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students who earn a passing AP exam score may earn college credit.

### ***AP Calculus***

Prerequisite: PreCalculus

This is a college-level course designed by the College Board that focuses primarily on 3 main concepts of Calculus. As this is an advanced-level course, performance expectations are high, and the workload is challenging. Students will learn concepts of limits, derivatives and integration. This course is equivalent to college Calculus I.

Students will be required to attend exam study sessions, participate in a mock exam, and take the advanced placement exam in May. There is a fee for the course to cover the cost of the exam.

## SCIENCE DEPARTMENT

### ***7th Grade Science***

Life Science is a survey course that prepares seventh graders for in-depth high school courses in Biology and Anatomy. This course includes the study of molecules, organisms, ecosystems, heredity, patterns of change in populations of organisms over a long period of time, and the relationship between natural selection and the reproduction and survival of populations.

### ***8th Grade Science***

This is a survey course that prepares eighth graders for in-depth high school courses in Physics and Chemistry. It provides for the development and understanding of the basic concepts of physical sciences as we experience them in our lives.

### ***Biology***

Biology is a required, inquiry-based course focused on providing all high school students with foundational life science content about the patterns, processes, and interactions among living organisms. The course emphasis is on increased sophistication and rigor of a limited number of core ideas rather than on memorizing a breadth of factual content. Students use prior and new knowledge to build conceptual understandings based on evidence from their own and others' investigations. Students use their own learning and experiences to support claims and engage in argument from evidence. The course standards provide a depth of conceptual understanding to adequately prepare students for college, career, and citizenship with an appropriate level of scientific literacy.

### ***Advanced Biology***

Advanced Biology teaches the same standards as the basic Biology course, only with more rigor. Students enrolled in Advanced Biology will more than likely go on to take higher level science courses. This course, in particular, helps prepare students interested in taking AP Biology.

### ***Physical Science***

Physical Science is an inquiry-based approach to studying the natural world in chemical and physical applications. Students will collect and analyze data in a cooperative group setting.

### ***Chemistry***

This is a survey course of chemistry designed to prepare the student for college and/or AP Chemistry courses. Topics include: Lab techniques, atomic structure, periodicity, bonding,

nomenclature, reactions, stoichiometry, states of matter, solutions, kinetics, thermodynamics, equilibrium, acid-base chemistry, electrochemistry, and organic chemistry.

### ***Anatomy***

This is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. Students will also learn the mechanisms for maintaining homeostasis within the human body.

### ***Environmental Science***

This course studies environmental systems, how they are connected and benefit from each other, and how small or large scale changes can affect them. This course will provide students with the scientific principles, concepts, and methodologies to understand these interrelationships, to identify and analyze natural and human-made environmental problems, and to evaluate the risks associated with these problems while examining alternative solutions for resolving and/or preventing them.

### ***Physics***

This is a survey course of algebra based physics designed to prepare the student for college physics courses. Topics include: Newton's Laws of Motion, Kinematics, Circular Motion, Rotational Motion, Thermodynamics, Waves, Sound, Optics, Circuits, and Magnetism.

### ***AP Biology***

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations which provide students with opportunities to apply the science practices.

### ***AP Chemistry***

This is a college-level course designed by the College Board to prepare students for the AP exam and/or college chemistry courses. Topics include: Stoichiometry, electrochemistry, kinetics, thermodynamics, equilibrium, acid-base chemistry, atomic structure, periodicity, bonding, solutions, states of matter, gases, and lab techniques.

## **HISTORY DEPARTMENT**

### ***7th Grade Social Studies***

In this course, students will learn about key political, social, and economic events from the past

and their connection to the present. Units of study include: Influences of ancient Greece, the Magna Carta, and Mayflower Compact; Compare the government of U.S. with other governments; Describe characteristics of state and local governments; Duties and functions of the branches of government; Economic systems for production, distribution, and consumption; Individual and Civil responsibilities of citizens; Economics; and Geography.

### ***8th Grade Social Studies***

This course is designed to show progression from a hunting and gathering society to stationary farming and, eventually, the development of the first civilizations. Students will chronologically track the development of tools and technologies that improve the livelihood of various peoples of the world. Furthermore, students will compare and contrast various religions and cultures of these peoples. Examples include the ability to tame fire, early irrigation systems, comparing early Greeks to early Romans, multiple gods versus the monotheistic idea, and the rise of dominant civilizations.

### ***9th Grade World History***

This World History course begins with the Renaissance Era and progresses through modern day. Most often, modern day refers to just after the Cold War era. Within the time frame of this course, students will learn of the Age of Exploration, Scientific Revolution, Ottoman Empire, French Revolution, the causes for the World Wars, and the wars themselves.

### ***10th Grade U.S. History***

This a course to develop an understanding of Early American History and its impact on the creation and growth of the United States of America from early colonial times through the Reconstruction period following the American Civil War. Students will be provided rigorous practices that help them learn about our country's fight for Independence, the creation and development of our government, and the causes and effects of the American Civil War.

### ***11th Grade U.S. History***

During this course students will understand key political, social, and economic events from the past and their connection to the present. Units of study include: Becoming a World Power; The Progressive Movement; World War I; The Jazz Age; The Great Depression; World War II; The Cold War; The Civil Rights Movement; The New Frontier; The Great Society; The Vietnam War; and The Resurgence of Conservatism.

### ***12th Grade U.S. Government***

This course builds on the foundation established through tenth and eleventh grade American History courses. Course objectives focus on the origins, structure, and functions of government across all levels in the United States.

### ***12th Grade Economics***

This course builds on the historical background and current application of economic concepts, methodology and terminology. Students are expected to problem solve to demonstrate an

understanding of the concepts learned. The American economy is emphasized, with a study of comparative systems included. This course provides students with the tools to understand and make informed decisions as participants within our economy.

### ***AP U.S. History***

This is a college-level course that instructs the Pre-Columbian Era to modern times. Critical reading skills of both primary and secondary documents, as well as analyses of charts, graphs, and political cartoons are developed. The course is writing intensive, and a student may earn college credit with a passing AP exam score.

## **CAREER TECHNICAL DEPARTMENT**

Students are recognized as program completers for successfully completing three courses within a program. Students can earn the CTE diploma endorsement by completing three CTE courses, two of which must be from a single program.

### ***Co-Op***

Cooperative Education is an elective course designed to provide students in 11th or 12th grade with educational opportunities that typically cannot be replicated in the classroom. The goal is to connect information learned in the classroom with skills obtained in an occupational setting. Students in this class will combine classroom experiences with either paid or volunteer work experiences.

## **Business Management and Marketing Program**

### ***Business Technology Applications***

This course emphasizes the development of skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies and appropriate business ethics and communication. Students will use computers to build a strong foundation that will enable them to become productive workers and citizens.

### ***Advanced Business Technology Applications***

Advanced Business Technology Applications provides students with project-based applications of concepts learned in Business Technology Applications. Personal computing and business skills are integrated throughout the course as students use a variety of software applications to produce and prepare documents for publication and learn how to select appropriate software for generating information. This course is offered based on enrollment needs. Check with your counselor about offerings for this course.

### ***Multimedia Design***

This course is designed to provide a creative, hands-on environment in which students

collaborate to produce a variety of digital media projects. Students use various hardware, software, and web-based tools to learn skills involving graphic design, digital photography, and web design. Additionally, the standards are designed for students to engage in critical thinking skills and practice appropriate behavior in the use of technology. Emphasis is placed on exploring and demonstrating business-related skills such as teamwork, interpersonal skills, and ethics while completing their projects.

### ***Multimedia Publications***

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

### ***Sales and Promotion Planning/Marketing***

This course provides instruction in the basic principles of selling and marketing concepts. The course focuses on the ways that marketing satisfies consumer and business wants and needs for products and services and utilizing promotional knowledge and skills for communicating information to achieve a desired outcome. In addition, this course addresses human relations, leadership, organizational and communication skills that are important for success in business.

### **Family and Consumer Science/Fashion Program**

#### ***Entrepreneurship in Family and Consumer Sciences***

Family and Consumer Sciences 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; 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, and technology and careers.

#### ***Fashion***

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

#### ***Event Planning***

In Event Planning, 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 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 event. 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.

### **Agriscience/Industrial Agriculture Program**

#### ***Fundamentals of Agriscience***

This is a course that provides students with a general overview of the Agriculture, Food and Natural Resources cluster. Students are involved in classroom and laboratory activities. Topics included in this course include career opportunities, safety, technology applications, agribusiness leadership, environmental science, soil science, plant science, forestry, animal science, aquaculture, wildlife science, pest management, woodworking, metalworking, small engines, electrical wiring, and plumbing.

#### ***Agricultural Welding Processes***

This is a course that provides students with opportunities to examine safety and technical information in metal fabrication and to participate in hands-on activities in the laboratory. Topics include career opportunities, safety, identification and selection, metal preparation and finishing, metal cutting, weld quality, and shielded metal arc welding (SMAW).

#### ***Construction Framing***

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

#### ***Construction Finishing***

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

### **Health Science Program**

#### ***Foundations of Health Science***

Foundations of Health Science 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. Foundations of Health Science can be taken by students with an interest in a career in the medical field in 9th grade as an alternative to

the required one semester Health credit.

### ***Therapeutic Services***

Therapeutic Services introduces students to occupations and functions in the therapeutic services pathways. Careers in this area include nursing, medicine, physical therapy, surgical technology, respiratory therapy, emergency medical technician, and more.

### ***Sports Medicine Fundamentals***

Sports Medicine teaches fundamental skills to include therapeutic exercise regimens within the field of sports medicine. Students will explore the study of sports medicine and the relationship to risk management and injury prevention. Students will demonstrate an understanding of anatomy and physiology, with emphasis on the musculoskeletal system. The importance of health promotion, wellness, injury and disease prevention will be emphasized. Students will examine sports medicine facilities, policies, procedures, and protocols utilized in patient care.

### **Emergency and Fire Management Service Program**

This program is by application and interview only.

Students must have independent transportation for off-campus classes.

### ***Introduction to Fire Science***

This is a one-credit course that provides students with competencies related to a cluster of public service job preparatory programs and helps students develop knowledge and skills necessary for success and advancement in a specialized public service job preparatory program. Students study possible careers, employability skills, leadership, basic first aid, blood-borne pathogens, fire management services, legal services, and law enforcement services.

### ***Firefighting***

Firefighting is a one-credit course designed to provide students with information regarding career possibilities in fire fighting, including instruction in techniques of fire fighting. Topics include career opportunities, safety, fire prevention and control, hazardous materials, sprinkler systems, first responder, and public relations.

## **ELECTIVES**

### ***\*Required Electives***

### ***7th and 8th Grade Gifted***

Students in the seventh and eighth grades identified as gifted and talented learners are offered the gifted course as one of their electives. This course will be attended every day of the week for one class period. This course will provide additional rigor and challenge and aims to engage students in advanced-level thinking, questioning, and research. Best practices in gifted education are used

to incorporate abstract and complex thinking; higher level processes and product development; and interdisciplinary concepts, issues, and themes. Units are designed using concept-based learning and the parallel curriculum model. Also, students' interest and the learning needs of gifted learners are addressed within the course.

### ***AP Seminar***

AP Seminar is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. To accommodate the wide range of student topics, typical college course equivalents include interdisciplinary or general elective courses. This is the first course in the dual course AP Scholar series.

### ***AP Research***

Prerequisite: AP Seminar course

AP Research is an interdisciplinary course that encourages students to demonstrate critical thinking and academic research skills on a topic of the student's choosing. This course builds on the learning from AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students will design, plan, and conduct a year-long research-based investigation to address a research question. Students will gain skills in conducting independent research, analyzing sources and evidence, applying context and perspective, writing a college-level academic paper, and presenting research findings to an audience.

### ***AP Computer Science Principles***

Prerequisite: PreCalculus or MS 112

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. Students will incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Students who earn a passing AP exam score may earn college credit.

### ***Band***

The Jacksonville High School Band is a performing ensemble, participating in school, community, and Alabama Bandmaster Association events. We offer a variety of ensembles: pep band, concert band, and jazz band. In addition to our seasonal ensembles, we also participate in State Music Performance Assessment, formerly known as "State Concert Band Festival". In

addition to our JHS school ensembles, students are allowed to participate in individual ABA events, such as solo and ensemble, district and state honor bands, collegiate honor bands, and even national events.

### ***\*Career Preparedness A***

Career Preparedness A is a one-semester course for students in the ninth grade focusing on three integrated areas of instruction - academic planning and career development, financial literacy, and technology. Students enrolled in this course will explore essential questions. “What are the career options that fit my interests and aptitudes?” “What are the steps I need to take to achieve my goals?” The culminating products from this class will include a four-year education plan and an online career portfolio.

### ***\*Career Preparedness B***

Career Preparedness B is a one-semester course for students in the eleventh grade focusing on three integrated areas of instruction - academic planning and career development, financial literacy, and technology. This course builds on the foundational concepts learned in Career Preparedness A. Course content ranges from college and career preparation to computer literacy skills to ways to manage personal finances and reduce personal risk. Students enrolled in this course will focus on exploring career planning.

### ***Cheer***

This course is for current Varsity Cheerleaders. Students can expect to learn intermediate to advanced skills of cheer technique through warm ups, tumbling, and partnering/group stunts. Students will also learn anatomical terms and explore various cheer skills. This course will introduce basic skills and techniques of cheerleading such as partner stunts, incorporation of pyramids, safety techniques and jumps. By participating as a team, individuals learn how to cooperate with other team members in solving problems and in motivating a crowd. Performing at athletic events permits the individuals an opportunity to exhibit responsibility as well as to build self-esteem.

### ***Choir***

Choir is a repetitive, elective course students can enroll in each year. This course offers many opportunities for students to sing in both school and general public settings. Students can earn individual honors and sing with students from other schools, not only in our county, but across the state. Participation is open to anyone who is interested in singing and wants to offer encouragement to others through music. Class participants work together to sing both difficult and fun pieces of music. This is a great course for students who are interested in joining the JHS Show Choir in the future.

### ***Computer Science Discoveries***

Computer Science Discoveries is a middle school introduction computer science course. Students will use a combination of math and science skills to work through the A+ curriculum for this course. This foundational level introduction will prepare students who are interested in taking other computer science related courses like Robotics or AP Computer Science in the future. This

course will also help to prepare students pursuing a career in the field of technology.

### ***Debate***

This elective course supports students as they develop and enhance their public speaking skills. Students learn about research, analysis, and preparing formal debates. Hands-on practice and speaking opportunities help to prepare students for both college and career related activities.

### ***Driver's Education***

Driver and Traffic Safety Education is offered as an elective course primarily for tenth-grade students who are fifteen years of age or older and who are eligible to obtain an Alabama Learner License. The goal of the Driver and Traffic Safety Education program is to learn the fundamentals of safe and responsible driving within a variety of environments. This goal is attained through the required minimum 30 hours of classroom instruction. Actual hands-on or performance-based driving experience in a vehicle under the supervision of a certified driver education teacher is also required. Ideally, students complete the classroom phase before beginning the on-street driving phase. The classroom phase includes, but is not limited to, content regarding highway license requirements, traffic laws, responsible ownership, driving procedures and maneuvers, factors related to youthful drivers, physical and mental impairments, other highway users, driving environments, and boating safety. Upon completion of the classroom phase, student drivers understand their responsibilities for occupants of their vehicles as well as responsibilities regarding other users of the highway transportation system.

### ***Focus***

FOCUS began at Jacksonville City Schools in 1997 and is now in all 67 counties in Alabama. FOCUS can be taken as an extracurricular or elective course. Students will deepen their knowledge of health information. The course goal is to empower students to be actively involved in reducing the incidence of risky behaviors among their peers such as vaping, e-cigarettes, tobacco, use of prescription and illegal drugs, alcohol, sexually transmitted diseases, teen pregnancy, bullying, suicide, and cyberbullying.

### ***Golden Eagle Media***

In this general elective course, students will have opportunities for discoveries through four artistic processes: creating, producing, responding, and connecting. Each of these processes further offers enduring understandings and essential questions that relate to each of the standards developed within these processes. The eighth grade student is preparing for high school, strengthening skills learned in earlier years and learning new complex skills. The students are eager to explore and experiment with new media and processes. They communicate independent thoughts and explain the process orally and in writing. Students are encouraged to use their

imaginations to help build confidence and abilities. Students enrolled in this course will be required to attend and cover some out of school events to represent Jacksonville High School Golden Eagle Media.

### ***\*Health***

Health Education is addressed in a way that allows students to obtain and interpret basic health information and apply it effectively to their daily lives as they deal with such issues as bullying, substance abuse, mental abuse, and sexual activity. Students are encouraged to become health literate and self-directed learners while establishing a basic understanding of health promotion and disease prevention.

### ***\*Kinesiology (9th - 12th, one year required)***

Beginning Kinesiology is a stand-alone course which encompasses the basic concept of athletics and fitness, and introduces students to basic physiological, psychological, sociological and mechanical principles of human movement. Students will be empowered to make choices, meet challenges, and develop positive behaviors, fitness wellness, and movement for a lifetime.

### ***Middle School Computer Science Principles***

This course supports students becoming independent thinkers while developing their global online presence. Students must be creators, not just consumers, who will effectively utilize digital tools, understand technology's impact on a global society, and integrate principles of computer science. This course expands upon the digital literacies knowledge students learn in K-6 to help prepare them for a more advanced computer science course at the high school level.

### ***Peer Helpers***

This elective course is offered to students who are selected after a screening process, which includes application, faculty recommendation, review of discipline records and grades, as well as interviews. Serving under the umbrella of FOCUS, a prevention program for adolescent-risk behaviors, the JHS Peer Helping program prepares students with knowledge, skills, counseling techniques, and referral techniques so they can help peers in our Jacksonville High School family. The course covers active listening, effective questioning, empathetic responses, healthy coping, ethical reporting, self esteem, stress management, health awareness campaigns and service projects, techniques for supporting students needing academic support, mentoring relationships and techniques, and strengthening knowledge of tobacco, alcohol, marijuana, illegal drugs, prescription drug abuse, teen pregnancy, sexually transmitted infections including HIV/AIDS, suicide awareness, grief, and types of abuse. The course goal is to make a difference by teens empowering teens to make healthy choices.

### ***\*Physical Education (7th and 8th)***

Physical Education is an important part of the total educational program. Students participate in physical activities that allow them to develop an understanding of the physical abilities of

themselves and others. Students become aware of the social benefits of physical activity through participation. The mental and emotional benefits of physical activity become evident when an active role in physical activity is encouraged. All students have the need and right to enjoy the benefits of physical activity. Students will benefit through a creative and well-rounded physical education program. Students engage in a different learning unit every 2 weeks (Badminton, Pickleball, Dance, etc..) that are outlined in the Alabama curriculum guide.

### ***Robotics Applications***

The Robotics Applications course allows students to design, construct, program, and apply a working robot to the completion of a task or problem solving activity. Students enrolled in this course will prepare projects to compete in local and state level competitions.

### ***Spanish I***

Spanish I is a foundation course about the Spanish language and culture. Skills included in this course are: listening, speaking, reading, writing, and viewing. At the end of this course, students will be able to express themselves and engage in simple conversation in Spanish within the limits of their knowledge of vocabulary and structure. Students will engage in oral and written conversation, provide and obtain information, understand and interpret written and spoken language, connect with other disciplines like Geography, History, and arts to study the culture of Spanish-speaking countries and understand the people who use Spanish as their primary language.

### ***Spanish II***

In Spanish II, students build and acquire additional vocabulary with the goal of engaging in the authentic communication tasks needed when traveling in Spanish-speaking countries. Students will present information in oral and written form in a variety of formats. Students will continue to study the geography and culture of Spanish-speaking countries in order to build on their understanding of the people who use Spanish as their primary language.

### ***Spanish III***

This course helps students to develop their proficiency level. Students will expand all four communication skills: listening, speaking, reading, and writing. Students will understand and engage in short conversations in the real world situations. During the course, students will use authentic texts and resources to simulate the needs of the real world. Students' awareness and knowledge of cultural perspectives and practices will be expanded. Students will be able to implement new vocabulary and phrases in real situations. The course goal is for students to communicate in Spanish and understand the differences between practices, products, and perspectives of the cultural Spanish-speaking environment.

***Strength and Conditioning***

The Strength and Conditioning course is an elective for athletes on current Varsity teams to weight train, condition, and work on individual skills.

***Theatre I***

Theatre I is a beginning course that focuses on basic foundations and techniques in acting, improvisation, character analysis, and movement. Each student will work to master studies in Theatre with broad preparation in liberal arts and humanities. Students will become familiar with basic acting techniques, theatre history, dance, theatrical design, and theatre production. Although this class fosters individuality, it is the climate of teamwork that challenges students.

***Theatre II***

Theatre II is an intermediate course that is a continuation of Theatre I. During this course, actors work on two-person scenes, group scenes, and monologues. The goal of this class focuses on the ongoing investigation and discovery of scenes that give students the skills necessary to participate in productions. The goal is not to “perfect” a scene and discover a single truth or meaning within a scene, but rather to engage the text anew with every performance. In this course, students are prepared to participate in theatrical performances on the Jacksonville High School stage and in any other performance venue they choose.

***Theatre III***

Theatre III is a performance-based course which leads students through the collaborative process of playmaking and advanced character development. Students receive conservatory-style training in acting, movement and voice. Students will showcase their growth in a full-scale production. Students learn to interpret plays dramatically, and analyze plot, genre and themes of dramatic literature. At the end of the semester, students will have the opportunity to audition for acting roles in a full-length play or musical production. This course requires some after school rehearsals and has mandatory, graded, performances for all class members. Students in this course are required to audition for extra-curricular productions. Students are prepared to participate in theatrical performances on the Jacksonville High School stage and in any other performance venue they choose.

***Yearbook***

This elective course is provided for the students who create the Jacksonville High School annual yearbook publication. Students focus on creation, design, and publishing while helping to carry on Jacksonville High School traditions.



### Advanced Placement Courses (AP)

Advanced Placement (AP) courses give students the opportunity to engage in college-level work while attending high school. Students can expect the rigor in these courses to match college courses. AP courses are designed by the College Board and count towards high school graduation credit. AP courses have a final assessment; there is a cost associated with this assessment. A qualifying score on this AP assessment can earn a student college credit, depending on the college/university. Qualifying AP scores can help students get ahead in college by earning college credit while still attending high school, allowing them to skip introductory level courses at some colleges, save time and money while attending college, and demonstrates to colleges that students can successfully complete college-level work.

Jacksonville High School offers a range of AP courses. If students are planning on taking AP courses, we recommend they focus on Honors and Accelerated courses in grades 7-10. In addition to these content-area AP courses, JCS offers an AP course in Computer Science and two AP courses under the AP Capstone Program.

English	Mathematics	Science	History	Computer Science	AP Capstone
AP Language and Composition	AP Calculus AP Statistics	AP Biology AP Chemistry	AP US History	AP Computer Science Principles	AP Seminar AP Research
AP Literature					

### Dual Enrollment Courses

Dual enrollment courses give students the opportunity to earn both high school and college credit simultaneously by enrolling in college courses. Students can enroll in dual enrollment courses

through the [Jacksonville State University Jump Start program](#). Parents and students can access their website to view current dual enrollment course offerings. JSU Jump Start tuition fees are applicable for student enrollment. Students should ensure they qualify for dual enrollment courses with their assigned Jacksonville High School counselor prior to registering with JSU. Students should be aware that grades earned in dual enrollment courses will remain on their college transcript beyond high school graduation.

### Career Technical Program Progressions

Cluster	Program/Pathway	Course Name	Prerequisite	Target Grade(s)
All CTE Programs	Work-Based Learning	Co-op	By Application and Completion of at least one full-year CTE course	11, 12
Agriculture, Food, and Natural Resources	Agriscience/Industrial Agriculture	PreAgriscience	None	8
		Fundamentals of Agriscience	None	9, 10
		Agricultural Welding Processes	Fundamentals of Agriscience	10, 11, 12
		Construction Finishing	Fundamentals of Agriscience	11, 12
		Construction Framing	Fundamentals of Agriscience	12
Business Management & Marketing	Business Management & Marketing	Career Preparedness A	None	9
		Career Preparedness B	Career Preparedness A	11
		Business Technology Applications	None	9, 10, 11
Business Management	Business Management	Multimedia Design	BTA	10, 11, 12
		Multimedia	MM Design	10, 11, 12

		Publications		
Marketing	Marketing	Sales & Promotion	BTA Preferred	10, 11, 12
Health Science	Health Science	Foundations of Health Science	None	9, 10, 11
		Therapeutic Services	Foundations of Health Science	10, 11, 12
		Sports Medicine Fundamentals	Foundations of Health Science	11, 12
Human Services	Family and Consumer Science/ Fashion	Family and Consumer Science	None	9, 10, 11
		Fashion	FACS	10, 11, 12
		Event Planning	FACS	11, 12
Law, Public Safety, Corrections, and Security	Emergency and Fire Management Services	Introduction to Fire Science	By Application - Both classes are taken concurrently	12
		Firefighting		

### Four-Year Planning Tool

Use the guidelines on page 3 to meet Diploma requirements.  
 Use the guidelines on page 4 to meet Endorsement requirements.

<b>9th Grade</b>			
English	Math	Science	History
Elective 1	Elective 2	Elective 3	Notes:
<b>10th Grade</b>			
English	Math	Science	History
Elective 1	Elective 2	Elective 3	Notes:
<b>11th Grade</b>			
English	Math	Science	History
Elective 1	Elective 2	Elective 3	Notes:
<b>12th Grade</b>			
English	Math	Science	History
Elective 1	Elective 2	Elective 3	Notes:

### Common Pathway Examples

#### English

1. 9th grade Honors English → 10th grade Honors English → 11th AP Language & Composition → 12th AP Literature
2. 9th grade Adv CP English → 10th Adv CP English → 11th Adv CP English → 12th Adv CP English

#### Math

1. (7th/8th Accelerated Math) → 9th Geometry → 10th Algebra II with Statistics → 11th Precalculus → AP Calculus or AP Statistics
2. (7th/8th Math) → 9th Geometry → 10th Algebra I with Probability → 11th Algebra II with Statistics → Precalculus or Algebra with Finance

#### ALSDE Recommended Math Pathway Options:

Middle School	Grade 9	Grade 10	Grade 11	Grade 12
Grade 7 / Grade 8	Geometry with Data Analysis	Algebra I with Probability	Algebra II with Statistics	<i>Specialized Course</i>
7 Acc / Grade 8				
7 Acc / Acc 8				
Grade 7 / Grade 8	Geometry with Data Analysis AND Algebra I with Probability	Algebra II with Statistics	<i>Specialized Course</i>	<i>Specialized Course</i>
7 Acc / Grade 8			PreCalculus	AP Calculus
7 Acc / Acc 8				
Accelerated 7 AND Accelerated 8	Geometry with Data Analysis	Algebra II with Statistics <i>(with successful completion of Accelerated 7 &amp; 8)</i>	<i>Specialized Course</i>	<i>Specialized Course</i>
			PreCalculus	AP Calculus

#### Science

1. 9th Advanced Biology → 10th Chemistry → 11th Physics → 12th AP Biology or AP Chemistry
2. 9th Biology → 10th Physical Science → 11th Anatomy → Environmental Science

**History**

1. 9th World History → 10th US History → 11th AP US History → 12th Government & Economics
2. 9th World History → 10th US History → 11th US History → 12th Government & Economics