

JASPER HIGH SCHOOL



2023-2024
Course Selection Guide

Jasper High School

1501 Viking Drive

Jasper, AL 35501

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<http://jhs.jasper.k12.al.us/>

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The goal of Jasper High School is to inspire students to achieve academic excellence and make positive contributions to our interconnected community and world. We will operate in the 2023-2024 year under a block schedule, offering each student eight classes. Each semester students will have four classes that meet every day and conclude at the end of the term. We will also have a year-long block which will be referred to as Viking block which will serve as an enrichment time. We hope you find this guide helpful as you select your classes for the 2023-2024 school year.

It is the official policy of the Jasper City School System that no person shall, on the grounds of race, color, disability, sex, religion, creed, national origin or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity.

Inquiries, complaints or concerns regarding compliance with federal regulations may be directed to Cathy Edgil, Director of Special Education, and Section 504 Coordinator, at 1501 Viking Drive, Jasper, AL 35501. Phone (205) 221-9277.

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GRADUATION REQUIREMENTS/DIPLOMA OPTIONS

There is only one diploma type in the State of Alabama. Students may also earn an Advanced Academic Endorsement or Honors Endorsement by meeting additional requirements as outlined below.

English: 4 credits

Four credits to include:

English 9, 10, 11, 12

Mathematics*: 4 credits

Four credits to include:

Geometry with Data Analysis
Algebra I with Probability
Algebra II with Statistics
Specialized math course

Science: 4 credits

Four credits to include:

Biology
A Physical Science (Physical Science, Physics or Chemistry)
Two additional science courses

Social Studies: 4 credits

Four credits to include:

World History	1
U.S. History	2
Government	½
Economics	½

Basic Kinesiology (JROTC or other approved substitute) 1 credit

Health Education ½ credit

Foreign Language, Arts Education and/or CTE 3 credits

Career Preparedness 1 credit (½ credit is embedded in economics at JHS)

Electives additional credits to equal 28

Total Required Units for Diploma 28 Credits

* A minimum of four mathcourses must be taken in grades 9 through 12.

Advanced Academic Endorsement

In order to earn an Advanced Academic Endorsement, a student must additionally take Pre-Calculus, Chemistry, an additional advanced level science, and two years of the same Foreign Language.

Honors Endorsement

In order to receive an Honors Endorsement, one must meet the Advanced Endorsement requirements and at least 10 credits must be on the honors, AP (core) or DE (core) level with four of those 10 being Advanced Placement (core) or Dual Enrollment (core).

DIPLOMA OPTIONS FOR STUDENTS WITH INDIVIDUALIZED EDUCATION PLANS

Diploma options for students with Individualized Education Plans are discussed and selected upon placement in the program and/or during annual IEP team meetings. Individual Case Managers may be contacted for specific information regarding diploma options.

STUDENT PROMOTION REQUIREMENTS

To Grade 10: A student will be classified as a 10th grader if he/she has earned a minimum of 6 credits.

To Grade 11: A student will be classified as an 11th grader if he/she has earned a minimum of 12 credits.

To Grade 12: A student will be classified as a 12th grader if he/she has earned a minimum of 20 credits.

Grade level status is based on the number of credits earned prior to the start of the school year. Students are assigned to advisory classes based on the criteria stated above.

COLLEGE AND CAREER READINESS INDICATORS

Alabama defines a student as college and career ready if the student earns at least one or a combination of the following six indicators:

- Benchmark score on any section of the ACT test
 - English-18
 - Math-22
 - Reading-22
 - Science-23
- Qualifying score on an AP exam
 - 3, 4, or 5
- Approved college transcript or postsecondary credit while in high school
- Benchmark level on the ACT WorkKeys. Assessment is taken during second semester of senior year
 - Silver or above
- Accepted for enlistment into the military
- Approved industry credential

GRADING SCALE

A = 90-100 B = 80-89 C = 70-79 D = 60-69 F= 0-59

Advanced Placement, honors and core dual enrollment courses have more rigorous requirements thus grades will be weighted by one additional quality point. The additional weight will be calculated in determining the students' standard weighted grade point average (GPA) but will not be reflected on the numeric grade.

ADVANCED PLACEMENT

The Advanced Placement (AP) program is a nationally recognized program sponsored by The College Board which enables students to complete college level studies while still in high school and to obtain college placement and/or credit on the basis of the rigorous Advanced Placement examinations. Each college and university has a score acceptance policy which determines whether AP credit is awarded. Participation in Advanced Placement courses are offered across the curriculum and students can pick and choose specific areas of interest in which to challenge themselves. All students planning to take an AP course should complete the Advanced Placement Agreement Form on page 28.

HONORS COURSES

Honors level courses are rigorous courses meant to challenge students in a particular area. The courses often require summer assignments and additional reading. They move through coursework at a faster pace and at a deeper level. Students should expect to commit more time for reading and homework than for an advanced level course.

ENROLLMENT IN COLLEGE COURSES WHILE IN HIGH SCHOOL

JHS students who desire to take college courses while in high school have two options available to them:

DUAL ENROLLMENT

Dual Enrollment (DE) is an agreement that exists between The Jasper City Schools and a college to provide students the opportunity to obtain both college and high school credit for a course taken through the college while in high school. Dual Enrollment courses are offered either online or in the traditional classroom setting at the college. Students eligible for dual enrollment are set forth by each college.

In order to enroll in a DE course, students must apply online to the college and complete an application for dual enrollment signed by their counselor; they also must request an official transcript through Parchment if required by the college. Students who select to take courses through dual enrollment are responsible for paying tuition directly to the college. Students may be required to meet placement requirements or take placement tests in order to enroll in some courses. Forms, applications, cost, and more information may be found on individual colleges' websites.

Dual enrollment begins a student's college transcript. The grade earned in the dual enrollment class is posted to both the high school transcript and the college transcript, and counts toward the high school GPA at both schools. Earned credit will be placed on the Jasper High School transcript after grades have been released from the college. Grades/credit will appear on the college transcript once proof of high school graduation has been provided by the student to the college. For credit to be awarded upon transfer from the awarding college to another college, the student must request that the transcript to be sent from said college to the transfer college. Common approved courses for dual enrollment (more can be found on the colleges' websites for dual enrollment):

COLLEGE COURSE	HIGH SCHOOL COURSE EQUIVALENT
ENG101-English 101	903201-English 11 or 903202-English 12
ENG102-English 102	903201-English 11 or 903202-English 12
HY201-United States History I	95004-US History to 1877
HY202-United States History II	95005-US History 1877-present
MTH115-Precalculus Algebra & Trigonometry	907603-Precalculus
MTH125-Calculus I	907605-Calculus
PSY200-General Psychology	910200-Psychology
ART100-Art Appreciation	900600-Art Appreciation
MUS101-Music Appreciation	908200-Music Appreciation
SPH107-Fundamentals of Speech Communication	911800-Public Speaking

Additional Career Tech courses may be taken for dual credit through the BSCC Sumiton Campus. See your counselor to discuss this option.

ACCELERATED HIGH SCHOOL STUDENT

Eligible high school students may enroll in college classes concurrently with high school classes and receive college credit while NOT receiving high school credit. These courses are not included on the JHS transcript nor calculated in the JHS GPA. Bevill State Community College admissions, course placement, and course sequencing are applicable. A student is eligible for admission when the student has completed the 10th grade and has a 2.5 grade point average.

In order to enroll in an accelerated course, students must complete an application for accelerated credit signed by their counselor, an online application to BSCC and request an official transcript through Parchment. Students who select to take courses through accelerated credit are responsible for paying tuition directly to BSCC. The student may enroll only in postsecondary courses for which high school prerequisites have been completed (e.g., a student may not take English Composition until all required high school English courses have been completed). Students may be required to meet placement requirements or take placement tests in order to enroll in some courses. Forms, applications, cost, and more information can be found on the individual college website or by clicking the link below:

[Bevill State Community College](#)

MIDYEAR COMPLETION OF HIGH SCHOOL

Students have the option of completing high school in December of their senior year. All regular graduation requirements must be met by December of the senior year including 28 credits and all required coursework. To qualify, students must have a minimum of 24 credits that meet the required coursework as well as attain a "College or Career Readiness Indicator" by the end of the student's junior year. Students participating in early completion are allowed to participate in their graduation ceremonies and may attend prom under conditions listed in the JHS Student Handbook. No student who completes in December will be allowed to participate in any other extracurricular activity or sport after December. Students interested in early completion should speak with their counselor prior to the end of their junior year to discuss the student's postsecondary plans and options. An interview with the principal and principal's approval is required.

ALABAMA HIGH SCHOOL ATHLETIC ASSOCIATION ELIGIBILITY

Requirements

(a) Students entering the 10th and 11th and 12th grades must have passed during the last two semesters in attendance and summer school, if applicable, at least six new Carnegie units with a minimum composite numerical average of 70 in those six units.

- i) Four core curriculum courses must be included in those units passed and averaged. (English, mathematics, science and social studies are core curriculum courses. Any combination of these courses is accepted.)
- ii) Any student that accumulates more than four units of core courses per year may earn less than the required four core courses during the next school year and be eligible as long as the student remains on track for graduation with his/her class.

(b) Students entering the 8th and 9th grades must have passed during the last two semesters in attendance and summer school, if applicable, at least five new subjects with a minimum composite numerical average of 70 in those five subjects and must have been promoted to the next grade.

Note: A new unit is one that has not been previously passed. A semester is half of a school year as defined by the local school system.

Guidelines

1. Eligibility may be determined before the start of each new school year or at the beginning of the second semester. A student that is academically eligible at the beginning of the school year remains eligible for the remainder of that school year so far as grades are concerned. A student that regains eligibility at the beginning of the second semester remains eligible for the remainder of the second semester so far as grades are concerned.
2. Students declared ineligible at the beginning of a school year may regain their eligibility at the end of the first semester (or trimester) by meeting the academic requirements listed above during their last two semesters (three trimesters or 2 trimesters and one 2017-2018 Course Description Guide 1/17/17 8 semester) in attendance and summer school, if applicable. The regained eligibility of any student may be determined any time after the end of the first semester (or trimester), but all course requirements used to determine the eligibility must be completed no later than the fifth day of the second semester (or second trimester). A student that regains eligibility at the end of the first trimester may not participate in interscholastic athletics until 88 days of the school year have been completed.
3. Only one unit (or subject) of physical education per year may be counted.
4. A maximum of two units (or subjects) earned in an approved summer school may be counted. If a unit (or subject) is repeated in summer school, the higher numerical grade for that unit (or subject) may be used to compute the composite grade average.
5. An accredited correspondence course may be accepted by a school system but must be completed and grades posted to transcript before Sept. 1 and may be one of the maximum two summer units counted for eligibility purposes.
6. Units earned through Credit Recovery may also be among the maximum two summer units counted and must be completed before Sept. 1. If Credit Recovery is used to make up Carnegie units, those units can only be accepted if they are earned through a State Department of Education-approved program.
7. For eligibility purposes, special recitation, extra work, make-up work, tests, review, etc., may not be given for the purpose of making a student eligible.
8. To be eligible, all students (including repeaters and hold-backs) must be enrolled in a specified number of new units at the school they represent.
 - a) 9th, 10th and 11th graders must be carrying at least six new units (three per semester on a 4x4 block schedule).
 - b) 12th graders that are on track for graduation with more than the required number of units earned must be carrying at least four new units for the school year (two units per semester on a 4x4 block schedule).
 - c) 7th and 8th graders must be carrying at least five new subjects.
9. The eligibility of a student that has attended another school during the preceding year must be established by a transcript from that school before the student is permitted to participate at the new school.

NCAA ELIGIBILITY

A student who is interested in participating in college athletics should see the athletic director or team coach regarding details of high school course requirements and NCAA eligibility early in the high school career. For further information, please visit the NCAA Eligibility Center at <http://www.eligibilitycenter.org>

PLANNING YOUR HIGH SCHOOL CAREER

Jasper High School is committed to providing all students with the foundation needed for success in the future. Regardless of what your plans are, you will need a solid high school education and a realistic career plan. In most cases, you will need to consider continuing your education beyond high school. The time to begin thinking and preparing for your future career is now. Jasper High School provides an opportunity for students to achieve their maximum potential and go as far as their initiative, hard work and motivation will carry them. Jasper High School offers a broad range of courses that challenge students. All students are strongly encouraged to engage in a rigorous curriculum.

THE COURSE SELECTION PROCESS

Students and parents should exercise extreme care in the selection of courses. The master schedule, staffing and textbook purchases for the next school year are built on the course requests of approximately 850 students. Every effort will be made to provide students with the courses for which they have requested. However, the availability of courses depends upon many factors including the number of students requesting a course, the number of sections of a course, and staff availability. Consequently, students must select alternate courses. Even then, there will be times when the course/alternate chosen may not work within a particular student's schedule. When students do not select alternates, counselors and administrators will select alternates for the student. In order to maximize chances of getting the courses requested, students should use the following guidelines:

- For advanced and honors level courses, consider carefully how prepared you may or may not be as well as how much time and effort you are willing to commit to the course.
- Check all criteria, prerequisites, and academic instructional levels.
- List alternative elective courses in priority order.
- If you have any questions, attach a letter to the course selection sheet.
- Return the Course Selection Sheet by the deadline or complete online through PowerSchool.

CURRICULUM

LANGUAGE ARTS DEPARTMENT

(Core Curriculum)

Core Curriculum classes are designed for students working at grade level. Study of language skills in writing, speaking, and listening is sequenced to provide preparation for the student in either vocational or college preparatory programs. The sequence of literature studied and the language reading and writing skills corresponds to the requirements and recommendations of The Alabama Course of Study and College and Career Readiness Standards.

ENGLISH, GRADE 9—Reading literature, reading informational text, writing, speaking and listening, and language. Concentrates on language skills including standard usage, function of the parts of speech, sentence structure, punctuation, capitalization, vocabulary, spelling, and dictionary skills. The course provides an intensive study of the sentence as a unit of thought in effective communication. Students study verbal, usage, coordination and subordination, parallel structure, and sentence variety and originality. Students participate in a variety of speaking activities and make oral presentations. Writing assignments emphasize sentence sophistication and paragraphing. Students will read major works of literature as well as selections from the textbook. Outside reading assignments may be required. Students are evaluated on the basis of class participation, homework, daily quizzes, book reports, unit tests, and semester exams. Grammar review and vocabulary building will focus on test preparation for ACT.

Grade: 9 **Credit:** 1.0

Prerequisite: *None*

HONORS ENGLISH, GRADE 9—Advanced work in reading literature, reading informational text, writing, speaking and listening, and language. Includes an accelerated study of grammar, punctuation, composition, spelling, and vocabulary; an introduction of the classics in literature and a minimum of two outside reading assignments with written and oral language exercises. Students are evaluated on the basis of class participation, homework, daily quizzes, reports on outside reading assignments, oral reports, unit tests, and semester exams. Grammar review and vocabulary building will focus on test preparation for ACT.

Grade: 9 **Credit:** 1.0

Prerequisite: *Successful completion of summer assignments; a minimum of two outside reading assignments; 85 average or higher in English 8*

ENGLISH, GRADE 10—Reading literature, reading informational text, writing, speaking and listening, and language. Coordinates the study of literature, oral communication, and grammar. Literature selections are from primarily colonial American literature to 1900 and World literature that impacted the advancement of American literature. All students will read several outside novels. Students will participate in discussion, writing assignments, language and vocabulary study and oral communication. Students are evaluated on the basis of class participation, homework, daily quizzes, unit tests, oral presentations, writing assignments and semester exams. Grammar review and vocabulary building will focus on test preparation for ACT.

Grade: 10 **Credit:** 1.0

Prerequisite: *English 9*

HONORS ENGLISH, GRADE 10—Advanced work in reading literature, reading informational text, writing, speaking and listening, and language. Provides an intensified study of primarily American literature from colonial times to 1900 and world literature that impacted the advancement of American literature. Includes the genres of short story, novel, drama, and poetry. Writing is emphasized and includes a study of various forms such as paragraphing, journal writing, and personal and formal essays. Writing subjects will vary but will address literary analysis from time to time. Communication skills will be emphasized through class participation, oral presentations, group discussions, and memory work. Students are evaluated on the basis of class participation, homework, group projects, presentations, quizzes, tests, writing assignments, literary analyses, and semester exams. Grammar review and vocabulary building will focus on test preparation for ACT.

Grade: 10 **Credit:** 1.0

Prerequisite: *Successful completion of summer assignments; 85 average or higher in Honors English 9 or permission of instructor*

ENGLISH, GRADE 11—Reading literature, reading informational text, writing, speaking and listening, and language. Emphasizes a survey of major American writers and literature from 1900 to contemporary pieces. Students will be asked to analyze literature and to recognize an author's work in its appropriate historical context. Major emphasis is also given to the development of composition skills. Work will include a grammar review stressing standard written usage, much practice in expository writing, and the multi-paragraph theme (or essay), as well as a research paper. Students will write frequently and will practice preparation for essay-type test questions. Students will participate in a variety of speaking activities, including oral presentations. Students are evaluated on the basis of homework, class participation, daily quizzes, composition, memorization assignments, unit tests, research paper, outside reading assignments, and semester exams. A research paper is required. Grammar review and vocabulary building will focus on test preparation for the ACT.

Grade: 11 **Credit:** 1.0

Prerequisite: *English 10*

AP ENGLISH, LANGUAGE AND COMPOSITION—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. The AP Language and Composition course is designed for advanced readers and writers who are eager to examine the use of language in depth. Course content differs from junior English both in the selection of readings and in the demands placed on the students. In addition to covering 20th century American literature, the course trains students to become skilled readers and writers in diverse genres and modes of composition. Students enrolled in AP Language must be willing to work at the college level; thus,

students must be mature scholars, prepared to think critically. Students follow a comprehensive writing program that stresses literary analysis, argumentation, and timed writing. A research paper is also required. Students are evaluated on outside reading assignments, tests, essays, and oral presentations. This course leads to AP English Literature and Composition. Grammar review and vocabulary building will focus on test preparation for the ACT.

See AP Agreement.

Grade: 11 **Credit:** 1.0

Prerequisite: *Successful completion of summer assignments; 85 average or higher from Honors English 10 or permission of instructor*

ENGLISH, GRADE 12—Reading literature, reading informational text, writing, speaking and listening, and language. Coordinates the study of English literature, composition, and grammar. The course includes a survey of English literature from Beowulf to contemporary British authors. Students will have the opportunity to review and refine composition techniques through grammar review coordinated with writing skills. A research paper is required. Students are evaluated on the basis of homework, daily quizzes, unit tests, research paper, reports, oral communication, outside reading assignments, composition assignments, and semester exams.

Grade: 12 **Credit:** 1.0

Prerequisite: *English 11*

AP ENGLISH, LITERATURE AND COMPOSITION—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. In addition to English literature, the course includes world masterpieces of literary merit from various genres and time periods. Students must demonstrate the appropriate writing skills to function on an AP level. A research paper is required. Student evaluation is based upon outside reading assignments, tests, composition, and oral presentations. Grammar review and vocabulary building will focus on test preparation for the ACT.

See AP Agreement.

Grade: 12 **Credit:** 1.0

Prerequisite: *Successful completion of summer assignments; 85 average or higher from AP English Language and Composition or permission of instructor*

MATHEMATICS DEPARTMENT

(Core Curriculum)

Students, parents, and teachers must carefully consider the appropriate course selection for the students to achieve academic success. Mathematics **must** be taken in sequential order so it is imperative that students and parents develop a four-year plan.

GEOMETRY with DATA ANALYSIS—Geometry with Data Analysis is a course which builds on the students' prior experiences and knowledge in previous math courses. It builds on essential concepts necessary for students to meet their postsecondary goals (whether they pursue college, trade school, or the workforce). It is important because it develops mathematical knowledge and skills through visual representations prior to the more abstract development of Algebra. **Geometry is required for graduation.**

Grades: 9 **Credit:** 1.0

Prerequisite: *none*

ADVANCED GEOMETRY with DATA ANALYSIS— Advanced Geometry with Data Analysis is an accelerated course which satisfies the geometry requirement for graduation. It includes an in-depth study of formal proof and extensive applications of topics in Geometry with Data Analysis course of study. This course prepares students for taking Advanced Algebra I with Probability. **Geometry is required for graduation.**

Grades: 9 **Credit:** 1.0

Prerequisite: *none*

HONORS GEOMETRY with DATA ANALYSIS— This is an accelerated course that satisfies the geometry requirement for graduation. It includes an in-depth study of formal proof and extensive applications of topics in Geometry with Data Analysis course of study. This course is intended for students planning to pursue Calculus their senior year. It prepares students for taking Honors Algebra I with Probability. **Geometry is required for graduation.**

Grade: 9 **Credit:** 1.0

Prerequisite: *85 average in 7th & 8th grade ACCELERATED math course*

ALGEBRA I with PROBABILITY— Algebra 1 with Probability is a course which builds upon algebraic concepts from junior high. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in math courses that follow it. This is a required course for all students. This course provides experiences for students to see how mathematics can be used systematically to represent patterns and relationships among numbers and other objects, analyze change, and model everyday events and problems of life and society. **Algebra I is required for graduation.**

Grades: 10 **Credit:** 1.0

Prerequisite: *Geometry with Data Analysis*

ADVANCED ALGEBRA I with PROBABILITY— Advanced Algebra 1 with Probability is an accelerated course which builds upon algebraic concepts from junior high. It is an accelerated option for students who perform well in mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in math courses that follow it. This course provides experiences for students to see how mathematics can be used systematically to represent patterns and relationships among numbers and other objects, analyze change, and model everyday events and problems of life and society. Advanced Algebra I is provided for students who intend to pursue PreCalculus their senior year. This course prepares students to take Advanced Algebra II with Statistics.

Algebra I is required for graduation.

Grades: 10 **Credit:** 1.0

Prerequisite: *Advanced Geometry with Data Analysis*

HONORS ALGEBRA I with PROBABILITY— Honors Algebra 1 with Probability is an accelerated course which builds upon algebraic concepts from junior high. It is an accelerated and more rigorous option for students who excel in mathematics. It provides students with the necessary knowledge of algebra and probability for use in everyday life and in math courses that follow it. This course provides experiences for students to see how mathematics can be used systematically to represent patterns and relationships among numbers and other objects, analyze change, and model everyday events and problems of life and society. Honors Algebra I is provided for students who intend to pursue Calculus their senior year. This course prepares students for Honors Algebra II with Statistics.

Algebra I is required for graduation.

Grade: 9 **Credit:** 1.0

Prerequisite: *85 average in Honors Geometry with Data Analysis*

ALGEBRA II with STATISTICS— Algebra II with Statistics is a new course which builds on the students' experiences in previous mathematics coursework. It is a required course, and it is to be taken following the successful completion of Geometry with Data Analysis and Algebra 1 with Probability. It is the culmination of 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. A focus on mathematical modeling and real-world statistical problem-solving is included across the course. Algebra II with Statistics builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce). **Algebra II is required for graduation.**

Grades: 11 **Credit:** 1.0

Prerequisite: *Algebra I w/ Probability*

ADVANCED ALGEBRA II with STATISTICS— Advanced Algebra II with Statistics is an accelerated course which builds on the students' experiences in previous mathematics coursework. It is an accelerated option for students who perform well in mathematics. It is a required course, and it is to be taken following the successful completion of Advanced Geometry with Data Analysis and Advanced Algebra 1 with Probability. It is the culmination of 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. A focus on mathematical modeling and real-world statistical problem-solving is included across the course. Algebra II with Statistics builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce). Advanced Algebra II is provided for students who intend to take PreCalculus their senior year.

Algebra II is required for graduation.

Grades: 11 **Credit:** 1.0

Prerequisite: *Advanced Algebra I w/ Probability*

HONORS ALGEBRA II with STATISTICS— Honors Algebra II with Statistics is an accelerated course which builds on the students' experiences in previous mathematics coursework. It is an accelerated and more rigorous option for students who perform well in mathematics. It is a required course, and it is to be taken following the successful completion of Honors Geometry with Data Analysis and Honors Algebra 1 with Probability. It is the culmination of 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. A focus on mathematical modeling and real-world statistical problem-solving is included across the course. Algebra II with Statistics builds essential concepts necessary for students to meet their postsecondary goals (whether they pursue additional study or enter the workforce). Honors Algebra II is provided for students who intend to take Calculus their senior year.

Algebra II is required for graduation.

Grade: 10 **Credit:** 1.0

Prerequisite: *85 average in Honors Algebra I w/ Probability*

ALGEBRA with FINANCE— Algebra with Finance is a college and career preparatory course that integrates all areas of mathematics 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. 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.

Grade: 12 **Credit:** 1.0

Prerequisite: *Algebra II w/ Statistics*

PRECALCULUS— Precalculus is an advanced accelerated course designed for students who have successfully completed the Advanced 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 Precalculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions and logarithmic and exponential functions. Application-based problem solving is an integral part of the course.

Grade: 12 **Credit:** 1.0

Prerequisite: *Advanced Algebra II w/ Statistics*

HONORS PRECALCULUS—This is a rigorous math course designed for college bound students who plan to take Calculus. This course is considered to be a prerequisite for success in calculus and college mathematics. Algebraic, graphical, numerical, and verbal analyses are incorporated during investigations of the Precalculus content standards. Parametric equations, polar relations, vector operations, conic sections, and limits are introduced. Content for this course also includes an expanded study of polynomial and rational functions, trigonometric functions, and logarithmic and exponential functions. This course is provided for students who intend to take Calculus their senior year. Application-based problem solving is an integral part of the course.

Grade: 11 **Credit:** 1.0

Prerequisite: 85 average in Honors Algebra II w/ Statistics

AP CALCULUS— Advanced placement math course; differential and integral calculus; analytic geometry topics; and functions.

Grade: 12 **Credit:** 1.0

Suggested Math Course Sequences

	No Endorsement	Advanced Endorsement	Honors Endorsement
9th	Geometry with Data Analysis	Advanced Geometry with Data Analysis	Honors Geometry with Data Analysis & Honors Algebra I with Probability
10th	Algebra I with Probability	Advanced Algebra I with Probability	Honors Algebra II with Statistics
11th	Algebra II with Statistics	Advanced Algebra II with Statistics	Honors PreCalculus and/or AP Calculus
12th	Algebra with Finance OR Other Math Option	PreCalculus	AP Calculus and/or Option from STEM (optional)

Other Math Options:

Computer Science (Sequential Order):

- TEALS (Intro to Comp. Sci.)
- Computer Science Principles
- Computer Science A / Cybersecurity

College Math Course

SCIENCE DEPARTMENT

(Core Curriculum)

BIOLOGY— NOTE: FULFILLS THE BIOLOGY GRADUATION REQUIREMENT. Covers biology core content standards; scientific process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants, animals, ecology; biogeochemical cycles. Fulfills the biology graduation requirement.

Grade: 9 **Credit:** 1.0

Prerequisite: None

HONORS BIOLOGY—NOTE: FULFILLS THE BIOLOGY GRADUATION REQUIREMENT; Covers advanced work in the Biology Core content standards; scientific process and application skills; cell processes; cell theory; photosynthesis and cellular respiration; genetics; classification; plants; animals; ecology; biogeochemical cycles.

Grade: 9 **Credit:** 1.0

Prerequisite: 85 average in eighth grade advanced physical science

AP BIOLOGY— 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. **See AP**

Agreement

Grade: 11, 12 **Credit:** 1.0

Prerequisite: 85 average in Biology and Chemistry

CHEMISTRY- NOTE: FULFILLS THE A PHYSICAL SCIENCE GRADUATION REQUIREMENT. Covers Chemistry Core content standards; scientific process and application skills; matter classification; carbon chains; periodic table solutions; kinetic theory; stoichiometry; ideal gases; physical and chemical changes; chemical and nuclear reactions. A personal scientific calculator is needed to take this course. Chemistry requires that students come to the course with the ability to work independently, perform algebraic operations and solve word problems as well as complete laboratory work.

Grades: 11, 12 **Credit:** 1.0

Prerequisite: 80 average in Algebra I and Biology; 80 average Algebra II or to be taking the course concurrently

AP CHEMISTRY—NOTE: FULFILLS THE A PHYSICAL SCIENCE GRADUATION REQUIREMENT. College-level advanced course following the curriculum established by the College Board Advanced Placement (AP) Program for chemistry; atomic theory and structure; chemical bonding; nuclear chemistry; gases; liquids and solids; solutions; reaction types; stoichiometry; equilibrium; kinetics; thermodynamics. **See AP Agreement**

Grade: 11, 12 **Credit:** 1.0

Prerequisite: 85 average in Honors Chemistry and Algebra II

AP PHYSICS 1—NOTE: FULFILLS THE A PHYSICAL SCIENCE GRADUATION REQUIREMENT. 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; facilitates inquiry-based learning designed to develop scientific critical thinking and reasoning skills. **See AP Agreement**

Grade: 12 **Credit:** 1.0

Prerequisite: PreCalculus or concurrent enrollment in PreCalculus

PHYSICAL SCIENCE—NOTE: FULFILLS THE A PHYSICAL SCIENCE GRADUATION REQUIREMENT; is a core science course designed as an inquiry-based introduction to the basic concepts and skills of chemistry and physics. Students will be required to perform laboratory investigations, problem-solving activities, keep records, make reports, present oral and written projects, and participate in discussions regarding the results and conclusions of scientific investigations. When taken at the high-school level, Physical Science fulfills the physical science core for either diploma.

Grade: 10 **Credit:** 1.0

Prerequisite: Biology

ENVIRONMENTAL SCIENCE—

NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A PHYSICAL SCIENCE.

Scientific process and application skills. Designed to introduce the study of how humans interact with the environment. Students will learn about the dynamic Earth, organization of ecosystems, energy flow, natural cycles, diversity of life, major biomes, aquatic and marine ecosystems, pollution, conservation, and energy.

Grade: 11, 12 **Credit:** 1.0

Prerequisite: Biology and Physical Science

FORENSIC & CRIMINAL INVESTIGATION—

NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A PHYSICAL SCIENCE.

Forensic 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 Investigation covers the application of the scientific method at a crime scene, including scene processing and the identification and collection of evidence. This course meets the graduation requirement for one unit of a science elective from the Alabama Course of Study for Science.

Grade: 11, 12 **Credit:** 1.0

Prerequisite: Biology and Physical Science

ANATOMY—NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A PHYSICAL SCIENCE

Scientific process and application skills; anatomical terminology; structure and function of cells, tissues, and body systems; biochemistry; system regulation and integration.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: Biology and a Physical Science

INTRODUCTION TO BIOTECHNOLOGY—NOTE: DOES NOT FULFILL THE GRADUATION REQUIREMENT FOR BIOLOGY OR A PHYSICAL SCIENCE

This course is an introduction to biotechnology, including career exploration, historical development and current applications in the areas of medicine, forensics, agriculture, and the environment. Students will learn laboratory safety and documentation while acquiring skills in the maintenance and calibration of basic lab equipment, calculation, and preparation of lab solutions and media.

Grade: 11, 12 **Credit:** 1.0

Prerequisite: *Biology and Physical Science*

Suggested Science Course Sequences:

	No Endorsement	Advanced Endorsement	Honors Endorsement
9th	<ul style="list-style-type: none"> • Biology 	<ul style="list-style-type: none"> • Biology 	<ul style="list-style-type: none"> • Honors Biology
10th	<ul style="list-style-type: none"> • Physical Science 	<ul style="list-style-type: none"> • Anatomy 	<ul style="list-style-type: none"> • Honors Chemistry • Anatomy (only if taken Chemistry) <p><small>*Both suggested if preparing for AP Biology & AP Chemistry</small></p>
11th	<ul style="list-style-type: none"> • Environmental Science 	<ul style="list-style-type: none"> • Chemistry 	<ul style="list-style-type: none"> • AP Chemistry • AP Biology
12th	<ul style="list-style-type: none"> • Forensics Science 	<ul style="list-style-type: none"> • Intro to Biotechnology 	<ul style="list-style-type: none"> • AP Physics 1

****Chemistry or Physics is required for the Advanced Endorsement.**

****Honors courses are strongly recommended as pre-requisites before AP Biology and AP Chemistry.**

****Anatomy is strongly recommended as a pre-requisite for AP Biology.**

****Pre-Calculus is strongly recommended as a pre-requisite for AP Physics 1.**

SOCIAL STUDIES DEPARTMENT

(Core Curriculum)

WORLD HISTORY: 1500 TO PRESENT— 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. This course continues the study of world history from 1500 to the present. Critical thinking and analysis are important in this course. The course directs students to think critically about the forces that combine to shape the world today. It allows them to analyze development and changes in the European, Asian, African and American civilizations and ways in which the interactions of these cultures have influenced the formation of today's world. Geographic concepts increase learners' comprehension of global connections as they expand their knowledge and understanding of a wide variety of cultures, both historical and contemporary. Knowledge and understanding gained during the previous year's study provide the foundation for the critical analysis required in this course. This is a required social studies course for students in Alabama schools.

Grade: 9 **Credit:** 1.0

Prerequisite: *None*

HONORS WORLD HISTORY: 1500 TO PRESENT— 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. This course continues the study of world history from 1500 to the present. Critical thinking and analysis are important in this course. The course directs students to think critically about the forces that combine to shape the world today. It allows them to analyze development and changes in the European, Asian, African and American civilizations and ways in which the interactions of these cultures have influenced the formation of today's world. Geographic concepts increase learners' comprehension of global connections as they expand their knowledge and understanding of a wide variety of cultures, both historical and contemporary. This course fulfills the Alabama requirement for World History.

Grade: 9 **Credit:** 1.0

Prerequisite: *85 or higher average from previous social studies class and successful completion of summer assignments*

UNITED STATES HISTORY TO 1877— Chronological survey of major events and issues: colonization; American Revolution; development of political system and distinct culture; slavery; reform movements; sectionalism; Civil War; Reconstruction; concepts related to Alabama history and geography. The U.S. History to 1877 is a comprehensive two-year sequence beginning in the 10th grade with beginnings to 1877 and 1877 to present. Students will begin with the earliest discoveries on the North American continent and follow a chronological study of the major events, issues, movements, leaders and groups of people of the United States through the Reconstruction period from a national and Alabama perspective. This course will build upon the foundation of knowledge gained in the

5th and 6th grades as well as the 8th and 9th grades World History.

Grade: 10 **Credit:** 1.0

Prerequisite: *None*

AP UNITED STATES HISTORY PART I— Advanced Placement United States History Part I is a survey course in American history and is designed to provide students with a solid foundation for understanding and analyzing the history of the United States from colonization through Industrialization. This course is rigorous and is intended to prepare students for AP US History Part II and the AP Exams. This course requires students to develop skills in note-taking, organization, logic, analysis, synthesis, evaluation, critical thinking, reading and writing. Students will gain a broad range of historical knowledge about the United States from its beginnings up to 1900. They will effectively use the analytical skills of; evaluation, determining cause and effect, and comparing and contrasting. Students will learn to interpret and apply data from original documents, compare and contrast change over time, and be able to support or refute an argument or position. Students in this class are on track to take AP US History Part II. Therefore, students will be required to write short answers and long essays in a hand-written essay format that is similar to the AP Exams. A considerable amount of self-directed study will be required of students who expect to do well on the exams. **See AP Agreement.**

Grade: 10 or 11 **Credit:** 1.0

Prerequisite: *Successful completion of summer assignments*

UNITED STATES HISTORY FROM 1877 TO PRESENT— 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, concepts related to Alabama history and geography. This course continues the study of United States History from the tenth grade and follows the current course standards. It studies the economic, geographic, social, and political development of the United States after the Reconstruction era. This course is built upon the previous knowledge foundation obtained in the tenth grade course. It will show how America grew into an international power after Reconstruction. This course is a critical analysis of the United State decision and actions on major domestic issues as well as international affairs.

Grade: 11 **Credit:** 1.0

Prerequisite: *None*

AP UNITED STATES HISTORY PART II— This course is a college level course following the curriculum established by the College Board Advance Placement (AP) Program for United States History Part II and of the Americas. It will develop an understanding of the political, social, diplomatic, economic and cultural/intellectual history of the U.S. It will also develop an understanding of the fundamental issues and themes of American history. Using critical thinking skills, primary source analysis and content area knowledge to form well-articulated arguments in essay form will be a primary focus. Specialized instruction and independent assignments in this class will provide students with the necessary tools to do well on the Advanced Placement test. It should be noted, however, that a considerable amount of self-directed study will be required of anyone who expects to do well on the exams. It is a college level course designed to provide the student with analytical skills and factual knowledge necessary to successfully complete the AP Exam. Critical thinking skills and above average writing skills are a must. Successful completion of Advanced Placement United States History Part I is required. **See**

AP Agreement

Grade: 11 **Credit:** 1.0

Prerequisite: *AP US History Part I*

ECONOMICS—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. The study of man's efforts to satisfy his unlimited wants through the use of his scarce and limited resources. This one-semester course, which is required of all seniors, includes the basic concept of how our economic system works as compared to other systems, what the unique qualities of the free enterprise system are, and how the individual operates within the system. The study emphasizes the cause and effect of economic actions, consumer planning and participation, consumer problems, and world activities. The course incorporates a study of comparative economics, economic theory, and consumer economics; therefore, a broad conceptual approach is mandated.

Grade: 12 **Credit:** 0.5

Prerequisite: *None*

UNITED STATES GOVERNMENT— 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. A one-semester course required of all seniors and is paired with Economics. Government is a study of the origins, development, and principles of the United States political system. It includes comparisons of democracy and other political systems while emphasizing the basic civil rights inherent to the American political system. The course also includes a review of the foundations of American government from the point of view of the practical day-to-day workings of the government, political parties, and a detailed study of the legislative, executive, and judicial branches of government.

Grade: 12 **Credit:** 0.5

Prerequisite: *None*

FOREIGN LANGUAGE DEPARTMENT

SPANISH I— Listening and speaking skills including understanding and responding to simple directions, expressions of courtesy, and questions related to daily routines; reading and writing skills including words and phrases used in basic situational contexts; beginning understanding of Spanish-speaking cultures. Students may be required to do individual projects. Oral presentations and written exercises are required.

Grades: 10, 11, 12 **Credit:** 1.0

Prerequisite: *None*

SPANISH II— Listening and speaking skills including understanding and responding to directions, commands and questions. Further understanding of Spanish-speaking cultures through short texts. Basic English grammar skills are required, such as recognition of nouns, verbs, pronouns and sentence structure. Learning of a new language through the analysis of texts, film, grammar and vocabulary.

Grades: 11, 12 **Credit:** 1.0

Prerequisite: *Spanish I*

CAREER AND TECHNICAL EDUCATION CAREER PATHS **BUSINESS MANAGEMENT AND ADMINISTRATION CAREER PATHWAY PROGRAM**

JHS School of Business
The Viking Varsity Shoppe and The Viking Production Studio

The JHS School of Business prepares learners for careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Career opportunities in this cluster are available in every sector of the economy and require specific skills in organization, time management, customer service, communication and the effective use of technology. This program is for students who are interested in pursuing careers in business management and administration, owning their own business, or working in fields that require business and technology knowledge including media publication and production. The program will be operated as a simulated workplace with the opening of the Viking Varsity Shoppe and the Viking Production Studio.

Credentials/ Career Readiness Indicators (CRI): Microsoft Office Specialist, Microsoft Office Word Expert, Microsoft Office Excel Expert, Adobe Certified Associate – Photoshop

Career Technical Student Organization: Future Business Leaders of America (FBLA) is a nonprofit international career and technical student organization for young men and women preparing for careers in business and business-related fields. Our mission is to bring business and education together in a positive working relationship through innovative leadership and career development programs.

CAREER PREPAREDNESS A- REQUIRED COURSE- A half-credit course that prepares students with content knowledge and skills in the areas of career development and academic planning and computer skill application. Also, this course is designed to meet the required 20-hour online experience

Grade: 9, 10, 11, 12

Credit: .5

Prerequisite: None

BUSINESS SOFTWARE APPLICATIONS I - Business Software Applications I is a one-credit foundation course emphasizes the skills required to create, edit, and publish industry-appropriate documents. Areas of instruction include the integration of word processing, desktop publishing, spreadsheets, database management, and presentation software as well as the use of emerging technologies. Competencies for the co-curricular student organizations, DECA and Future Business Leaders of America (FBLA-PBL), are also embedded in this course. Students will have the opportunity to gain industry-recognized credentials to document basic computer skills needed for future education or employment. Students will have an opportunity to obtain a nationally recognized Microsoft Office Specialist Certification.

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

BUSINESS SOFTWARE APPLICATIONS II - The Business Software Applications II with Microsoft Certifications Program focuses on advanced word processing and spreadsheet and database management skills using current and emerging integrated technology. These skills include a variety of input technologies in the production of professional quality business documents and reports. Performance and production skills for the co-curricular student organizations, Future Business Leaders of America (FBLA-PBL), are embedded in this course. Students can also gain industry-recognized credentials to document advanced computer skills needed for future education or employment plans.

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: *Business Software Applications I*

DATA ANALYTICS-- Data Analytics is a specialized course designed to introduce statistics and the application of statistics to business decision-making. It covers the design and development of financial applications using the tools available in statistical analysis software to analyze data and convert into useful information. It focuses on utilizing software applications and appropriate methods to collect data and provide clients with useful information to reach valid conclusions resulting in sound business decisions.

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: None

DIGITAL PUBLICATIONS DESIGN (formerly MULTIMEDIA PUBLICATIONS) – Digital Publications Design is a one-credit course that gives students marketable experience in both print and digital publishing. Emphasis is placed on page layout and design, computerized text, graphic art, digital photography, and the use of software to create a variety of publications. These multimedia skills will be put to work as the students participate in the Simulated Workplace Model in their school-based enterprise: The Viking Production Studio.

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: *Business Software Applications I*

DIGITAL MEDIA DESIGN (formerly Multimedia Design) – Digital Media Design provides a creative, hands-on environment in which students collaborate to produce a variety of digital media projects. Students use various hardware, peripherals, software, and web-based tools to learn skills involving graphic design, digital photography, web design, and digital video production. 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. Emphasis will be given to the production and streaming of live video broadcasts along with educational and informational productions to promote the programs and activities of the Jasper City School System. These multimedia skills will be put to work as the students participate in the Simulated Workplace Model in their school-based enterprise: The Viking Production Studio.

Grade: 10, 11, 12 **Credit:** 1.0
Prerequisite: *Business Software Applications I*

STEM PATHWAY COMPUTER SCIENCE

INTRO TO COMPUTER SCIENCE TEALS- Computer Science Essentials emphasizes computational thinking and collaboration while introducing computational fundamentals, concepts, and tools that are used in the computer science industry. Participants will work individually and in teams to create Android apps and computer programs that solve real-world application problems. This course focuses on block based programming in the beginning and transitions to the text-based programming language Python by the end of the coursework.

Grade: 9-10 **Credit:** 1.0
Prerequisite: *None*

AP COMPUTER SCIENCE PRINCIPLES A- CS Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. CS Principles covers many topics including the Internet, Big Data and Privacy, Programming using JavaScript and Scratch, App Development (including clicker games, etc.) and Cybersecurity (with investigations into encryption).

Grade: 11-12 **Credit:** 1.0
Prerequisite: *Algebra I, Algebra II, higher-order mathematical reasoning and problem solving skills, computational understanding of functions and function notation, proficient written communication skills.*

CYBERSECURITY/INTRODUCTION TO PYTHON- This course will expand upon the ideas developed in AP Computer Science Principles. The Python language will be explored in depth including the use and development of algorithms, data structures, and modules. Projects in this course will be focused on cybersecurity topics such as malware, spyware, viruses, and networking.

Grade: 10-12 **Credit:** 1.0
Prerequisite: *Intro to Computer Science - TEALS, AP Computer Science Principles*

ENGINEERING

APPLICATIONS OF ENGINEERING & TECHNOLOGY- Applications of Engineering & Technology offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences and solve engaging and challenging real-world problems. By inspiring and empowering students with an understanding of engineering and career opportunities, Applications of Engineering & Technology broadens participation in engineering education and the engineering profession. Applications of Engineering & Technology will investigate topics such as natural disaster relief, electromechanical and mechanical system design, and urban planning.

Grade: 9-12 **Credit:** 1.0
Prerequisite: *None*

INTRO TO ENGINEERING DESIGN PLTW- This course exposes students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. In addition, students will use 3D solid modeling design software package (CAD - computer aided design) to help them design solutions to solve proposed problems. The course assumes no previous knowledge, but students should be concurrently enrolled in college preparatory mathematics and science.

Grade: 10-12 **Credit:** 1.0
Prerequisite: *None*

PRINCIPALS OF ENGINEERING PLTW- Principals of Engineering introduces students to the basic concepts of various engineering areas: Civil, Mechanical, Electrical, Materials, etc. Through problems that engage and challenge, students explore these broad range of engineering topics. In Principles of Engineering (POE), students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Students will develop their skills as they construct hydrogen fuel cell cars, build automated systems like elevators and robotic systems, design bridges, investigate materials and their applications and through many more exciting hands on experiences

Grade: 10-12 **Credit:** 1.0
Prerequisite: *Intro to Engineering Design*

HOSPITALITY AND TOURISM CLUSTER

Restaurant and Food and Beverage Services Career Pathway Program

JHS School of Culinary Arts and The Viking Rock Café

The JHS School of Culinary Arts programs will focus on the hospitality and tourism areas associated with food and restaurant management. The classes are a first step on the path to a professional career in the culinary field. They will expose students to necessary skills needed in the food service industry and will provide a foundation of skills that can be applied to a diverse range of careers in the hospitality and tourism industry, including dining, baking, event planning, and restaurant management. The program will be operated as a simulated workplace with the opening of The Viking Rock Café.

Credentials/ Career Readiness Indicators (CRI): ServSafe Manager/Guest Services Gold Professional (GSGP)/ProStart.

Career Technical Student Organization: Family, Career and Community Leaders of America (**FCCLA**) is an affiliated club with all the hospitality and tourism courses. FCCLA is an integral part of the curriculum and provides opportunities to apply instructional competencies and workplace readiness skills, enhances leadership development skills, provides opportunities for community service, and broadens opportunities for personal and professional growth.

HOSPITALITY & TOURISM— (Culinary Arts Foundation Course)

This one-credit course serves as the prerequisite for the Culinary Arts and all pathways included in the Hospitality and Tourism cluster. Major topics include introduction to restaurant and food and beverage services, safety and sanitation, hospitality and tourism, recreation, travel and tourism, lodging, customer relations and quality services. This course will provide an overview of the entire industry, as well as hands-on experience in food service and dining. This class will provide students with fundamental skills in food preparation coupled with relevant work-based experience. This curriculum enriches, enhances, and reinforces what students learn in the classroom while providing students with opportunities to develop and practice skills critical to their future success.

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: None

CULINARY ARTS I - This course introduces students to basic food production, management, and service activities in both the back-and front-of-the-house. This course involves both theory and actual hands-on lab and work experience. Emphasis is placed on sanitation, safety, and basic food preparation. Skills in mathematics, science, and communication are reinforced in this course.

School-based laboratory experiences will be performed in a laboratory commercial kitchen with a food-serving and dining room.

School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry. Student culinary skills will be further enhanced as they participate in the Simulated Workplace Model through the Viking Rock Café.

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: *Hospitality and Tourism (Culinary Arts Foundation Course)*

CULINARY ARTS II - Culinary Arts II provides advanced experience in food production, management, and service. Topics include food service operations, advanced food production, and professionalism. Skills in mathematics, communication, creative thinking, and entrepreneurship are reinforced in the course. The required school-based laboratory will be performed in a laboratory commercial kitchen with a food-serving and dining area. School-based laboratory experiences are essential for students to develop skills in the hospitality and tourism industry. Advanced student culinary skills will be further enhanced as they participate in the Simulated Workplace Model through the management and operation of the Viking Rock Café.

Grade: 10, 11, 12

Credit: 1.0

Prerequisite: Hospitality and Tourism (Culinary Arts Foundation Course) and Culinary Arts I

EVENT PLANNING - In this course, 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 the 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.

Grade: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

SENIOR CAREER PROJECT PATHWAY- Senior Career Pathway Project (SCPP) is a capstone course designed for career and technical education students who have completed two or more career and technical education courses. This course allows students to utilize their secondary coursework through an experience that showcases their learning. It provides an opportunity for a student to choose an area of interest and engage in an in-dept exploration of the area while demonstrating problem-solving, decision-making, and independent-learning skills.

Grade: 12

Credit: 1.0

Prerequisite: *This course is for students who desired a career in Culinary Arts. Students must complete all courses (Hospitality & Tourism/Culinary arts I/ II/ Event Planning) with a 90 (3.0 or better) and approval from Chef Marulynn Lockett.*

CTE/LAB- this course is a continuation in depths of culinary arts through labs, food innovations, practice, and management. Students work closely with Chef/Instructor as the Sous Chef.

Grade: 11-12

Credit: 1.0

Prerequisite: *This course is for students who desired a career in Culinary Arts. Students must complete all courses (Hospitality & Tourism/Culinary arts I/ II/ Event Planning) with a 90 (3.0 or better) and approval from Chef Marulynn Lockett.*

HEALTH SCIENCE CAREER PATHWAY PROGRAM

JHS School of Health Science and The Viking Medical Center

The JHS School of Health Science is designed to allow students to explore careers, terminology, basic skills, and technologies associated with medical and health science professions. This program provides an overview of the therapeutic, diagnostic, health informatics, support services, and biotechnology research and development systems of the health care industry. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others. The instructional content incorporates project- and problem-based healthcare practices and procedures to demonstrate knowledge and skills fundamental to a variety of healthcare careers. Students are expected to apply the knowledge and skills necessary to pursue a health science career through further education and employment. The program will be operated as a Simulated Workplace with the Viking Medical Center.

Credentials/ Career Readiness Indicators (CRI): Certified Patient Care Technician, Certified Pharmacy Technician, CPR Instructor

Career Technical Student Organization: Future Health Professionals (HOSA) is a student led organization which is 100% focused and acts as a pipeline to provide seamless transition opportunities for members to move from education to career.

FOUNDATIONS OF HEALTH SCIENCE - This foundation course introduces students to the diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students will identify the employment opportunities, technology, and safety requirements of each system. Professional integrity in the health science industry is dependent on acceptance of ethical and legal responsibilities. Students are expected to employ their ethical and legal responsibilities and limitations and understand the implications of their actions. This course is the prerequisite for all the health-related fields at the post- secondary level, and fulfills the graduation requirement for Health. The classroom will adhere to the Simulated Workplace Model through the opening of the Viking Medical Center.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: None

MEDICAL TERMINOLOGY - Medical Terminology is a one-credit course that is designed for students to develop health care specific knowledge for a career in the medical field. This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, and singular and plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: *Foundations of Health Science*

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

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: *Foundations of Health Science*

HEALTH SCIENCE INTERNSHIP - Health Science Internship provides students with the knowledge and skills necessary for becoming a health care worker or for preparing students for postsecondary health care education programs. Theory and laboratory components comprise a minimum of 10 percent of the course. Health Science Internship is designed to be completed in a hospital, extended care facility, rehabilitation center, medical office, imagery laboratory or other health care facility. Students must complete a detailed application and meet all requirements to be eligible for a Health Science Internship.

GRADE: 12 **Credit:** 1.0

Prerequisite: *Foundations of Health Science, Medical Terminology, Therapeutic Services*

Health Science Add-On Courses:

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

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: *Apply and be accepted by athletic trainer, Adrienne Bosworth*

SPORTS MEDICINE ADVANCED- Sports Medicine Advanced is a one credit course with strong emphasis on musculoskeletal injuries as well as the psychological and sociological responses to injuries and illness. Students will demonstrate critical thinking skills, patient care skills related to prevention, rehabilitation, and management, and communicate appropriate outcomes through oral and written communication. Course content will include an understanding of basic pathophysiology, kinesiology, and principles of treatment. An analysis of a variety of health situations involved in the sports medicine pathway will be conducted through project based learning, laboratory, simulation, and clinical experiences.

Grade: 11, 12 **Credit:** 1.0

Prerequisite: *Apply and be accepted by athletic trainer, Adrienne Bosworth*

PRECISION MACHINING CAREER PATHWAY PROGRAM

Accredited by the National Institute for Metalworking Skills (NIMS)

JHS School of Precision Machining and Viking Precision Made Products

The JHS School of Precision Machining provides the knowledge and skills to equip students for careers in precision machining. Theory and concepts are taught in proportion to the need for strong application opportunities with emphasis on timely learning experiences that facilitate the transition to skills attainment. Student precision machinists will set up and operate a variety of machine tools to produce precision parts and instruments. The curriculum includes necessary skills for students to fabricate, modify, or repair mechanical instruments. The program will be operated as a simulated workplace with the opening of Viking Precision Made Products.

Credentials/ Career Readiness Indicators (CRI): NIMS Measurement, Materials & Safety, NIMS Job Planning, Benchwork & Layout, NIMS Manual Milling Skills, NIMS Turning Operations Between Centers

INTRO TO PRECISION MACHINING - This course provides an introduction to machining processes and job opportunities for students who are pursuing careers in Industrial Maintenance & Precision Machining.

Grade: 10, 11

Credit: 1.0

Prerequisite: None

INTRO TO LATHE - This course provides an introduction to the manufacturing process that uses basic lathe operations.

Grade: 10, 11

Credit: 1.0

Prerequisite: *Intro to Precision Machining*

INTRO TO MILLING, DRILL PRESS, AND SURFACE GRINDER - This course provides an introduction to manufacturing processes including milling techniques, drill press techniques, and grinding techniques.

Grade: 11, 12

Credit: 1.0

Prerequisite: *Intro to Lathe*

INTERMEDIATE LATHE - This course provides an introduction to machining technologies and job opportunities for students who are pursuing careers in manufacturing.

Grade: 11, 12

Credit: 1.0

Prerequisite: *Intro to Milling, Drill Press, and Surface Grinder*

INTERMEDIATE MILL & SURFACE GRINDER - Course provides an introduction to manufacturing processes including instruction in advanced milling and grinding operations.

Grade: 12

Credit: 1.0

Prerequisite: *Intermediate Lathe*

INTRO TO COMPUTER NUMERICAL CONTROL - Course introduces students to manufacturing processes and job opportunities in manufacturing with emphasis on National Skills Standards of the National Tool and Dies Association, Machining Association, and NIMS.

Grade: 12

Credit: 1.0

Prerequisite: *Intermediate Mill & Surface Grinder*

WORK-BASED LEARNING EXPERIENCE

Cooperative Education Seminar

COOPERATIVE EDUCATION SEMINAR/WORK-BASED EXPERIENCE- This is a work-based experience which integrates work-based apprenticeships and internships related to the student's career objective. Co-op students must have a minimum of 140 continuous hours of paid apprenticeship work OR 140 continuous hours of unpaid internship work for each Co-op credit. These apprenticeships or internships are performed under the supervision of a Workplace Mentor and the Work-Based Learning/Cooperative Education Coordinator. Student requirements for participation: minimum of 16 years old, valid Driver's License, regular transportation, parental permission, interview by Cooperative Education Coordinator. **Students must submit a completed application packet prior to the end of the registration period to be approved for the program.**

Grade: 11, 12

Credit: 1.0

Prerequisite: (1) *Career and Technical Education Course AND Admission to the Cooperative Education Program*

ARMY JUNIOR RESERVE OFFICERS' TRAINING CORPS

Army JROTC

The mission of JROTC is to *"Motivate young people to be better citizens."* JROTC is a progressive development program that teaches citizenship and provides high school students the opportunity to learn and practice leadership. The curriculum is designed to help the high school cadets to develop the following core capabilities: Build capacity for life- long learning, communication skills, personal responsibility, citizenship, teamwork, leadership, fitness, and critical reasoning & decision-making. To gain maximum benefit, cadets are encouraged to enroll their freshman year and remain in the program through their senior year.

Credentials/ Career Readiness Indicators (CRI): Army JROTC Certificate

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING - LET I— A one-credit course designed for first-year cadets. The class is both classroom and laboratory instruction about the history, customs, traditions and purpose of Army JROTC.Emphasis is placed on basic leadership principles, values, teamwork, and personal responsibility.

Grade: 9 (Fall Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING - LET II— A one-credit course designed to build on LET 1 first year JROTC classes. The course provides cadets intermediate instruction on leadership theories, methods and practical application in the classroom and during labs and JROTC unit activities outside the classroom. Emphasis is placed on communication techniques, citizenship, fitness and map reading / orienteering skills.

Grade: 10 (Fall Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING - LET III- A one-credit course designed to provide advanced instruction in leadership, communication, and problem- solving. Students will have hands-on experiences as leaders in the unit and assist in the integration, training and team building of (LET 1 and LET 2) less experienced cadets. Emphasis is placed on negotiation skills, communication, fitness and management principles.

Grade: 11 (Fall Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC LEADERSHIP EDUCATION AND TRAINING - LET IV—A one-credit course provides leadership opportunities for students to develop as leaders in assigned command, staff and project leadership positions. Students are assigned leadership positions within the JROTC unit organization and fulfill responsibilities for planning according to their position, assigned projects and specialty teams that they choose to join. Emphasis is placed on improving communication techniques, planning and executing training, decision making and life skills after high school.

Grade: 12 (Fall Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC 1B—This course is designed to develop an understanding of leadership traits and principles, citizenship, oral communication, physical fitness, health/wellness including drug prevention and CPR, motivational techniques such as "Unlocking Your Potential" and an awareness of military history.

Grade: 9 (Spring Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC 2B—This course is designed to develop proficiency in health/wellness and CPR techniques, and an appreciation for self-awareness techniques ("Winning Colors"), modern technologies, career opportunities, and role of the U.S. Army, military history, and physical fitness.

Grade: 10 (Spring Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC 3B—This course develops an understanding of the justice system (military and civilian), the role of the U.S. Armed forces, safety (hunting and boating), orienteering, physical fitness, new technologies, military history, and motivational learning techniques such as "Power Learning."

Grade: 11 (Spring Semester) **Credit: 1.0**

Prerequisite: *None*

ARMY JROTC 4B—This course develops proficiency in command and staff procedures, physical fitness, military parades and ceremonies, citizenship science and new technologies and communications. Students must demonstrate ability to speak to large audiences, perform staff briefings and prepare staff reports, write resumes and cover letters, and complete job applications. They also apply problem solving/decision making skills in leadership and supervisory positions of authority.

Grade: 12 (Spring Semester)

Credit: 1.0

Prerequisite: *None*

FINE ARTS DEPARTMENT

VISUAL ART

All courses offered in the Art Department qualify as a fine art credit.

VISUAL ARTS LEVEL I- Create; produce; elements and principles of design; two-and three- dimensional techniques and media; art history; art vocabulary; aesthetics; criticism; solution of art problems to communicate ideas; safety issues with handling and storage of materials. This course is a study of the basic fundamentals of art and is a prerequisite for advanced art courses. It provides students with an overview introduction to media and to various techniques in the areas of drawing, painting, sculpture, ceramics, printmaking, crafts, art history, and critique. Visual Arts I is offered to all students.

Grades: 9, 10, 11, 12

Credit: 1.0

Prerequisite: None

VISUAL ARTS LEVEL II - Create; visual relationships; problem solve using a variety of media and techniques; elements and principles of design; aesthetics; criticism; art history; art vocabulary; evaluation of artwork; interdisciplinary connections. Visual Arts II is a review of various art media, techniques, skills, and art appreciation. Emphasis is on observational drawing skills and the creative process. Students will learn to think conceptually while increasing their skills in the following areas: composition, drawing, painting, and printmaking.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: Visual Arts Level I

VISUAL ARTS LEVEL III – Create; problem solve; utilize variety of media and techniques; communicate concepts, emotions, intentions; elements and principles of design; technology; independent research; self- directed sketchbook; critical analysis; aesthetics; art history; interdisciplinary connections. Visual Arts III gives students the opportunity to work in areas of special interest in regard to media and theme.

Grade: 11, 12 **Credit:** 1.0

Prerequisite: Visual Arts Levels I and II

VISUAL ARTS LEVEL IV – Create; problem solve; utilize variety of media and techniques; communicate concepts, emotions, intentions; elements and principles of design; technology; independent research; self- directed sketchbook; critical analysis; aesthetics; art history; interdisciplinary connections. Visual Arts IV gives students the opportunity to work in areas of special interest in regard to media and theme.

Grade: 11, 12 **Credit:** 1.0

Prerequisite: Visual Arts Levels I, II and III

BAND

All courses offered in the Band Department qualify as a fine art credit.

MARCHING BAND—

CONCERT BAND—

INSTRUMENTAL MUSIC —PERCUSSION

SEMESTER 1— SEMESTER 2 Course is designed to extend students' technical skills and to provide students with a deeper understanding and appreciation of the study of music. Course content includes continued reinforcement of all basic fundamentals learned at earlier levels with intensified emphasis on technical skills and musical expression through concert band experience containing the full spectrum of available literature. Students will develop a thorough command of their instruments in terms of tone quality, intonation, technique, balance, musical interpretation, stage deportment, and overall musical effect. This class is required for all members of the marching band. The marching band performs at football games, local parades, and marching competitions.

Instrumental Music Semester 1 may also count as a PE credit.

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: Approval of band director

COLORGUARD- This class is designed for members of the JHS band color guard only. It allows this auxiliary group a chance for structured daily rehearsal. *This course will count as either a Fine Arts or P.E. credit.*

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: Audition and approval of band director

DANCE TEAM- This class is designed for members of the JHS band dance team only. It allows this auxiliary group a chance for structured daily rehearsal. *This course will count as either a Fine Arts or P.E. credit.*

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: Audition and approval of band director

CHORUS

All courses offered in the Choral Department qualify as a fine art.

MIXED CHORUS— This choir is for students interested in learning to sing. Students will learn basic vocal technique, the basics of reading music, and the basics of choral singing. There is not an audition and there are no after school rehearsals. This choir will perform a concert at the end of the semester and at some community events.

Grades: 9, 10, 11, 12 Credit: 1.0

Prerequisite: *None*

SHOW CHOIR— This choir is for students interested in exploring 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 issue, and self-reflection.

Grades: 9, 10, 11, 12 Credit: 1.0

Prerequisite: *Audition*

THEATRE

All courses offered in the Theater Department qualify as a fine art.

THEATRE S1

THEATRE S2

This course is designed to help the student gain an appreciation for the theatrical arts. It provides an introduction to the fundamentals of acting and play production. The student will have the opportunity to develop self-confidence, creativity, and self-expression skills through pantomime, improvisation, monologues, duo or group scenes, and one-act plays.

Grades: 9, 10, 11, 12 Credit: 1.0

Prerequisite: *Audition*

PHYSICAL EDUCATION & ATHLETICS DEPARTMENTS

BEGINNING KINESIOLOGY—NOTE: FULFILLS THE GRADUATION REQUIREMENT FOR LIFE PHYSICAL EDUCATION.

Individualized fitness plan for lifetime fitness.

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: *None*

PHYSICAL EDUCATION ELECTIVE

ADVANCED KINESIOLOGY—Advanced Kinesiology is an elective course that will cover 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 career related to health, fitness, and sports.

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: *Must have met LIFE PE requirement*

ATHLETICS - NOTE: FULFILLS THE GRADUATION REQUIREMENT FOR LIFE PHYSICAL EDUCATION.

Athletics Boys Baseball Semester 1 Fall —

Athletics Boys Baseball Semester 2 Spring —

Athletics Boys Basketball Semester 1 Fall —

Athletics Boys Basketball Semester 2 Spring —

Athletics Boys Football Semester 1 Fall —

Athletics Boys Football Semester 2 Spring —

Athletics Boys Wrestling Semester 1 Fall —

Athletics Boys Wrestling Semester 2 Spring —

Athletics Cheer Semester 1 Fall —

Athletics Cheer Semester 2 Spring —

Athletics Girls Basketball Semester 1 Fall —

Athletics Girls Basketball Semester 2 Spring —

Athletics Girls Softball Semester 1 Fall —

Athletics Girls Softball Semester 2 Spring —

Athletics Girls Volleyball Semester 1 Fall —

Athletics Girls Volleyball Semester 2 Spring —

Athletic Golf Male & Female —

Athletic Tennis Male & Female —

Athletics Conditioning Male Semester 1 Fall —

Athletics Conditioning Male Semester 2 Spring —

Athletics Conditioning Female Semester 1 Fall —

Athletics Conditioning Female Semester 2 Spring —

Grade: 9, 10, 11, 12 **Credit:** 1.0

Prerequisite: None

ATHLETIC TRAINER

Fall Spring

Course provides students with an overview of athletic training and sports medicine. Students are introduced to the athletic trainer's scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions.

Job shadowing is a component of this course and requires students to participate at numerous athletic venues on a weekly basis.

Grade: 9, 10, 11,12 **Credit:** 1.0

Prerequisite: *Application, interview, and acceptance into program by Adrienne Bosworth*

HEALTH—

Develops skill for accessing personal health information. Health Education (or Foundations of Health Science) is a required course for graduation. **It is recommended that Health be taken in the ninth grade.**

Grade: 9 **Credit:** 0.5

Prerequisite: None

ADDITIONAL ELECTIVES

None of these elective courses meet the requirement of three credits consisting of career tech, fine arts or foreign language courses. Students should fulfill that requirement before selecting these electives.

DRIVER AND TRAFFIC SAFETY EDUCATION—

Safe driving theory; in class study; driving hazards; boating safety; behind the wheel experience; safety practices and a practical application of traffic laws.

Grade: 10, 11, 12 **Credit:** 0.5

Prerequisite: *Students must have an Alabama Learner's Permit prior to taking course.*

YEARBOOK— 1st semester

YEARBOOK— 2nd semester

This course is designed to teach students basic yearbook layout and design. Focus will be placed on theme develop and yearbook layout. Students will be responsible for fundraising, working as a team, and completing layouts

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: *Permission of sponsor*

OFFICE AIDE- Students will be required to perform office duties such as sorting mail, copying, and delivering information to classrooms. A general service-oriented attitude toward faculty and students who need assistance in the office areas is essential.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: *2.5 GPA; No Class 2 or 3 Disciplinary Offenses; No more than 9 excessive absences in current school year; Signature of administrator*

GUIDANCE AIDE- Students will be required to perform office duties such as sorting mail, copying, and delivering information to classrooms. A general service-oriented attitude toward faculty and students who need assistance in the office areas is essential.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: *2.5 GPA; No Class 2 or 3 Disciplinary Offenses; No more than 9 excessive absences in current school year; Signature of counselor*

LIBRARY AIDE- Students will learn how materials in libraries are typically arranged, how to efficiently use common reference sources, and how to operate a variety of technological devices. Students will be expected to apply what they learn to their own assignments, to an authentic working environment, and to assist other students and faculty members in the use of resources available in the Media Center.

Grade: 10, 11, 12 **Credit:** 1.0

Prerequisite: 2.5 GPA; No Class 2 or 3 Disciplinary Offenses; No more than 9 excessive absences in current school year; Signature of librarian

ACCESS

ACCESS is an education initiative of the Alabama Department of Education which provides opportunities for students to engage in additional Advanced Placement (AP) courses and/or courses not currently offered at JHS. Courses are taught by certified teachers through an online course module where assignments, online texts and messages are posted. Students access the online courses in a computer lab during the assigned block in their school day schedule. Each computer lab is monitored by an ACCESS facilitator daily to assist students. Students considering ACCESS courses need to have a good work ethic and should also be comfortable using a computer and working on the Internet. To view current course offerings, visit the ACCESS website at <http://accessdl.state.al.us>. Please note that requesting an ACCESS elective does not guarantee the course as an option for the next school year.

COURSE FEE LISTING

Science Course Fees		Walker County Center of Technology	
AP Physics	\$25.00	Automotive Technology	\$35.00
Chemistry	\$20.00	Collision Repair	\$45.00
AP Chemistry	\$25.00	Cosmetology	\$55.00
PreAP Biology	\$25.00	Pre-Engineering/Drafting Design	\$60.00
AP Biology	\$25.00	Electrical Technology	\$45.00
Anatomy	\$20.00	Graphic Design	\$45.00
Environmental Science	\$10.00	Welding Technology	\$45.00
Earth & Space	\$10.00		
Art Course Fees			
Visual Art (All levels)	\$10.00		
Choir Fees			
Men's Choir	\$25.00		
Women's Choir	\$25.00		
Concert Choir	\$25.00		
Pheonix	TBD		
JHS School of Business			
Business Technology Application	\$30.00		
Advanced Business Technology Application	\$30.00		
Entrepreneurship	\$30.00		
Management Principles	\$30.00		
Multimedia Publications (Creative Media Design 1)	\$30.00		
Multimedia Design (Creative Media Design 2)	\$30.00		
JHS School of Culinary Arts			
Hospitality and Tourism	\$25.00		
Culinary Arts I	\$50.00		
Culinary Arts II	\$50.00		
Event Planning	\$30.00		
JHS School of Health Sciences			
Foundations of Health Sciences	\$35.00		
Therapeutic Services	\$35.00		
Health Science Internship	\$40.00		
Medical Terminology	\$25.00		
JHS School of Precision Machining			
Intro to Precision Machining	\$45.00		
Intro to Lathe	\$45.00		
Intro to Milling, Drill Press, and Surface Grinder	\$45.00		
Intermediate Lathe	\$45.00		
Intermediate Mill and Surface Grinder	\$45.00		
Intro to Computer Numerical Control	\$45.00		
Work-Based Learning (Cooperative Education)			
Cooperative Education Seminar/Work Based Experienc	\$50.00		

Advanced Placement Agreement 2023-2024

Last Name: _____ First: _____ M: _____

Student Cell #: _____ Student E-Mail: _____

Classification for 2023-2024 11th Grade: _____ 12th Grade: _____

Statement of Accountability:

I understand that Advanced Placement (AP) classes are the most rigorous courses offered at the high school level. I also understand that college-level work will be assigned and expected of me. I am electing to take the challenge of an AP class and will work to meet the challenge. I am committed to completing the AP courses during the 2023-2024 school year for which I have registered.

I am registering for the following AP courses in 2023-2024:

1.	4.
2.	5.
3.	6.

By signing this agreement, I understand and agree to the following conditions and expectations involved in taking AP classes at Jasper High School:

- I will remain enrolled in the class for the duration of the course.
- I understand the summer commitments of the class, and I will be prepared to turn in completed summer work assignments upon the teacher’s request.
- I will give every assignment my best effort and will respect and adhere to due dates.
- I understand that I am responsible for a course fee (if required) as well as the cost of taking the AP exam(s).

I affirm that I have read, understand, and agree to the stipulations of this agreement.

Student Signature

Date

Parent/Guardian Signature

Date

*This agreement should be completed and turned in with your course request sheet.

MIDYEAR COMPLETION OF HIGH SCHOOL

Students have the option of completing high school in December of their senior year. All regular graduation requirements must be met by December of the senior year including 28 credits and all required coursework. An interview with the principal to discuss plans after graduation is required. You are also asked to write a letter to Dr. Ann Jackson, Superintendent of Jasper City Schools, requesting to graduate midyear and explaining your reasons for this request. Attach the letter to this form.

To qualify, students must have a minimum of 24 credits that meet the required coursework as well as attain a "College or Career Readiness Indicator" **by the end of the student's junior year**. Students participating in early completion are allowed to participate in their graduation ceremonies, Senior Awards Day and may attend prom under conditions listed in the JHS Student Handbook. No student who completes in December will be allowed to participate in any other extracurricular activity or sport after December.

It is advised that students who are planning to attend college and are interested in applying for scholarships contact the colleges' admissions departments in order to determine how this decision may affect admissions and scholarship application dates and qualifications.

Students Name _____

What is your goal in seeking early completion of high school? _____

Please circle which of the following College & Career Readiness Indicators that you have already met.

COLLEGE AND CAREER READINESS INDICATORS

Alabama defines a student as college and career ready if the student earns **at least one** or a combination of the following six indicators:

- Benchmark score on any section of the ACT test
 - English-18
 - Math-22
 - Reading-22
 - Science-23
- Qualifying score on an AP exam
 - 3, 4, or 5
- Approved transcribed college or postsecondary credit while in highschool
- Benchmark level on the ACT WorkKeys.
 - Silver or above
- Accepted for enlistment into the military
- Approved industry credential (This occurs through career tech classes.)

If selecting an ACT score as your indicator, please print a copy of that ACT Score Report from your online account and attach to this form.

If selecting enlistment into the military, please attach proof of enlistment.

By signing this form, you are requesting early graduation and that you understand the requirements, believe that you have met those indicated, agree to uphold the guidelines and will seek guidance with the college regarding college and scholarship implications.

Student's Signature _____

I give permission for early graduation for my child and understand all requirements, guidelines and possible implications for college and scholarship admission and scholarships.

Parent's Signature _____

Principal's Approval _____

JHS - COURSE REQUEST

Last Name: _____ **First Name:** _____
Date: _____

Grade Level: 9th 10th 11th 12th

Alabama High School Diploma

Alabama High School Diploma
Advanced Endorsement

Alabama High School Diploma
Honors Endorsement

YOU MUST COMPLETE ALL REQUIREMENTS FOR EITHER THE DIPLOMA OR THE ADVANCED ENDORSEMENT. IF YOU ARE SEEKING THE HONORS ENDORSEMENT, YOU MUST ALSO MEET THE REQUIREMENTS LISTED TO THE RIGHT.

-Must include 10 Hon/AP/Dual Enrollment courses
 -Four of the 10 must be AP/DE credits

English:

English 9	
English 10	
English 11	
English 12	

English:

English 9	
English 10	
English 11	
English 12	

English:

Honors English 9	
Honors English 10	
AP English Lang. & Comp. 11	
AP English Lit & Comp. 12	

Social Studies:

World History 9	
US History to 1877 10	
US History 1877 to Present 11	
Government / Economics 12	

Social Studies:

World History 9	
US History to 1877 10	
US History 1877 to Present 11	
Government & Economics 12	

Social Studies:

Honors World History 9	
AP US History I 10	
AP US History II 11	
Government & Economics 12	

Science:

Biology 9	
Physical Science 10	
Environmental Sci. 11 or 12	

Science:

Biology 9	
Chemistry 10 or 11 (Prerequisite - Alg. I)	
Anatomy 10, 11 or 12	
Intro to Biotech 11 or 12	

Science:

Honors Biology 9	
Honors Chemistry 10 (Prerequisite - Alg. I)	
AP Biology 11 or 12	
AP Chemistry 11 or 12	
AP Physics 12	

Math:

Geometry 9	
Algebra I w/ Prob. 10	
Algebra II w/ Stats. 11	
Algebra w/ Finance 12	

Math:

Geometry Adv. 9	
Algebra 1 Adv. 10	
Algebra II w/ Stats., Adv. 11	
PreCalculus 12	

Math:

Honors Geometry 9	
Honors Algebra I w/ Prob. 9	
Honors Algebra II w/ Stats. 10	
Honors PreCalculus 11	
AP Calculus 12	

Other Required Courses:

Career Preparedness (.5)	
Beginning Kinesiology	

Other Required Courses:

Career Preparedness (.5)	
Beginning Kinesiology	

Other Required Courses:

Career Preparedness (.5)	
Beginning Kinesiology	

Health (.5) OR Found. of Health

Health (.5) OR Found. of Health (1)

Health (.5) OR Found. of Health (1)

---(May substitute Athletic PE, Marching Band, Show Choir, JROTC, etc. for PE)---

3 - Career Tech, Foreign Lang, and/or Fine Arts

1.	
2.	
3.	

3 - Career Tech, Foreign Lang, and/or Fine Arts

1. Spanish I (required)	
2. Spanish II (required)	
3.	

3 - Career Tech, Foreign Lang, and/or Fine Arts

1. Spanish I (required)	
2. Spanish II (required)	
3.	

List any failed courses:

List any alternative course not listed:

If it is necessary to drop a course Which would you prefer?

Student Signature: _____
Parent Signature: _____

Date: _____
Date: _____

Electives:			Athletics: (tryouts required)			Other Electives:		
Marching Band	Show Choir		Adv. Kinesiology	Volleyball		Personal Fin. (.5)	Driver's Ed (.5)	
Concert Band	Concert Choir		Basketball	Softball		Psychology (.5)	Yearbook	
Percussion	VA Visual Arts		Athletic Trainer	Baseball		Sociology (.5)	Co-Op	
Colorguard	Theatre		Football	Cheerleading		Spanish I	Spanish 2	
Dance Team			Wrestling	Tennis				

Career and Technical Education: Jasper High School (Courses must be taken in listed sequence)

Health Science:		JROTC:		STEM Computer Science & Engineering	
Foundations of Health Science		9 th LET I & JROTC 1b		Applications of Engineering & Tech.	
Therapeutic Services		10 th LET II & JROTC 2b		Intro. to Engineering Design PLTW	
Medical Terminology		11 th LET III & JROTC 3b		Principles of Engineering PLTW	
Health Science Internship (by approval)		12 th LET IV & JROTC 4b		Intro to Computer Science TEALS	
				Computer Science A, AP	
				Cybersecurity	
Health Science add ons:		Hospitality & Tourism:		Business Management:	
Sports Medicine Advanced (optional)		Foundations of Hospitality & Tourism		Business Software Applications 1	
Sports Medicine Fund. (optional)		Culinary Arts I		Business Software Applications 2	
		Culinary Arts II		Digital Media Publications	

Career and Technical Education: WCCT & Incubator (JHS) ~Students must apply, be accepted, and take courses in sequence~

Precision Machining:		Welding Technology:		Automotive Technology:	
Intro. to Precision Machining		Architecture, Construction, & Manufacturing		Maintenance and Light Repair A	
Intro. to Lathe		NCCER Welding 1		Maintenance and Light Repair B	
Intro. to Milling, Drill Press		NCCER Welding 2		Maintenance and Light Repair C	
Inter. Lathe & Bench Work		NCCER Welding 3		Maintenance and Light Repair D	
Inter. Mill and Surface Grinder		NCCER Welding 4		Automotive Service Technology A	
Intro. to Computer Numerical Control		Senior Career Pathway Project		Senior Career Pathway Project	
Drafting/ Pre-Engineering:		Electrical Technology:		Collision Repair:	
Intro. Drafting Design		Architecture, Construction, & Manufacturing		Painting and Refinishing 1	
Advanced Drafting Design		NCCER Electrical Technologies 1		Painting and Refinishing 2	
Three-Dimen. Solid Model Design		Utility Line Worker Foundation		SA Damage Repair	
Intro. Architectural Design		NCCER Electrical Technologies 2		Painting and Refinishing 3	
Interior Design I		CTE Lab		Lab in Transportation, Dist., & Logistics	
Interior Design II		Senior Career Pathway Project		Senior Career Pathway Project	
Graphic Design:		HVAC:		Diesel:	
Foundation Arts, A/V Tech & Communication		Architecture, Construction & Manufacturing		Diesel Technology A	
Intro to Graphic Arts		NCCER HVAC 1		Diesel Technology B	
Graphic Illustrations		NCCER HVAC 2		Diesel Technology C	
Digital Design		NCCER HVAC 3		Diesel Technology D	
Intro to Advertising Design		CTE Lab		CTE Lab	
Senior Career Pathway Project		Senior Career Pathway Project		Senior Career Pathway Project	
Cosmetology:		Academic Dual Enrollment			
Intro to Cosmetology		Weighted:		Unweighted:	
Chemical Services		MTH 112-PreCal Alg.		PSY 200-General Psychology	
Intro to Nail Care & Application		MTH 113-PreCal Trig.		ART 100-Art Appreciation	
Hair Coloring		MTH 125-Calculus		MUS 101-Music Appreciation	
Intro to Spa Techniques		ENG 101-English 101		SPH 107-Fundamentals of Speech	
Advanced Spa Techniques		ENG 102-English 102		Other:	
		HIS 201-US History I		Other:	
		HIS 202-US History II		Other:	

Career Technical Dual Enrollment (please circle)		
Jasper Campus: Welding Technology Machine Tool Technology	Sumiton Campus: Air Conditioning & Refrigeration Industrial Electrical Technology Vehicle Technology & Repair	Salon & Spa Management Electrical Systems Tech. Emergency Medical Services