

# C. LEON KING HIGH SCHOOL

*2023-2024 Curriculum Guide*



**MANY LIONS, ONE PRIDE!**

# Table of Contents

HCPS Student Progression Plan.....	<a href="https://www.hillsboroughschools.org">HCPS Student Progression Plan (hillsboroughschools.org)</a>
KHS Administration and Support Services.....	3
Graduation Requirements.....	4
Semester Grade Calculation.....	5
<b>Courses</b>	
English Language Arts / Reading.....	6
Mathematics.....	8
Science.....	10
Social Studies.....	12
World Language.....	15
Physical Education.....	16
Performing Arts.....	16
AVID.....	18
<b>Career and Technical Programs</b>	
Academy of Finance.....	19
Culinary.....	20
Customer Service.....	21
Cybersecurity.....	21
Early Childhood Education.....	21
Gaming, Simulation, Animation Visual Design.....	22
JROTC / Naval Science.....	23
On the Job Training (OJT).....	23
2023-2024 Course Selection Sheet* .....	24

*\*Course selection (programming) will be conducted online through English classes using an electronic form. However, we strongly encourage students and families to use the paper course selection sheet as a guide when selecting classes.*

## Mission

*King High School will support all students' growth as critical thinkers, global citizens and informed decision makers.*

## Vision

*Our vision is to become a community which demonstrates the principles of P.R.I.D.E. (Positivity, Respect, Integrity, Determination and Excellence)*

### **KHS Administration**

Arlene Castelli, Principal

Meghann Barnes, Assistant Principal for Curriculum

Ebony Robinson, Assistant Principal for Administration

Jan Gilliland, Assistant Principal for Student Affairs

Aundrey Johnson, Assistant Principal for Student Affairs



### **Certified School Counselors**

Tracy Thompson, Dept. Chair (S-Z)

Erline Ruff (A-G)

Stephanie Arnold (H-R)

Mesha Stubbs, IB Counselor

**Graduation Requirements Chart**

<b>Subject Area</b>	<b>Graduation Requirements of 24-credit "STANDARD" Diploma</b>	<b>Graduation Requirements of 18-credit "ACCEL" Diploma Option</b>
English	4 credits in English Language Arts	4 credits in English Language Art
Mathematics	4 credits in Mathematics <ul style="list-style-type: none"> <li>• 1 credit must be Algebra 1</li> <li>• 1 credit in Geometry</li> <li>• 2 additional courses – 2 credits may be substituted with allowable industry certification courses that lead to college credit.</li> </ul>	4 credits in Mathematics <ul style="list-style-type: none"> <li>• 1 credit must be Algebra 1</li> <li>• 1 credit in Geometry</li> <li>• 2 additional courses – 2 credits may be substituted with allowable industry certification courses that lead to college credit.</li> </ul>
Science	3 credits in Science <ul style="list-style-type: none"> <li>• 1 credit in Biology 1</li> <li>• 2 credits in an equally rigorous course, 2 or 3 credits must have a lab. One credit may be substituted with allowable industry certification leading to college credit</li> </ul>	3 credits in Science <ul style="list-style-type: none"> <li>• 1 credit in Biology 1</li> <li>• 2 credits in an equally rigorous course, 2 of 3 credits must have a lab. One credit may be substituted with allowable industry certification leading to college credit</li> </ul>
Social Studies	3 credits in Social Studies <ul style="list-style-type: none"> <li>• 1 credit in World History</li> <li>• 1 credit in US History</li> <li>• ½ credit in Government</li> <li>• ½ credit in Economics</li> </ul>	3 credits in Social Studies <ul style="list-style-type: none"> <li>• 1 credit in World History</li> <li>• 1 credit in US History</li> <li>• ½ credit in Government</li> <li>• ½ credit in Economics</li> </ul>
World Language	Not required for graduation, but required for admission into state universities	Not required for graduation, but required for admission into state universities
Fine and Performing Arts, Speech and Debate, or Practical Arts	1 credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (Eligible courses specified in the State Course Code Directory, located on the FLDOE website.)	1 credit in fine or Performing Arts, Speech and Debate, or Practical Arts (Eligible courses specified in the State Course Code Directory, located on the FLDOE website.)
Physical Education	1 credit in Physical Education to include the integration of health	Not Required
Electives	8 credits in Electives	3 credits in Electives
On-line Requirement	1 course (can be either a semester or yearlong course credit; if yearlong course is selected, the entire course must be completed to satisfy requirement)	Not Required
<b>Total</b>	<b>24 credits</b>	<b>18 Credits</b>
Industry Certification Requirement	None Required	None Required
Grade Point Average (GPA) Requirement	Cumulative State (unweighted) GPA of 2.0 on a 4.0 scale	Cumulative State (unweighted) GPA of 2.0 on a 4.0 scale
State Assessment Requirement	Students MUST PASS: <ul style="list-style-type: none"> <li>• Grade 10 FSA ELA (or concordant score)</li> <li>• Algebra 1 EOC (or comparative score)</li> </ul>	Students MUST PASS: <ul style="list-style-type: none"> <li>• Grade 10 FSA ELA (or concordant score)</li> <li>• Algebra 1 EOC (or comparative score)</li> </ul>

**Semester Grade Calculation Chart Including an Exam Grade**

This calculation applies to semester courses requiring a final exam or EOC. A final semester grade is calculated by a combination of two-quarter grades and a district, scaled semester exam. To pass a course and be awarded credit, a student must earn a passing grade on at least two of the three grades.

Final Semester Grade Calculations with Exam Weighted 25%		
Quarter Grade Combinations	Exam Grade (25%)	Final Grade
A, A	A, B, C	A
A, A	D, F	B
A, B	A	A
A, B	B, C, D, F	B
A, C	A, B, C, D	B
A, C	F	C
A, D	A, B	B
A, D	C, D, F	C
A, F	A	B
A, F	B, C, D	C
A, F	F	F
B, B	A, B, C, D	B
B, B	F	C
B, C	A, B	B
B, C	C, D, F	C
B, D	A	B
B, D	B, C, D, F	C
B, F	A, B, C	C
B, F	D	D
B, F	F	F
C, C	A	B
C, C	B, C, D, F	C
C, D	A, B, C	C
C, D	D, F	D
C, F	A, B	C
C, F	C, D	D
C, F	F	F
D, D	A, B	C
D, D	C, D, F	D
D, F	A, B, C, D	D
D, F	F	F
F, F	A, B, C, D, F	F

Final Semester Grade Calculations with Exams Weighted 30%		
Quarter Grade Combinations	Exams/EOCs (30%)*Applied Both Semesters	Final Grade
A, A	A, B	A
A, A	C, D, F	B
A, B	A	A
A, B	B, C, D	B
A, B	F	C
A, C	A, B, C	B
A, C	D, F	C
A, D	A, B	B
A, D	C, D, F	C
A, F	A	B
A, F	B, C, D	C
A, F	F	F
B, B	A, B, C	B
B, B	D, F	C
B, C	A, B	B
B, C	C, D, F	C
B, D	A	B
B, D	B, C, D	C
B, D	F	D
B, F	A, B, C	C
B, F	D	D
B, F	F	F
C, C	A	B
C, C	B, C, D	C
C, C	F	D
C, D	A, B, C	C
C, D	D, F	D
C, F	A, B	C
C, F	C, D	D
C, F	F	F
D, D	A, B	C
D, D	C, D, F	D
D, F	A	C
D, F	B, C, D	D
D, F	F	F
F, F	A, B, C, D, F	F

A student who does not take a required exam will receive an "I" grade for a district exam or a "NG" for an EOC exam. Refer to *High School, Semester Exams* and *End of Course Exam* sections for additional information.

## **ENGLISH LANGUAGE ARTS / LITERACY**

The units of instruction for Level I-IV are focused on the academic skills in reading and writing, collaborating and presenting that are needed to prepare students for success in college and beyond.

### **ENGLISH I (H)**

*1 Credit      Grade 9*

This is the foundational class for freshman within the English department. This course is an introduction to literature. Poetry, short stories, drama, novels, and nonfiction will be thoroughly explored during the year. Students will be introduced to authors from Shakespeare to Lee. In addition to these topics, writing will play an important part in this course's curriculum. The writing process and different styles and genres of composition will be taught. Finally, this course will help prepare students to take and successfully pass the reading and writing portion of the state assessment test.

### **ENGLISH I THROUGH ESOL**

*1 Credit      Grade 9*

This course helps students acquire English as a second language through listening, viewing, speaking, reading, and writing. This language-based curriculum is supplemented with grade appropriate grammar and literature while addressing the needs of the individual student. Real life topics help students develop both language and critical thinking skills. Studies of holidays, entertainment, and social issues help students become acclimated to our national culture. Course requirements include the benchmarks from the Florida State Standards.

### **ENGLISH II (H)**

*1 Credit      Grade 10*

A sophomore English credit, this course continues the curriculum begun in the ninth grade. At this level, literature is focused around writings from all over the world. The Western and Non-Western traditions of fiction, poetry, drama, and nonfiction will be fully explored. Again, a strong emphasis will be placed on writing, and written proficiency will be a high priority for all students. This class will help prepare students to

take and pass the reading and writing sections of the state assessment test, a graduation requirement in the state of Florida.

### **ENGLISH II THROUGH ESOL**

*1 Credit      Grade 10*

Students are provided integrated educational experiences in listening, viewing, speaking, reading, and writing in order to gain language proficiency and independence in effective communication. The application of skills and strategies increases in complexity, as needed for the language proficiency of the individual student. Literature selections by American and British authors parallel those included in the high school curriculum. This course meets benchmark graduation requirements and is designed to provide students with skills for employment and college entrance.

### **ENGLISH III (H)**

*1 Credit      Grade 11*

This class at the junior level is focused primarily on the literature of the United States and the American Dream. Throughout the year, students study material from the colonial period to the modern era. Novels, plays, short stories, poetry, and nonfiction will be analyzed and explored. At the junior level, English plays an important role in preparing students for their final year in high school and beyond. Regardless of plans for post-secondary school, junior English begins to work on the communication skills needed within the modern workplace.

### **ENGLISH III THROUGH ESOL**

*1 Credit      Grade 11*

This course is offered for students who are developing and improving skills in English as a second language, this course offers strategies for effective communication through word study, informative, technical, and literary texts, grammar usage, viewing techniques, and the development of writing skills. Needs of individual language proficiencies are met as experiences and literary selections by American authors parallel the high school curriculum for juniors

## **ENGLISH IV (H)**

*1 Credit            Grade 12*

During a student's senior year the English course focuses on the study of literature through critical perspectives. From this perspective, students will study Shakespeare to the modern poets of the world. Composition skills, grammar, novels, poetry, short stories, and drama will all be covered. The instructor's focuses will strongly remain in preparing student for life after secondary school. Whether college, military, or the work force, the skills necessary to achieve a student's full potential will be covered.

## **ENGLISH IV THROUGH ESOL**

*1 Credit            Grade 12*

The purpose of this course is to provide whole language experiences for senior students who are native speakers of languages other than English. The research process, techniques for analyzing information and communication in formal and informal situations are included. Emphasis is placed on style and format in writing critical and aesthetic responses to British and world literature, and effective communication in the academic setting and the workplace. Graduation requirements and benchmarks from the Florida State Standards are met as the senior high school curriculum is paralleled.

## **AICE ENGLISH LANGUAGE**

*1 Credit            Grade 12*

Cambridge International AS Level English Language provides learners with opportunities to make critical and informed responses to a wide range of texts. Learners will also demonstrate their ability to produce writing to specific briefs and for given audiences. Cambridge International A Level English Language learners will also develop a strong foundation in the study of linguistics, focusing on language change, child language acquisition, English in the world, and language and the self

## **AICE GENERAL PAPER**

*1 Credit            Grade 10-12*

Learners consider topics within local and international contexts. Learners should be able to

draw upon knowledge and understanding gained from studying other subjects. Through the study of these broad topic areas, learners develop effective reading and writing skills in English. They work with information, ideas, and opinions. They analyze and evaluate opinions and ideas. They also learn how to build an argument. These skills are all highly transferable and will help learners in other subjects they are studying, and equip them for higher education or employment

## **AP LANGUAGE AND COMPOSITION\***

*1 Credit            Grade 11*

Recommendations: Test scores, grades, teacher recommendation

This course provides a study of a variety of non-fiction materials such as essays, letters, diaries, autobiographical sketches, and more with a focus on the modes of discourse and the recognition of rhetorical strategies. Purpose: Provide the student with college level curriculum and writing instruction.

## **AP LITERATURE AND COMPOSITION\***

*1 Credit            Grade 12*

Recommendations: Test scores, grades, and teacher recommendation

Study of various types of British, American, and international literature including novels, poetry, drama and short stories. Students will develop critical standards for the appreciation of literature and learn how to write analytically about literary techniques. Purpose: Provide the student with college level curriculum and writing instruction.

## **CREATIVE WRITING\*\***

*.50 credit            Grades 9-12*

This course develops students' writing and language skills needed for individual expression in literary forms. The content includes instruction in the development and practice of a variety of writing genres like poetry, short stories, and plays.

## **INTENSIVE READING I-IV**

*1 Credit            Grade 9-12*

According to score FSA ELA, continue the development of student reading skills. The content

includes, but is not limited to, instruction in vocabulary, comprehension (literal, inferential, and evaluative). Various study skill and test-taking strategies examine and individual methods suiting each student should be developed. Guided instruction will be provided for various purposes of reading, including literature, informational textbooks, newspapers, applications, practice tests, and editorials. The development of reading as an independent activity will be emphasized.

### **JOURNALISM I (YEARBOOK)**

*1 Credit      Grades 9-10*

Instruction in basic aspects of journalism and workshop experiences in journalistic production. Additionally, instruction in recognizing and writing news for journalistic media; developing editorials, sports articles, and feature stories; the history and traditions of journalism; experiences in photography, layouts, advertising, printing, and aspects of a journalistic enterprise.

\*Meets performing arts requirement

### **AICE MEDIA STUDIES**

*1 Credit      Grades 10-12*

This area of study explores the relationships between video, digital technologies and creative expression in physical and online environments. It can include animation – either hand-drawn, stop frame or digital. It could also cover moving elements in web-based products and digital film-making. You can structure a course that focuses on any of these forms of expression depending on the technology and resources available.

### **SPEECH\*\***

*.50 Credit      Grades 9-12*

Speech class is all about learning the art of public speaking. Some speaking assignments will be more traditional in nature (one person speaking to a group about a serious topic), whereas some will be more creative and even silly. One guarantee: at the end of this course, students will have the tools to create an effective presentation for a variety of occasions, a skill which is invaluable in the “real world.”

### **YEARBOOK - JOURNALISM II - VIII**

*1 Credit      Grades 10-12*

Prerequisite: Journalism I and Teacher Recommendation

Practical experience in news gathering techniques and practice in journalistic writing, and opportunities to explore careers in journalism. Practice In the preparation of materials for publication in journalistic media will occur within a workshop setting.

### **MATHEMATICS**

#### **ALGEBRA 1A**

*1 Credit      Grade 9*

This course covers the first half of Algebra 1. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend.

#### **ALGEBRA 1B**

*1 Credit      Grade 9*

This course covers the second half of Algebra 1. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions.

#### **ALGEBRA I \***

*1 Credit      Grade 9*

Provide a rigorous in-depth study of algebra, emphasizing deductive reasoning skills as a foundation for more advanced mathematics courses and to develop the skills needed to solve mathematical problems. Topics: Operations and properties used within the real number system, algebraic and graphical solutions to first-degree equations and inequalities using one or two variables;

relations and functions; direct and inverse variation; rational and irrational algebraic expressions; quadratic equations; inequalities and functions. ***\*Passing End of Course (EOC) exam required for graduation.***

### **GEOMETRY\***

*1 Credit Grades 9-12*

Prerequisite: Algebra I

Emphasize critical thinking involving the discovery of relationships and their proofs and skill in applying the deductive method to mathematical situations. Topics include logic and reasoning; the study of Euclidean geometry of lines, planes, angles, triangles; similarity; congruence; geometric inequalities; polygons and circles; area and volume; and constructions. ***\*End of Course (EOC) exam required for completion.***

### **GEOMETRY HONORS\***

*1 Credit Grades 9-10*

Prerequisite: Algebra I or Algebra I Honors with “C” or above.

Rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. Topics include structure of geometry; separation properties; angle concepts; triangles; quadrilaterals; proofs; perpendicularity and parallelism in a plane and in space; similar polygons; circles and spheres; constructions; area and volume; coordinate geometry, and topology. ***\*End of Course (EOC) exam required for completion.***

### **ALGEBRA II**

*1 Credit Grades 9-12*

Prerequisite: Geometry or Geometry Honors with “C” or above.

Study of the structure of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. Topics: Review and extension of the structure and properties of the real number system; relations, functions and graphs; polynomials and rational expressions; quadratic equations and inequalities; polynomial functions; rational and irrational exponents; logarithms; complex numbers; and word problems.

### **ALGEBRA II HONORS**

*1 Credit Grades 9-12*

Prerequisite: Geometry Honors, with “C” or above, teacher recommendation.

Present an in-depth study of the] topics of Algebra II with emphasis on theory, proof, and development of formulas, as well as their application. Topics include algebraic structure; first-degree equations in one and two variables solved algebraically and graphically; systems of equations and inequalities; functions and relations; polynomials and equations; sequences and series; permutations, combinations and probability; and matrices.

### **MATH FOR COLLEGE ALGEBRA (MCA)**

*1 Credit Grades 10-12*

Prerequisite: Geometry regular or honors with teacher recommendation.

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

### **PRECALCULUS**

*1 Credit Grades 10-12*

Prerequisite: Algebra II Honors with “B” or above. Study mathematics using functions as a unifying theme. Content: Polynomial and rational functions, statistical and probability functions, exponential and logarithmic functions, and trigonometric and circular functions. Special Note: This course is designed to follow Algebra II or Algebra II Honors. Credit in this course precludes a Credit in Trigonometry.

## **AP CALCULUS AB**

*1 Credit*      *Grades 11-12*

Prerequisite: Precalculus with teacher recommendation OR Algebra 2 Honors with A's and teacher recommendation.

Explore the concepts, methods, and applications of differential and integral calculus. You'll work to understand the theoretical basis and solve problems by applying your knowledge and skills. Topics covered include: limits, techniques of differentiation, applications of differentiation, antiderivatives and integrals, techniques of integration, and elementary differential equations.

## **AP CALCULUS BC**

*1 Credit*      *Grades 11-12*

Prerequisite: AP Calculus AB

Purpose: Explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. You'll perform experiments and investigations and solve problems by applying your knowledge and skills. Topics covered include: all topics from AP Calculus AB plus advanced techniques of integration, logistic growth, parametric equations, polar coordinates, vector-valued functions, and infinite sequences and series.

## **AP STATISTICS**

*1 Credit*      *Grades 11-12*

Prerequisite: Algebra I, Algebra II or Honors w/B or above and teacher recommendation

Learn about the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. You'll explore statistics through discussion and activities, and you'll design surveys and experiments. Topics covered include exploring one and two variable data, collecting data, probability, sampling distributions, and inference for quantitative and categorical data.

## **AP COMPUTER SCIENCE PRINCIPALS**

*1 Credit*      *Grades 9-12*

Prerequisite: Algebra 1 with C or higher

The AP Computer Science Principles course is designed to be equivalent to a first-semester

introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop effective computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.

## **AP COMPUTER SCIENCE A**

*1 Credit*      *Grades 9-12*

Prerequisite: Algebra 1 with C or higher

AP Computer Science A is an **introductory college-level computer science course**. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

## **SCIENCE**

### **ENVIRONMENTAL SCIENCE**

*1 Credit*      *Grade 9*

Environmental Science focuses on the study of how humans use their natural environment to meet society's needs, the impacts on the environment that humans cause and how humans cope with those environmental impacts. Specific topics covered will include how ecosystems are structured and function, conservation, human overpopulation, resource depletion and management, non-renewable and renewable resources, and the pollution of air, water, and land. Students will explore actual case studies, learning that political and private decisions about the environment and the use of resources require accurate application of the scientific process, including proper data collection and responsible conclusions. The curriculum is designed to prepare students for success

in AP Environmental Science and other related courses. Successful completion of Biology is considered a prerequisite.

## **BIOLOGY**

*1 Credit      Grade 10*

To provide exploratory experiences and laboratory and real-life applications in the biological sciences. Topics include the nature of science, matter, energy, and chemical processes of life cells: biology, reproduction, and communication, genetics: principles, molecular basis, diversity, and biotechnologies, levels of organization, classification, and taxonomy structure, function, and reproduction of plants, animals, and microorganisms, behavior of organisms, interdependence of organisms, humans, and the environment, biological selection, adaptations, and changes through time.

## **BIOLOGY I HONORS**

*1 Credit      Grade 10*

Provide advanced exploratory experiences and activities in the fundamental concepts of life. This course expands the biological concepts that were introduced earlier and refines these concepts and presents additional facts, concepts and generalizations. Content includes scientific method, scientific measurement, laboratory safety and use of laboratory apparatus, biochemistry, cell biology, cell reproduction, genetics, biological changes through time, classification and taxonomy, microorganisms, and disease, structure and function of plants, structure and function of animals, human anatomy and physiology, and ecological relationships.

## **CHEMISTRY I**

*1 Credit      Grades 10-12*

It provides students with the study of the composition, properties and changes associated with matter.

Content includes classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gasses, acids, bases, and salts and energy associated with physical and chemical changes. The students will be performing laboratory experiments.

## **CHEMISTRY I HONORS**

*1 Credit      Grades 10-12*

Provide students with a rigorous study of the composition, properties and changes associated with matter. Content includes heat, changes of matter, atomic structure, periodic table, bonding, formulas and equations, mole concept, gas laws, energy and order, reaction rates and equilibrium, solutions, acids, bases, salts, nuclear chemistry, electrochemistry, and organic chemistry. The students will also be performing a series of laboratory experiments.

## **ANATOMY AND PHYSIOLOGY (HONORS)**

*1 Credit      Grades 11-12*

Prerequisites: Biology I Honors with a “C” or its equivalent.

Provides students with general and advanced activities in the structures and functions of the components of the human body. Content includes anatomical terminology, cells and tissues, integumentary system, skeletal system, muscular system, nervous system, special sensory organs, endocrine system, circulatory system, respiratory system, digestive system, excretory urinary system, reproductive system, homeostasis, disease process, immune response, and inheritance: molecular, cellular, organismal; mutations and genetic disorders.

## **AP ENVIRONMENTAL SCIENCE**

*1 Credit      Grades 11-12*

Prerequisites: Biology

Provide college level course work in environmental science and to prepare the student to seek credit and/or appropriate placement in college biological sciences. Content includes study of the biosphere, its biotic and abiotic components; ecosystems of the world; bio geologic cycles; and current environmental issues. Specific AP laboratory activities are course requirements.

## **FORENSIC SCIENCE**

*1 Credit      Grades 9-12*

Forensic Science is an advanced, high school elective course designed to provide students with hands-on experiences in various aspects of a criminal investigation. Science content and Engineering,

Technology, and the Application of Science objectives are integrated as students ask questions and define problems, develop and use models, plan and conduct investigations, analyze and interpret data, construct explanations and design solutions as they consider crime scenes, evidence, and protocol. As students demonstrate proficiency in evidence collection–maintenance of data integrity, formulation of a conclusion/summary, and succinct communication of findings—they prepare for forensic-related careers and other occupational opportunities in science, technology, engineering, and math.

### **MARINE SCIENCE**

*1 Credit      Grades 10-12*

This course embarks on a study of the Marine environment and organisms. This course also does the most dissections!

### **AICE MARINE SCIENCE**

*1 Credit      Grades 9-12*

Acquire knowledge and understanding and develop practical skills, including efficient, accurate and safe scientific practices. Learn to apply the scientific method, while developing an awareness of the limitations of scientific theories and models. Develop skills in data analysis, evaluation and drawing conclusions, cultivating attitudes relevant to science such as objectivity, honesty, enquiry and inventiveness. Develop effective scientific communication skills, using appropriate terminology and scientific conventions. Understand their responsibility to others/society and to care for the environment

### **PHYSICS I HONORS**

*1 Credit      Grades 11-12*

Prerequisites: Trigonometry/Pre-Calculus

An introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. Content includes Newton's Laws of motion, gravity on Earth and beyond, speed and velocity of moving objects like bullets and rockets, the many forms of energy, electricity and magnetism, the optics of lenses and mirrors and career opportunities.

## **SOCIAL STUDIES**

### **PRE-AP WORLD GEOGRAPHY**

*1 Credit      Grade 9*

The Pre-AP World History and Geography areas of focus prioritize the skills fundamental to the study of history and geography in high school, Advanced Placement®, and beyond. This gives students multiple opportunities to think and work like historians and geographers as they develop and strengthen these disciplinary reasoning skills throughout their education in history and the social sciences.

### **AP HUMAN GEOGRAPHY**

*1 Credit      Grade 9*

Recommendations: counselor recommendations.

Introduce the systematic study of patterns and processes that have shaped human understanding, use and alteration of earth's surface. Content includes spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

### **WORLD HISTORY**

*1 Credit      Grade 10*

Acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that affected humanity.

### **WORLD HISTORY HONORS**

*1 Credit      Grade 10*

Acquire a comprehensive understanding of the past in terms of what has been interpreted about change or process as it relates to the development of humanity. This is done by analyzing the political, economic, social, religious, military, dynastic, scientific, and cultural events that have shaped and molded humanity. Implicit in this is an understanding of interpretation, and the issues of external and internal validity

## AP WORLD HISTORY

1 Credit      Grade 10

Recommendations: AP Human Geography Teacher, Leadership teacher, and Counselor recommendations

Highlights six overarching themes that should receive approximately equal attention throughout the course beginning with the Foundation section: (1) Impact of interaction among major societies trade, systems of international exchange, war, and diplomacy. (2) The relationship of change and continuity across the world history periods covered in this course. (3) Impact of technology and demography on people and the environment. (4) Systems of social structure and gender structure. (5) Cultural and intellectual developments and interactions among and within societies. (6) Changes in functions and structures of states and in attitudes toward states and political identities, including the emergence of the nation-state. The course helps students put what is particular about each period of society into a larger framework, and also provides ways to make comparisons over time. Meets World History requirement.

## UNITED STATES HISTORY\*

1 Credit      Grade 11

Acquire an understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of our nation. **\*End of Course (EOC) exam required for completion.**

## UNITED STATES HISTORY HONORS

1 Credit      Grade 11

Prerequisite: World History Honors, teacher recommendation

An in-depth study of American history from colonization to the contemporary issues that face American citizens. The emphasis is on developing an understanding of American Life and attitudes today by looking at our political, social, and economic past. **\*End of Course (EOC) exam required for completion.**

## AP UNITED STATES HISTORY\*

1 Credit      Grades 11-12

Prerequisite: World History Honors, AP World History, and Teacher Recommendation

Develops the analytic skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. This is done by focusing on persistent themes and change in history and by applying historical reasoning to seek solutions to contemporary problems. Meets US History requirement. **\*End of Course (EOC) exam required for completion.**

## UNITED STATES GOVERNMENT AND UNITED STATES GOVERNMENT HONORS

.50 Credit      Grade 12

Honors Prerequisite: Teacher recommendation  
Acquire an understanding of American Government and political behavior. Content includes analysis of the founding documents of American political traditions: The Declaration of Independence, The Constitution, and the Bill of Rights.

## AP UNITED STATES GOVERNMENT AND POLITICS

.50 Credit      Grade 12

Recommendation: Teacher/Counselor

A critical perspective on politics and government in the United States. Interpreting American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and the ideas that make up the American political reality. Content includes Federalism and the separation of powers; the development of the Constitution; the process of politics; the nature of public opinion; the role of political parties and interest groups; the major formal and informal institutional arrangement of powers; and the development of civil liberties and civil rights. Meets American Government requirements for graduation.

## ECONOMICS AND ECONOMICS HONORS

.50 Credit      Grades 12

This course provides students with the opportunity to acquire an understanding of the way in which society organizes its limited resources to satisfy unlimited

wants. Students will be introduced to the major characteristics of the mixed market economic system in the United States and how the basic economic questions are answered.

### **AFRICAN AMERICAN HISTORY**

*.50 Credit      Grades 10-12*

This course is a study of the African-American experience and their continued struggle for political, educational, and economic equality. Students will examine the nature and effects to African-American society wrought by slavery, the Civil War, Reconstruction, Industrialization, the Civil Rights Movement, and social change through the 21st Century. The course addresses the themes of change and continuity in the black experience, the struggles against inequality, and post-civil developments. Emphasis is placed on the contributions of African Americans in the development of an industrialized United States as well as their place in the historical record.

### **THE HISTORY OF THE HOLOCAUST**

*.50 Credit      Grades 10-12*

The purpose of this course is to examine the events of the Holocaust. A further purpose of this course is to enable students to understand their connection to the development of civilization by examining the past to prepare for their future as participating members of a global community.

### **AP MACROECONOMICS**

*.50 Credit      Grade 11-12*

Recommendation: Teacher/Counselor

Provide knowledge and decision-making tools necessary for understanding how a society organizes its limited resources to satisfy its unlimited wants. Fundamental economic concepts including scarcity, opportunity costs and trade-offs, productivity, economic systems and institutions, money and interdependence analysis of gross national product, aggregate supply and demand, unemployment, inflation and deflation, monetary policy, fiscal policy and international economics.

Meets Economics graduation requirement.

### **AP MICROECONOMICS**

*.50 Credit      Grade 11-12*

Recommendation: Teacher/Counselor

The purpose of an AP course in economics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

### **PSYCHOLOGY I**

*.50 Credit      Grades 10-12*

An overview of the theories and methods employed by psychologists to include human growth and behavior, development, intelligence, conditioning and learning, memory and stress. Emphasis will be on normal/abnormal personalities, neuroses and psychoses, and will include an examination of M.P.D, schizophrenia, paranoia and manic depression.

### **PSYCHOLOGY II**

*.50 Credit      Grades 10-12*

Prerequisite: Psychology I

Expand understanding of human behavior, behavioral interaction, and the progressive development of individuals. Concepts include recognizing the types of descriptive and inferential statistics, understand how information is stored and retrieved, understand the functions of sensing and perceiving, recognize the prevalence of stress in society, understand the role of adjustment in society, understand the theories of human interaction, and utilize the appropriate vocabulary.

### **AICE PSYCHOLOGY**

*1 Credit      Grades 10-12*

Prerequisites: AP and Honors History with teacher and counselor recommendations

The core studies illustrate a wide range of research methods used in psychology, such as experiments, self-reports, case studies, observations, correlations and longitudinal studies. By exploring the relationship between the content of the study and the research

methods, candidates will gain a broad understanding of how psychologists study experiences and behaviors and why the research took place

### **AICE THINKING SKILLS**

*1 Credit Grades 9-12*

The Thinking Skills subject content is divided into two parts, Problem Solving and Critical Thinking. The subject content is the same for AS & A Level. The difference between AS Level and A Level is determined by the demand of the assessment tasks. Problem Solving is about making use of the information available to deduce further information, draw conclusions and make choices and decisions. Critical Thinking is about judging the value or usefulness of evidence and understanding how sound arguments are constructed. Students will encounter a broad variety of topics, often reflecting real-world situations or subjects of debate.

## **WORLD LANGUAGES**

### **SPANISH I**

*1 Credit Grades 9-12*

Introduce students to the Spanish language and its culture, to develop communicative skills and cross-cultural understanding. Content: Beginning skills in listening and speaking with attention to pronunciation, an introduction to reading and writing, and the fundamentals of grammar and culture in the Spanish-speaking world.

### **SPANISH II**

*1 Credit Grades 9-12*

Prerequisite: Spanish I

Reinforce the fundamental skills previously acquired by the students. This course develops increased listening, speaking, reading and writing skills as well as cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective. This course continues the cultural survey of Spanish-speaking people throughout the world.

### **SPANISH III HONORS**

*1 Credit Grades 10-12*

Prerequisite: Spanish II, AP Spanish language, and Teacher recommendation.

Master and expand the skills previously acquired by non-native Spanish-speaking students in their Level I and II studies. The content includes expansion of vocabulary and conversational skills through discussions based on selected readings and compositions. The student's acquisition of grammatical concepts stresses activities which are important to the everyday life of Spanish-speaking people throughout the world. A rigorous course for which the student must be able and motivated.

### **AP SPANISH LANGUAGE**

*1 Credit Grades 9-12*

Prerequisite: Spanish III or IV with "C" and Teacher recommendation Equivalent of a third-year college course in advanced writing and conversation.

The arts, literature, history, and current events is taught using literature, newspapers, videos and textbooks. This course develops language skills that are useful in themselves and promote confidence in their use by the student in various activities and disciplines. It also provides them with a broader knowledge of the history and culture of the Spanish speaking countries.

### **AMERICAN SIGN LANGUAGE I-III**

*1 Credit Grades 9-12*

The purpose of this course is to enable students to begin to acquire proficiency in American Sign Language through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course. Emphasis is placed on expressive (performance), as well as, receptive (comprehension) ASL. Students will learn American Sign Language and develop cross-cultural understanding.

## **PHYSICAL EDUCATION & DRIVER EDUCATION**

### **HOPE**

*1 Credit      Grades 9-12*

This is a Graduation requirement.

Develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This course will meet the graduation requirement for Physical Education with the integration of health topics. Topics included are safety education practices, analyzing consumer information and community resources, mental and emotional health, including depression and suicide, stress management, coping skills, interpersonal communication – communication, relationships, sportsmanship, disease prevention and control – risk factor assessments, includes communicable and non-communicable diseases such as HIV/AIDs, other STDs, heart disease, diabetes, cancers, asthma, tobacco, alcohol, and other drug use and abuse – risk and protective factors, teen pregnancy prevention, advocating for health and fitness promotion, technology application to facilitate health and fitness

### **BASKETBALL**

*.50 Credit      Grades 9-12*

This course provides opportunities to acquire knowledge and skills in basketball that may be used in recreational pursuits and to maintain and/or improve personal fitness. Includes in-depth knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in basketball.

### **DRIVER EDUCATION**

*.50 Credit      Grades 10-12*

Prerequisite: Must be 15 years old, have parent permission and corrected vision of at least 20/40. Original Birth certificate and Social Security card required.

### **SOCCER**

*.50 Credit      Grades 9-12*

Enable students to develop knowledge and skills in soccer and to maintain or improve health-related fitness. Course topics include Safety practices; rules and terminology; history; biomechanical and

physiological principles; techniques and strategies; sportsmanship; fitness activities; assessment of skills and health-related fitness; officiating; organization and administration of soccer activities; consumer issues; benefits of participation.

### **TEAM SPORTS**

*.50 Credit      Grades 9-12*

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course.

### **WEIGHT TRAINING 1, 2, 3 & POWER WEIGHT TRAINING**

*.50 Credit      Grades 9-12*

Enable students to acquire basic knowledge and skills in weight training, improve muscular strength and endurance, and begin to enhance self-image. Topics covered are safety practices; terminology; musculoskeletal system; muscular strength and endurance; biomechanical and physiological principles; theories, concepts, and skills; weight training programs; implementation and evaluation of a personal weight training program; weight training activities for fitness; fitness assessment; nutrition; consumer issues; benefits of participation.

### **PERFORMING ARTS**

#### **2-D ART STUDIO 2**

*1 Credit      Grades 9-12*

This course will bring out your greatest artistic talents, as well as building your portfolio skills. New techniques in oil painting, acrylics, advanced print making and surface design will be mastered. Individual projects will be assigned to prepare students for Advanced Placement Design Portfolio class. Critique will also be addressed for both student and professional works of art. Creative voice, reflection and understanding of organizational design principles will be further enhanced as a group to develop works of art that are progressively more innovative

### **3-D ART STUDIO 1**

*1 Credit Grades 9-12*

Students experiment with the media and techniques used to design and construct three-dimensional (3-D) artworks, including casting, carving, modeling, and assembling in such media as wire, plaster, clay, paper maché, fiber, and found objects.

### **DRAWING 1**

*1 Credit Grades 10 -12*

Prerequisite: 2-D or 3-D STUDIO 1

Students will expand upon their art skills learned from their previous art class with a specific concentration on more advanced drawing lessons. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination.

Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

### **AP ART**

*1 Credit Grades 10-12*

Prerequisite: Teacher approval, and completion of upper level art classes with a B or higher

This year long course will motivate students to perform at the college level! Concept, composition, materials, and techniques are emphasized. Course highlights include; portfolio building, digital production, and critique methods. Students will develop individual presentations of artwork that meet national standards of the visual arts. This portfolio contains a highly developed collection of work eligible for college credit and designed to meet entrance requirements. Students may select any 2-D medium to work with. This advanced Placement course is for the self- motivated, serious art student. Work outside of class and art materials are required

### **AP DRAWING**

*1 Credit Grades 10-12*

AP Drawing issues are addressed in this year long course that is most often the last course after AP

2-D design. Surface manipulation, line quality, light, shadow, form, interior space, balance, organic and mechanical forms are the main drawing issues addressed. Course highlights include; portfolio building, digital production, and critique methods. Students will develop individual presentations of artwork that meet national standards of the visual arts. This portfolio contains a highly developed collection of work eligible for college credit and designed to meet entrance requirements. Students may select any 2-D medium to work with. This advanced Placement course is for the self-motivated, serious art student. Work outside of class and art materials are required.

### **MUSIC**

Students will meet graduation requirements for Performing Fine Arts. Students will meet Florida Music Academic scholarship and Tri-M Music Honor Society requirements. To meet all criteria for successful academic credit, students are required to attend all scheduled after school rehearsals, performances and if they play a wind or percussion instrument participation in the marching band.

Financial obligation may be included for participation in any of these classes, financial assistance is available for any students who might need it. The music programs welcome students who have previous experience in playing music and students who are new or want to learn a band, orchestra, or percussion instrument.

### **BAND I-IV (and HONORS)**

*1 Credit Grades 9-12*

Students with advance, little or no instrumental experience will develop musicianship, technical proficiency, and performance skills on a wind instrument. Beginning musicians will focus on development of skills and techniques. Students are required to attend and participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This also includes also being in the marching band. This course may also require students to obtain a musical items or musical instrument (e.g., borrow, rent, purchase) from an outside source.

## **INSTRUMENTAL TECHNIQUES I – IV and Honors**

*1 Credit Grades 9-12*

Students with advance, little or no instrumental experience will develop musicianship, technical proficiency, and performance skills on percussion instruments. Beginning musicians will focus on development of skills and techniques. Students are required to attend and participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This also includes also being in the marching band. This course may also require students to obtain a musical items or musical instrument (e.g., borrow, rent, purchase) from an outside source.

## **ORCHESTRA I - VI (and HONORS)**

*1 Credit Grades 9-12*

Students with advance, little or no instrumental experience will develop musicianship, technical proficiency, and performance skills on sting instruments. Beginning musicians will focus on development of skills and techniques. Students are required to attend and participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This also includes also being in the marching band. This course may also require students to obtain a musical items or musical instrument (e.g., borrow, rent, purchase) from an outside source.

## **CHORUS 1-IV**

*1 Credit Grades 9-12*

Foundational skills in singing and reading music. This class involves occasional after school rehearsals and performances.

## **AVID**

### **AVID 1**

*1 Credit Grade 9*

1 credit-Grade 9 Prerequisite: Application and Interview required for students who have previous experience with AVID, the 9th-grade lessons will serve as an opportunity for refinement of AVID skills and application in the high school context. For

students new to AVID, the 9th-grade progression will expose them to all components of AVID. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams while refining study skills and test-taking, note-taking, and research techniques.

### **AVID 2**

*1 Credit Grade 10*

During the tenth-grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also analyze various documents, to participate in collaborative discussions, and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts.

### **AVID 3**

*1 Credit Grade 11*

Prerequisites: AVID 1 or AVID 2 The eleventh-grade AVID Elective course is the first part in a junior/senior curriculum that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of eleventh grade, there are activities, units, and tasks that should be undertaken during the junior year to

support students as they apply to four-year universities and confirm their postsecondary plans. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

#### **AVID 4**

*1 Credit Grade 12*

Prerequisite: AVID 3 The AVID Elective twelfth-grade course is the second part in a junior/senior course that focuses on writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project building on knowledge and skills developed in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their post-secondary plans.

#### **LEADERSHIP SKILLS DEVELOPMENT (SGA)**

*1.0 Credit Grades 9-12*

Prerequisite: Application required

The purpose of this course is to teach leadership skills, parliamentary procedures, problem solving/decision making, communications skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building and other group processes.

#### **CAREER and TECHNICAL EDUCATION**

##### **ACADEMY OF FINANCE**

##### **DIGITAL INFORMATION TECHNOLOGY**

*1 Credit Grade 9-12*

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications

including e-mail and Internet services; basic HTML, Microsoft Office; emerging technologies, and Web page design. This elective meets the FINE ARTS credit and is highly recommended and certification opportunities TBD. **Industry Certifications:** Social Media Strategist (PROSO031)

##### **BUSINESS COMMUNICATION AND TECH:**

*1 Credit Grade 9-12*

This course is designed to provide an overview of current business, finance, information systems, entrepreneurship and trends and to introduce students to the foundations required for today's business environments. Emphasis is placed on developing proficiency with computer applications, so that they may be used as communication tools for enhancing personal and workplace proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentation applications, financial and tax software applications and the integration of these programs using software that meets industry standards.

**Industry Certification:** Entrepreneurship & Small Business v.2 (INTUT002)

##### **PRINCIPLES OF ENTREPRENEURSHIP:**

*1 Credit Grade 10*

This course provides instruction in the basic principles of entrepreneurship and entrepreneurial thinking: the role of the entrepreneur, entrepreneurship as a career, ethics in business, and the principles of marketing, financing, and managing a business.

**Industry Certifications:** Entrepreneurship & Small Business v.2 (INTUT002), Social Media Strategist (PROSO031), Master Entrepreneurship (NTUT003)

##### **ACCOUNTING APPLICATIONS**

*1 Credit Grade 10-12*

This course emphasizes double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording income, expenses, acquisition of assets, incurrence of liabilities, and changes in

equity; and the preparation of financial statements. The use of computers and appropriate software is required.

**Industry Certifications:** Entrepreneurship & Small Business v.2 (INTUT002), QuickBooks Certified User (INTUT001)

### **PERSONAL FINANCIAL LITERACY**

*.50 Credit Grade 9-12*

Highly recommended course provides life skills for students. The study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

### **FINANCIAL INTERNSHIP SUMMER**

The financial internship course provides students with authentic learning experiences in which they demonstrate human relations, technical, communication, and career development skills through entry level employment in the financial services industry. Through hands-on project management, major tasks outlined in a training plan, mentors supervise student learning in specific skill attainment and professional development. Students earn high school credit and financial compensation. Summer between 11<sup>th</sup> and 12 grade.

Paid Internship.

### **PERSONAL FINANCE (Honors)**

*1 Credit Grade 12*

This course develops an awareness of the need for care and organization in planning for the wise use of economic resources and financial products available through a study of savings, credit, insurance, banking, investing and financial goals. The students are also made aware of the career opportunities offered in financial services.

**Industry Certification:** QuickBooks Certified User (INTUT001)

### **CULINARY ARTS**

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Hospitality & Tourism career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Hospitality & Tourism career cluster.

#### **CULINARY ARTS I**

*1 Credit Grades 9*

This course covers the history of the food service industry and careers in that industry. Also covered are safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment; basic food science; basic nutrition; and following recipes in food preparation labs. **Industry Certification:** *The National Registry for Foodservice Professionals. Passing this Industry Certification can count as a math or science elective however it CANNOT replace Algebra 1, Geometry, or Biology.*

#### **CULINARY ARTS II**

*1 Credit Grades 10*

In this course students will learn state mandated guidelines for food service; how to attain food handler training certification; and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus.

**Industry Certifications:** *ServSafe*

#### **CULINARY ARTS III**

*1 Credit Grades 11*

In this course the student will research career opportunities in professional cooking/baking; follow guidelines on food selection, purchasing, and

storage; and use communication skills. Students will prepare and present a variety of advanced food products; create centerpieces; and research laws specific to the hospitality industry. Also covered are management skills; how to develop a business plan; and utilization of technology in the workplace. Students will be knowledgeable about food safety manager training/certification training programs that are acceptable in Florida.

#### **CULINARY ARTS IV**

*1 Credit      Grades 12*

This course provides opportunities for students to apply their acquired knowledge and skills in culinary related scenarios. Track 1 is comprised of Standards 20 - 27 and is a one credit course focused on Culinary and Hospitality Management. This is a culminating course to develop advanced culinary techniques and skills. Students will learn using modern technology and culinary trends.

**Industry Certifications :** Serv Safe-Food Protection Manager

#### **CUSTOMER SERVICE/STUDENT ASSISTANT I-III**

*1 Credit      Grade 9-12*

Our Customer Service/Student Assistant program that inspires young adults (Juniors/Seniors) to become responsible and respectful ambassadors at JHS. Assigned workstations provide the opportunity to succeed in creating well-rounded life skills. Our Student Assistants must have technical ability, and maturity. They must also be responsible, and respectful to fellow classmates, staff, guest, and faculty. Student Assistants will lead to earning industry certification in conjunction with the customer service curriculum. Students have the opportunity to earn a Social Media Strategist Certification. **Industry Certifications:** Social Media Strategist (PROSO031)

#### **CYBERSECURITY**

##### **CYBERSECURITY ESSENTIALS**

*1 Credit      Grade 11-12*

The content includes but is not limited to

foundational knowledge and skills in computer and network security, security vulnerabilities, attack mechanisms and techniques, intrusion detection and prevention, cryptographic systems, system hardening, risk identification, incidence response, penetration testing, key management, access control, and recovery. Specialized courses focus on database security, planning and analysis, software, and web security.

#### **OPERATIONAL CYBERSECURITY**

*1 Credit      Grade 11-12*

Students will have the option to sit for the Comptia Security + Industry Certification Exam

Security+ incorporates best practices in hands-on trouble-shooting to ensure security professionals have practical security problem-solving skills. Cybersecurity professionals with Security+ know how to address security incidents – not just identify them. Students will learn, Technical underpinnings of cyber security and its challenges, understand common information and computer system security vulnerabilities. The student will demonstrate and understanding of common cyber-attack mechanisms, consequences and motivations behind the attacks. Understand common cryptographic algorithms such as Kerberos, hashing functions. Students will learn and demonstrate techniques and their use in Cyber security. Students will learn PKI, certificates, intrusion detection, port scanning, network traffic analysis, security design principles and other. Students will study risk mitigation planning, Risk Management, security policy, contingency planning, disaster recovery, continuity of business, forensic analysis.

#### **EARLY CHILDHOOD EDUCATION**

This program is a Career and Technical course that studies the development of young children ages birth to eight years. In this course students are introducing to the overall field of Early Childcare illustrated through instruction, hands on experience and mastery of content. The course is designed to be completed in sequence, beginning in the Freshman year with level one and finishing in the Senior year with level four. Students will complete 480 volunteer hours at the onsite preschool, create a portfolio and

pass state examinations within these four years. Upon completion of the program and its criteria, students will be able to apply and receive the National Child Development Associate credential (CDA). With this credential, students can enter the field and workforce of early childcare.

#### **ECE Level I:**

*1 Credit      Grade 9*

Covers CDA 30 instructional semester hours within the year. Within this level students will learn to establish and maintain a safe, understand what a healthy learning environment consists of; learn to advance physical and intellectual competence and support social and emotional development and provide positive guidance to children. Students will not volunteer in the Cubs Den on this level.

#### **ECE Level II:**

*1 Credit      Grade 10*

Covers CDA 30 instructional semester hours within the year. Within this level students will learn to advance physical and intellectual competence; establish positive and productive relationships with families; ensure a well-run, purposeful program that is responsive to participant needs and maintain a commitment to professionalism. Students will begin to volunteer in the Cubs Den earning hours towards the Child Development Associate credential.

#### **ECE Level III:**

*1 Credit      Grade 11*

Covers 30 CDA instructional semester hours within the year. Within this level students will learn to establish and maintain a safe environment, advance physical and intellectual competence; establish positive and productive relationships with families; ensure a well-run, purposeful program that is responsive to participant needs and maintain a commitment to professionalism.

This level also counts towards Fine Arts. Students continue to volunteer in the Cubs Den daily earning hours towards the Child Development Associate credential.

#### **ECE Level IV:**

*1 Credit      Grade 12*

Covers 30 CDA instructional semester hours within the year bringing the total overall to 120 hours. Within this level students will complete their portfolio binder and finish any remaining volunteer hours to total 480 hours. Students will also learn to establish and maintain a safe environment, advance physical and intellectual competence; establish positive and productive relationships with families; ensure a well-run, purposeful program that is responsive to participant needs and maintain a commitment to professionalism. After successful completion of the 480 volunteer hours, DCF exams, and portfolio binder, students can apply for the Child Development Associate credential. **Industry Certification:** The Child Development Associate (CDA) Credential is a widely recognized credential in early childhood education administered by the Council of Professional Development. The CDA Credential guides early childcare professionals as they work toward becoming qualified teachers of young children.

#### **GAMING, SIMULATION, ANIMATION VISUAL DESIGN**

This **NEW PROGRAM** is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities using an entry-level game development tool should be integrated into the curriculum. Regardless of topic sequencing, the culminating activity is the creation of a playable game. Students have the opportunity to earn Adobe Certification.

## **DIGITAL INFORMATION TECHNOLOGY**

*1 Credit*

*Grade 9-12*

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, Microsoft Office; emerging technologies, and Web page design. This elective meets the FINE ARTS credit and is highly recommended and certification opportunities TBD. **Industry Certifications:**  
Social Media Strategist (PROSO031)

## **GAME & SIMULATION FOUNDATIONS**

*1 Credit*

*Grade 10-12*

This course **compares games and simulations, key development methodologies and tools, careers, and industry-related information.** This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools.

## **GAME & SIMULATION DESIGN**

*1 Credit*

*Grade 10-12*

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools.

## **JROTC (NAVAL SCIENCE)**

years (2 FULL CREDITS) of any combination of Naval Science courses may waive the Performing Fine Art and HOPE credit requirement for graduation. All

courses are a combination of Aerospace History, Leadership Education, basic drill movements, and uniform wear.

## **JROTC | NAVAL SCIENCE I**

*1 Credit*

*Grade 9*

To introduce students to the meaning of citizenship, the elements of leadership, and the value of scholarship in attaining life goals; promote an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and controlling stress; drug awareness; provide the principles of health and first aid, geography and survival skills and an overview of Naval ships and aircraft. These elements are pursued at the fundamental level.

**COURSE CONTENT:** Includes an introduction to the NJROTC program; introduction to Leadership, Citizenship, and the American Government; introduction to Wellness, Fitness, and First Aid to include diet, exercise and drug awareness, introduction to Geography, Orienteering, Survival, and Map Reading Skills; Financial Skills and introduction to the U. S. Navy.

## **JROTC | NAVAL SCIENCE II:**

*1 Credit*

*Grade 10*

To build on the general introduction provided in Naval Science 1, to further develop the traits of citizenship and leadership, and to introduce cadets to the technical areas of naval science and the role of the U. S. Navy in maritime history and the vital importance of the world's oceans to the continued well-being of the United States.

**COURSE CONTENT:** Includes ongoing instruction into Leadership; introduction to Maritime History, including the American Revolution, Civil War, the rise of the U. S. to world power status, World Wars 1 and 2, the Cold War Era and the 1990s and Beyond; introduction to Nautical Sciences to include Maritime Geography, Oceanography, Meteorology, Astronomy, and Physical Sciences.

## **JROTC | NAVAL SCIENCE III:**

*1 Credit*

*Grade 11*

Broaden the understanding of students in the

operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, and the importance of sea power and national security. Students gain a more in-depth knowledge of Naval ships and aircraft and an introduction to marine navigation and seamanship.

**COURSE CONTENT:** Includes instruction in Sea Power and National Security, Naval Operations and Support Functions, Military Law, and International Law and the Sea. Introduces Ship Construction and Damage Control, Shipboard Organization and Watch Standing, Basic Seamanship, Marine Navigation, and Naval Weapons and Aircraft. Ongoing instruction in leadership, citizenship, and discipline.

#### **JROTC | NAVAL SCIENCE 4:**

*1 Credit      Grade 12*

Focused primarily on practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership, under supervision, then helping them analyze the reasons for their varying degrees of success throughout the year. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets. Seniors are mentored/guided in their preparation for life after high school to include college preparation, scholarship applications, and the variety of choices that are available to them.

**COURSE CONTENT:** Includes instruction in theoretical and applied aspects of leadership, training,

and evaluation of performance. Students will become aware of the techniques used to create motivation, develop goals and activities for a workgroup, and the proper ways to set a leadership example. Students are provided access to ACT/SAT prep courses, guidance in selecting a college and pursuing available scholarships, and mentoring in establishing long-range life goals.

#### **ON THE JOB TRAINING (O.J.T., Job Required)**

*1 Credit      Grade 11-12*

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: a training agreement, a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed. **Students must be employed before signing up for this course.**





2023-2024 Course Selection Worksheet (Grades 10th – 12<sup>th</sup>)

Student Name: \_\_\_\_\_ Student #: \_\_\_\_\_

Current Grade: \_\_\_\_\_ English Teacher: \_\_\_\_\_ Period: \_\_\_\_\_

<u>CORE COURSE</u>	<u>LEVEL (CIRCLE ONE)</u> Honors & AP courses MUST have teacher recommendation	<u>TEACHER RECOMMENDATION</u>
ENGLISH	Reg Honors AP	
MATH	Reg Honors AP	
SCIENCE	Reg Honors AP	
SOCIAL STUDIES	Reg Honors AP	
READING (if needed)		
<u>NOTES</u> (office use only)		

<u>ELECTIVES</u>	<u>APPROVAL</u>
1.	
2.	
3.	
4.	
5.	
6.	
7.	

**Schedule Change Policy**

1. Reasons for a schedule change might include: counselor error, failing a required course, passed a course in summer school or night school, etc.
2. Schedule change requests will NOT be considered for the purpose of teacher preference.
3. A change request may require the entire schedule to be altered to meet the request you have made. Including different teachers and different class periods.
4. Once a schedule has been changed, it cannot be changed back again to the original schedule.
5. **All schedule change requests must be approved by the Assistant Principal for Curriculum, department head and guidance counselor.**

I am aware of the programs offered to my child at King High School, and I agree with his/her choices as indicated. I have also read and understand the schedule change policy.

\_\_\_\_\_  
Parent Signature

Date

\_\_\_\_\_  
Student Signature

Date

\_\_\_\_\_  
Counselor Signature

Date

\_\_\_\_\_  
Case Manager (for ESE only)

Date