

**H.B. Plant  
High School  
2021-2022  
Curriculum Guide**



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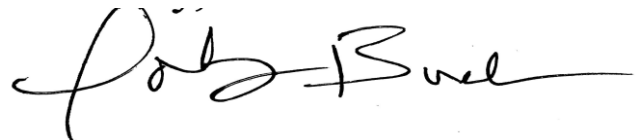
Dear Plant High School parents and students,

Throughout this guide are descriptions of each course offered at Plant. We hope that this resource will be of assistance during the process of selecting courses. Thoroughly read the material provided and select classes wisely; please note the prerequisite requirements as indicated in the program guide.

Our staff at Plant High School makes decisions based on the best interests of our students; it is our philosophy that students should take the most challenging academic program for their ability level. Parents play a vital role in this selection process so please work together as decisions are made.

We extend our best wishes for a successful year at Plant. Together we will continue Plant High School's tradition of excellence!

Sincerely,

A handwritten signature in black ink, appearing to read "Johnny Bush". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Johnny Bush, Principal

## Administrative Staff

Johnny Bush, Principal (ext. 222)

Kimi Hellenberg, Assistant Principal, Curriculum (ext.226)

Erin Mellnick, Assistant Principal, Administration (ext. 227)

Valerie Fuchs, Assistant Principal, Student Affairs, A-Gn (ext. 235)

David Webb, Assistant Principal, Student Affairs, Go-O (ext. 232)

Darryl Givens, Assistant Principal, Students Affairs, P-Z (ext. 233)

### School Counselors

#### Alpha

#### Extension

#### Email

Jamie Wolford

A - CL

ext. 240

[Jamie.Wolford@hcps.net](mailto:Jamie.Wolford@hcps.net)

Lisa Poirier

CM - GOO

ext. 241

[Lisa.Poirier@hcps.net](mailto:Lisa.Poirier@hcps.net)

Athena Dicus

GOP - LE

ext. 238

[Athena.Dicus@hcps.net](mailto:Athena.Dicus@hcps.net)

Lesley Morter

LEA - OJ

ext. 239

[Lesley.Morter@hcps.net](mailto:Lesley.Morter@hcps.net)

Allison Castellano

OK - SK

ext. 243

[Allison.Castellano@hcps.net](mailto:Allison.Castellano@hcps.net)

Randi Litwak

SL - Z

ext. 242

[Randi.Litwak@hcps.net](mailto:Randi.Litwak@hcps.net)

### College & Career Counselor

Lauren Moseley

(ext. 281)

[Lauren.Moseley@hcps.net](mailto:Lauren.Moseley@hcps.net)

### School Counseling Staff

Kathleen Cachon

Registrar

(ext. 235)

[Kathleen.cachon@hcps.net](mailto:Kathleen.cachon@hcps.net)

Lisa Arellano

Guidance Secretary

(ext.225)

[Elizabeth.Arellano@hcps.net](mailto:Elizabeth.Arellano@hcps.net)

Jane Adams

School Psychologist

(ext. 261)

[Jane.Adams@hcps.net](mailto:Jane.Adams@hcps.net)

Leland Schardt

School Social Worker

(ext. 293)

[Leland.Schardt@hcps.net](mailto:Leland.Schardt@hcps.net)

Jillian Willis

School Social Worker

(ext. 261)

[Jillian.Willis@hcps.net](mailto:Jillian.Willis@hcps.net)

## H.B. PLANT HIGH SCHOOL

2415 South Himes Avenue Tampa, FL 33629

Phone: (813) 272-3033 Fax: 813-272-0624

## **Program Planning**

In eighth grade, middle school counselors program students for ninth grade classes during late fall. Individual questions about course placement should be directed to the middle school counselor. During subsequent years at Plant, course selections for the following year are made in the spring. Course selections are made from the recommendations of teachers along with the input of the counselor, parents, and students.

**Level Placement:** Although parental and student input are vital to successful placement in classes, teacher recommendations are heavily considered. They are based on the teachers' knowledge of what the course level entails, and from past experience, the success of students who customarily make up the class. The option of "moving up" or "moving down" once the class is underway is not recommended.

## **Calendar for Programming Courses of Study**

- November-December - Middle School counselors share information with students to review the program planning process. Current Plant students complete elective registration online for the following year. Teachers submit core course recommendations.
- January-February- PHS students will meet individually with Counselors to discuss overall plan including next year's course selections.
- April-Course recommendations may be updated based on 3<sup>rd</sup> quarter grades through contacting current academic teacher
- May-Summer offerings are published, and recommendations are made for potential summer term enrollment. Classes are generally offered through adult high school and FLVS/HVS.
- July/August-Students' schedules are mailed before school opens. There are very limited opportunities for schedule changes. Elective changes generally cannot be accommodated.
- 10<sup>th</sup> day of semester: Final day to drop/add classes.

## **English**

**Department Head: Melisa Toothman**

## **Literacy Coach: John Deorio**

Students are required to earn four credits of English for graduation. The general progression during high school is English I through IV, although AP Language and Composition may be substituted for English III and AP Literature and Composition may be substituted for English IV. At each grade level, students have a choice between two levels (Honors or advanced honors for 9<sup>th</sup> and 10<sup>th</sup>; Honors or AP for 11<sup>th</sup> and 12<sup>th</sup>). This ensures that all students will encounter a rigorous curriculum while still being able to choose the commitment level appropriate for their interests and focus. Students who are interested in a humanity, communications, literacy based, or law career or simply love to read and write are encouraged to choose the highest levels available. Students with an interest or focus on other subjects can still benefit from honors courses on their transcripts, but might consider not electing Advanced Honors or AP, given the additional reading and increased pace of these courses.

### **English I Honors**

Grade: 9                      1 credit

The 9<sup>th</sup> grade curriculum will explore traditional coming of age topics such as defining the need to belong, starting a journey, defining intelligence, performing for audiences, falling in love, and achieving goals. Students will refine and gain skills and content knowledge necessary to master the Florida Benchmarks for Excellent Student Thinking (BEST) in preparation for working towards graduation. These skills will include close reading of prose, poetry, informational texts, and arguments; communicating verbally and in writing; and finding meaning through vocabulary. This course is intended for students who need to master the skills of the English language needed for graduation and beyond while challenging students to think analytically at a rigorous level.

### **English I Advanced Honors**

Grade: 9                      1 credit                      Teacher recommendation

The 9<sup>th</sup> grade curriculum will explore traditional coming of age topics such as defining the need to belong, starting a journey, defining intelligence, performing for audiences, falling in love, and achieving goals. Students will explore elements of style in classic literature and become familiar with literary elements, such as point of view, irony, figurative language, and author's purpose. Students will refine and gain skills and content knowledge to master the Florida BEST Standards including close reading of prose, poetry, informational texts, and argument; communication verbally and in writing; and finding meaning through vocabulary. At this level, students will write frequently and be expected to tackle more complex writing prompts. Students should take this course if they have the desire to learn about literature and want to foster a passion for English. This class will enhance their skills in all areas of the English language both for graduation and for AP English.

### **English II Honors**

Grade: 10                      1 credit

The 10<sup>th</sup> grade curriculum will explore a more outward-looking series of topics including why words matter, how culture influences our goals, how the past can affect the future, how to bring people together, what the ingredients of culture are, and how who we are influences who we will become. Students will refine and gain skills and content knowledge necessary to master the Florida Benchmarks for Excellent Student Thinking (BEST) in preparation for working towards graduation. These skills will include close reading of prose, poetry, informational texts, and arguments; communicating verbally and in writing; and finding meaning through vocabulary. This course is intended for students who need to master the skills of the English language needed for graduation and beyond while challenging students to think analytically at a rigorous level.

### **English II Advanced Honors**

Grade: 10                      1 credit                      Teacher recommendation

The 10<sup>th</sup> grade curriculum will explore a more outward-looking series of topics including why words matter, how culture influences our goals, how the past can affect the future, how to bring people together, what the ingredients of culture are, and how who we are influences who we will become. This course will also introduce students to a variety of authors and writers of both fiction and nonfiction, exploring from a rhetorical standpoint how authors construct texts. Students will refine and gain skills and content knowledge necessary to master the Florida Benchmarks for Excellent Student Thinking (BEST) in preparation for working towards graduation. These skills will include close reading of prose, poetry, informational texts, and arguments; communicating verbally and in writing; and finding meaning through vocabulary. At this level, students will write frequently and be expected to tackle more complex writing prompts. Students should take this course if they have the desire to learn about the written word and want to push their skills to the next level. This class will enhance their skills in all areas of the English language both for graduation and for AP English.

### **English III Honors**

Grade: 11                      1 credit

The 11<sup>th</sup> grade curriculum will explore a fresh take on the traditional American Literature course, including topics such as how independence defines the American spirit, how journeys influence our perspectives, how place shapes an individual, what home means, what it means it means to win, and how justice can be ensured for all. While engaged in these units, students will continue to refine their analytical reading and writing skills, the artistry of argument, and real-world applications of literacy skills to better prepare them for the next steps after high school, whether that is college, the military, or a vocational program. Language skills are the cornerstone of participation as an adult in society, and this course will challenge students to practice and employ those skills.

### **English IV Honors**

Grade: 12                      1 credit

This is a class for students who need to fulfil their English requirement for high school graduation, while still being challenged at a higher level of thinking and analyzing. The 12<sup>th</sup> grade curriculum will cover topics such as how we can transform the future, how challenges can reveal our true selves, how leaders fight for their ideas, the power of stories, why individuals feel alienated, and how people are shaped by change. Recognizing that students are in their final year of high school, about to be set free to the world as young adults, the topics and skills in this class will enhance and support their impending journeys, while ensuring that they are prepared with the language skills needed for their chosen path.

## **Advanced Placement English**

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

Grade: 11                      1 credit                      Teacher recommendation

AP Language is a class for students who want to get a jump on the rigorous aspects of college-level writing. Students will explore argument and analysis through an in-depth understanding of the rhetorical situation and write frequent essays explaining that understanding. This course is designed for students who want to explore the intricate craft of writing at the level of a college class in preparation for both analyzing and performing various writing situations. An exam at the end of the course offers the opportunity to earn college course credits, commensurate with the individual university policy.

### **AP Literature and Composition**

Grade: 12                      1 credit                      Teacher recommendation

AP Literature is a class for students who have a passion for reading, discussing, and writing about novels, short stories, and poems. Students will explore the written word through the ages and then analyze its connection to humanity through the writing of essays. This course is designed for students who want to explore literary classics in depth at the level and rigor of a college class. An exam at the end of the course offers the opportunity to earn college course credits, commensurate with the individual university policy.

## **English Electives**

### **Literature, and the Arts 1 - “Mythology/Folklore”**

Grade: 9-12                    ½ credit

In this honors level elective, students will explore folktales, fairy tales, and mythology from various cultures (perhaps Greece, Rome, Egypt, and India, for example). Students will study the attributes of the various genres by reading original texts and then have an opportunity to compare ancient stories with more modern versions as well as use their creativity to produce original works. This is an honors level course and counts for the required performing arts credit.

### **Literature, and the Arts 2- “Fantasy Fiction and Film”**

Grade: 9-12                    ½ credit

In this honors level elective, coursework will focus on works of literature in the fantasy genre that have been adapted into films. Examples might include *The Curious Case of Benjamin Button*, *The Princess Bride*, *The Hobbit*, and *Harry Potter and the Sorcerer’s Stone*. Students will be expected to read and analyze the written text as well as “read” and analyze the film version using cinematic criteria. This is an honors level course and counts for the required performing arts credit.

### **Speech I**

Grade: 9-12                    ½ credit

Speech I provide instruction in the techniques of public speaking, effective listening, and analysis of audience. Students will write and deliver formal and informal speeches on a range of topics. This course meets requirements as an elective and Performing Arts credit.

### **Social Media**

Grade 9- 12                    ½ credit

The purpose of this course is to enable students to develop fundamental skills in the use of social media across print, multimedia, web, and broadcast platforms, including ethical and legal uses. Students are able to earn their CIW Social Media Strategist certification through this class.

## **Journalism**

### **Journalism I**

Grade: 9-12                    1 credit

Introduction to Journalism I is an academic course in which the fundamentals of journalism are stressed, and students have the opportunity to learn journalistic law and history, journalistic writing, photography, and design skills. This class is designed to prepare students for newspaper, yearbook, and TV productions classes.



### **Journalism III (Panther Tales)**

Grade: 9-10                      1 credit                      Prerequisites: Teacher recommendation, application

Panther Tales is a training course for students who wish to apply for a yearbook or newspaper position. Students will learn how to use Adobe software, as well as photography and journalistic writing. Although it is helpful to perspective yearbook staff applicants, taking the course does not ensure selection for staff. That selection is based is based on multiple criteria: teacher recommendations, personal strengths, demonstrating independence.

### **Journalism III-VI (Yearbook)**

Grade: 10-12                      1 credit                      Prerequisites: Teacher recommendation, application

The Panther staff produces the school yearbook and gains experience in writing, editing, designing, advertisement sales, photography, and layout skills.

### **Journalism III-VII (Pep O' Plant)**

Grade: 10-12                      1 credit                      Prerequisites: Teacher recommendation, application

The Pep O' Plant staff produces the school's online newspaper print magazine. Student's practice editing and writing, editing, designing, advertisement sales, photography, and layout skills. Work outside of school hours is required.

## **English for Speakers of Other Languages**

Our students who are native speakers of other languages will be placed in general education English courses along with native English speakers. Their teacher will be certified in ESOL and experienced at differentiating instruction to meet the diverse needs of students at varying readiness levels. To support students who need the most help, the elective below is available.

### **Developmental Language Arts through ESOL**

Grade: 9-12                      1 credit

In this elective course, students are given the opportunity to focus on various language forms, skills, and strategies in order to support the process of language acquisition and the learning of concepts. Academic language and cognitive development are provided within a supportive environment. Study skills and learning strategies are actively taught in all subject areas and students are empowered with the use of English as a tool to accomplish meaningful tasks.

## **Reading Plan**

### **9<sup>th</sup> Grade:**

- Placement in these courses will be based on students' past test performance.
- Classes will focus on students' ability to comprehend complex text and write in response to it at a level that will accelerate students' skills beginning with their readiness levels.
- Because of the enhanced rigor of the new Florida BEST Standards (Benchmarks for Excellent Student Thinking), Plant High School will assign all 9<sup>th</sup> grade students a reading/writing course.

- High-performing 9<sup>th</sup> grade students (according to their most recent FSA scores) will receive honors credit for a semester of coursework that will also prepare them for PSAT, SAT and ACT.
- Mid-performing 9<sup>th</sup> grade students (according to their most recent FSA scores) will take both Writing I and Semantics and Logic Honors in order to build and accelerate those skills needed for high school and beyond.

### **10<sup>th</sup> Grade:**

- Only 10<sup>th</sup> grade students who have scored within a certain range on their most recent FSA Reading and Writing test will be scheduled into a reading course.

### **11<sup>th</sup> and 12<sup>th</sup> Grade:**

- The only students scheduled into a reading class in the 11<sup>th</sup> or 12<sup>th</sup> grade year are those who are still working toward passing the FSA Reading and Writing exam.
- The 11<sup>th</sup> and 12<sup>th</sup> grade reading course curricula have been revised to support reading and writing on the FSA Reading and Writing test as well as the SAT/ACT test.

## **Reading 1**

Grade: 9            1 credit

Prerequisites: According to skill needs. Students will be placed based on their prior year's FSA reading score.

The course emphasizes reading comprehension and vocabulary skills using a variety of grade appropriate texts encompassing a range of complexity. Students enrolled in the course will engage in research, write in response to reading, and cite evidence to answer text dependent questions both orally and in writing. The course provides extensive opportunities for students to collaborate with their peers.

## **Writing I**

Grade: 9            ½ credit

Prerequisites: According to skill needs. Students will be placed based on their prior year's FSA reading score.

The purpose of this course is to enable students to develop and use high school level writing and language skills in a variety of writing formats for argumentative, informative, and narrative purposes to ensure preparation for college and career readiness.

## **Semantics and Logic Honors**

Grade: 9-12            ½ credit

Prerequisites: This is a rigorous course designed to focus on the enhancement of critical reading skills,

vocabulary development to develop critical writing skills necessary for success in college courses. The purpose of this course is to provide students' knowledge of the principles of semantics and logic using texts of high complexity and advanced integrated language arts study. Students are challenged to think and collaborate critically on the content they are learning. The content should include, but not be limited to, the following: active reading of advanced texts, analysis of informational texts from varied literary periods, and writing for varied purposes

### **Reading 2B/2C**

Grade: 10                      1 credit

Prerequisites: According to skill needs. Students will be placed based on their prior year's FSA reading score.

The course emphasizes reading comprehension and vocabulary skills using a variety of grade appropriate texts encompassing a range of complexity. Students enrolled in the course will engage in research, write in response to reading, and cite evidence to answer text dependent questions both orally and in writing. The course provides extensive opportunities for students to collaborate with their peers.

### **Junior FSA/SAT Prep and Senior FSA/ACT Prep**

Grade: 11/12                      1 credit

Prerequisites: According to skill needs. Students will be placed based on their prior year's reading score. The purpose of these courses is for students to develop literal and inferential comprehension skills, critical reading skills, vocabulary enrichment, study skills, and test taking strategies related to the FSA, ACT and SAT.

### **AP Research**

Grade: 11 or 12                      1 credit                      Prerequisites: AP Seminar

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. There is no end-of-course exam.

## **AP Capstone Program**

AP Capstone is a diploma program from the College Board based on two yearlong AP courses: AP Seminar and AP Research. Rather than teaching subject-specific content, these courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing, and presenting. Students who complete the two-year program can earn either the AP Capstone Diploma or the AP Seminar and Research Certificate. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate. More information can be found on [College Board's website](#).

### **AP Seminar**

Grade: 10 or 11                      1 credit                      Prerequisites: English teacher recommendation

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. This course also has an end-of-course exam in May.

### **AP Research**

Grade: 11 or 12

1 credit

Prerequisites: AP Seminar

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. There is no end-of-course exam.

## **Mathematics**

**Department Head: Kelly Hough**

### **Algebra 1A**

Grade: 9-12

1 credit

Prerequisite: Level 1 on FSA grade 7/8

This course is a 2-year program. In Algebra 1-A, instructional time will emphasize four areas: (1) extending understanding of functions to linear functions and using them to model and analyze real-world relationships; (2) solving linear equations and inequalities in one variable and systems of linear equations and inequalities in two variables; (3) building linear functions, identifying their key features and representing them in various ways and (4) representing and interpreting categorical and numerical data with one and two variables.

### **Algebra 1B**

Grade: 9-12

1 credit

Prerequisite: Completion of Algebra 1A

This is the 2<sup>nd</sup> course in the 2-year Algebra program. In Algebra 1-B, instructional time will emphasize four areas: (1) performing operations with polynomials, radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and (4) building functions, identifying their key features, and representing them in various ways.

### **Algebra I**

Grade: 9-12

1 credit

Prerequisite: Pre-Algebra, M/J 3, or M/J 3 Advanced Math

FSA scores > level 1

In Algebra 1, instructional time will emphasize five areas: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear

equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables.

### **Geometry**

Grade: 9-12                      1 credit                      Prerequisite: Algebra I Level 1,2,3 on Algebra 1 FSA

In Geometry, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

### **Algebra II**

Grade: 10-12                      1 credit                      Prerequisite: Geometry and Algebra I

In Algebra 2, instructional time will emphasize five areas: (1) extending arithmetic operations with algebraic expressions to include radical and rational expressions and polynomial division; (2) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (3) building functions using compositions, inverses and transformations; (4) extending systems of equations and inequalities to include non-linear expressions and (5) developing understanding of the complex number system, including complex numbers as roots of polynomial equations.

### **Mathematics for College Algebra**

Grade: 11-12                      1 credit                      Prerequisite: Algebra II

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.

**\*\*General Notes Honors and Accelerated Level Course Note\*\*:** Accelerated courses require a greater demand on students through increased academic rigor. Academic rigor is obtained through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multifaceted. Students are challenged to think and collaborate critically on the content they are learning. Honors level rigor will be achieved by increasing text complexity through text selection, focusing on high-level qualitative measures, and complexity of task. Instruction will be structured to give students a deeper understanding of conceptual themes and organization within and across disciplines. Academic rigor is more than simply assigning students a greater quantity of work

### **Geometry Honors**

Grade: 9-12                      1 credit

Prerequisite: Level 4 or 5 on Algebra FSA

In Geometry Honors, instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry.

### **Algebra II Honors**

Grade: 9-11                      1 credit

Prerequisite: Geometry Honors

In Algebra 2 Honors, instructional time will emphasize six areas: (1) developing understanding of the complex number system, including complex numbers as roots of polynomial equations; (2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions; (3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (4) extending systems of equations and inequalities to include non-linear expressions; (5) building functions using compositions, inverses and transformations and (6) developing understanding of probability concepts. Students are required to have a graphing calculator. This is a prerequisite course of Pre-Calculus and Calculus.

### **Mathematics for Data and Financial Literacy H**

Grade: 11/12                      1 credit

Prerequisite: Algebra II/H or Math for College Algebra

Instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts (2) developing understanding of basic economic and accounting principles (3) determining advantages and disadvantages of credit accounts and short- and long-term loans (4) developing understanding of planning for the future through investments, insurance and retirement plans (5) extending knowledge of data analysis to create and evaluate reports and to make predictions

### **Pre-Calculus Honors**

Grade: 10-12                      1 credit

Prerequisite: Algebra II Honors & Teacher Recommendation

In Pre-calculus Honors, instructional time will emphasize six areas: (1) extending right triangle trigonometry to unit circle trigonometry and trigonometric functions; (2) extending understanding of functions to trigonometric; (3) developing understanding of conic sections; (4) representing and performing operations with complex numbers and vectors in the coordinate plane; (5) extending understanding of relations in the plane using parametric representations, including polar coordinates and (6) analyzing arithmetic and geometric sequences and series. This is a prerequisite course for Calculus AB/BC. A graphing calculator is required for this course.

### **Probability and Statistics Honors**

Grade: 11/12                      1 credit

Prerequisite: Prerequisite: Algebra II/H and above

In Probability and Statistics Honors, instructional time will emphasize four areas: (1) creating and interpreting data displays for univariate and bivariate categorical and numerical data; (2) comparing and making observations about populations using statistical data, including confidence intervals and hypothesis testing; (3) extending understanding of probability and probability distributions and (4) developing an understanding of methods for collecting statistical data, including randomized trials.

Extensive use of the graphing calculator and knowledge of writing, reading, and interpreting is a must.

# Advanced Placement Math

## **Advanced Placement Calculus AB**

Grade: 11-12            1 credit            Prerequisite: Pre-Calculus & Teacher Recommendation

The purpose of this course is to provide a study of elementary functions and the general theory and techniques of Calculus. AP Calculus AB is structured around the three big ideas of calculus: Limits, Derivatives, and Integrals. A graphing calculator is required, and a successful background in Algebra 2H and Pre-Calculus. The course is comparable to a semester 1 College Calculus course. It is required that the student take the Advanced Placement examination in Calculus AB.

## **Advanced Placement Calculus BC**

Grade: 11-12            1 credit            Prerequisite: Pre-Calculus & Teacher Recommendation

Advanced Placement Calculus BC provides an extensive study of the general theory and techniques of Calculus. It is an extension of Calculus AB and its big ideas: Limits, Derivatives and Integrals and also adds the big idea of series. A graphing calculator is required, and a successful background in Algebra 2 Honors and Pre-Calculus. The course is comparable to College Calculus I and II. It is required that the student take the Advanced Placement examination in Calculus BC.

## **Advanced Placement Statistics**

Grade: 11-12            1 credit            Prerequisite: Algebra II Honors and/or Pre-Calculus & Teacher Rec

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. Extensive use of the graphing calculator and knowledge of AP style writing, reading, and interpreting is a must. It is required that the student take the Advanced Placement examination in Statistics.

## **Science**

**Department Head: Peter Skoglund**

### **Biology I**

Grade: 9-12      1 credit      Prerequisites: 8th grade Science

Biology I provides opportunities to investigate the content, theories and examples associated with a practical view of the Biological, Environmental and Earth Sciences in a way that is relevant, usable, and consistent with the NGSSS' [New Generation Sunshine State Standards]. Students will construct their science literacy and knowledge of living things, the earth, and the environment it provides us by reading informational and technical science text, formulating questions, making predictions, planning, and conducting experiments, making observations, classifying, interpreting, and analyzing data, drawing conclusions, reading, and communicating, careers relate to the biological sciences will also be emphasized. Laboratory experiments that include use of inquiry,



experimental design, measurement, and safe use of laboratory materials are an integral part of this course. Students with a reading level of 2 or higher should be successful.

### **Biology I Honors**

Grade: 9-12            1 credit            Prerequisites: Teacher recommendations.

Biology I Honors provides students with advanced exploratory experiences in life concepts. Content will include biochemistry, cellular biology, microbiology, plants, animals, human systems, ecology, and evolution. Use of all Biology I strategies will be included. Students with a reading level of 3 should be successful.

### **Biology I Advanced Honors**

Grade: 9-12            1 credit            Prerequisites: Teacher recommendations.

Biology I Honors/Gifted provides students with advanced exploratory experiences in life concepts. Content will include biochemistry, cellular biology, microbiology, plants, animals, human systems, ecology, and evolution. This is a faster-paced course for academically motivated students with reading levels of 4 or 5

### **Anatomy and Physiology Honors**

Grade: 11-12            1 credit            Prerequisites: Teacher recommendations.

Anatomy and Physiology Honors will provide students with advanced content information and laboratory activities in the structure and function of the human body systems. Mammalian dissections performed.

### **Conceptual Environmental Science**

Grade: 9-12            1 credit

Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Level 1 and 2 readers start here before biology.

### **Marine Science I Honors**

Grade: 10-12                      1 credit              Prerequisites: Successful completion of Biology with a C or better and teacher recommendation.

This class is an integration of several branches of science including Biology, Physical Science, Chemistry, and Earth Science. Topics covered will include history of oceanography, technological advances, aquatic environments, marine organisms, and human impacts on the ocean. Labs, projects, field studies, guest speakers, and field trips are integral parts of this course. Each student will be part of a group that is responsible for setting up and maintaining a saltwater aquarium in the classroom.

### **Marine Science II Honors**

Grade: 11-12                      1 credit              Prerequisites: Successful completion of Marine Science I Honors with a C or better and teacher recommendation.

Marine Science II Honors is geared towards students who enjoy Marine Science or are considering a career in the field of Oceanography. This course will build on what was learned in Marine I. Topics will include Origin of the ocean, modern exploration technology, ocean features, weather and climate, ecosystems, diversity of life, and human impacts.

### **Earth/Space Science**

Grade: 9-12                      1 credit

Earth/Space Science provides students opportunities to understand basic concepts of the earth, the atmosphere and space. Subject matter includes the disciplines of geology, oceanography, meteorology, astronomy, biology, and carpology.

### **Conceptual Chemistry**

Grade: 10-12                      1 credit              Prerequisites: Teacher recommendations.

Chemistry I provide students opportunities to explore the compositions, properties, and changes associated with matter. Laboratory experiments that include use of inquiry, experimental design, measurement, and safe use of laboratory materials are an integral

part of this course.

### **Chemistry I Honors**

Grade: 10-12                      1 credit              Prerequisites: Teacher recommendations.  
(Co-requisites: Algebra II) Prerequisites: Bio H and Algebra I H with a C or better in each  
course Co-requisites: Algebra II H

Chemistry I Honors is a rigorous study of the compositions, properties, and changes associated with matter.

### **Chemistry I Advanced Honors**

Grade: 10-12                      1 credit              Prerequisites: Teacher recommendations.  
Bio H and Algebra I H with a B or higher  
Co-requisites: Algebra II H

Chemistry I Honors/Gifted is a rigorous study of the compositions, properties, and changes associated with matter.

### **Physics I Honors**

Grade: 11-12                      1 credit              Prerequisites: Chemistry H and Algebra H with C or  
higher

Co-requisites: Algebra II, teacher recommendation and Trig/Analysis, Geometry or  
Analysis of function.

Physics I Honors provides advanced study in the concepts of physics. Students will study the theories and laws governing the interaction of matter, energy, and the forces of nature

### **Principles of Technology**

Grade: 11-12

Principles of Technology is a hands-on physics-based science course that would be more accurately called “introduction to engineering”. Students will build projects in order to demonstrate physics concepts and compete in district competitions. Students will learn proper use of hand tools and power tools, gain experience in soldering and electronics, and learn computer programming and CAD modeling. Some required competitions will be outside of school hours.

## **Advanced Placement Science**

General note for all AP classes: Parents and students wanting more details on topics covered in any Advanced Placement (AP) class should visit this website for complete descriptions:

<http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html>

### **Advanced Placement Biology**

Grade: 11-12                      1 credit              Prerequisite: Chemistry Honors or permission from teachers.

AP Biology provides students with conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.

### **Advanced Placement Chemistry**

Grade: 11-12                      1 credit

Prerequisites: Teacher recommendations. A or B in Chemistry H and Algebra II H, One A on a semester exam

Co-requisites: Analysis of Functions or Calculus.

Students will be provided with a college level course in chemistry, which will enable the students to complete other college chemistry courses.

### **Advanced Placement Physics I**

Grade: 11-12                      1 credit

Prerequisites: Teacher recommendations. All AP Course candidates should have college ready test scores, a 3.5 GPA (un-weighted) in subject area. They should have passed Honors Chemistry with an "A" and Honors Algebra II with an "A." Co-requisites:

Precalculus

AP Physics I is the equivalent of a first-semester college course in algebra-based physics. The course covers Newtonian Mechanics (including rotational dynamics and angular momentum), Work, Energy, and Power.

### **Advanced Placement Physics 2**

Grade: 11-12                      1 credit

Prerequisites: Teacher recommendations. A prior Physics class. All AP Course candidates should have college ready test scores, a 3.5 GPA (un-weighted) in the subject area. They should have passed Honors Chemistry with an "A" and Honors Algebra II with an "A." Co-requisites: Calculus, Math Analysis.

AP Physics 2 is the equivalent of a second-semester college course in algebra-based physics. The course covers Fluid mechanics, Thermodynamics, Electricity, Magnetism, Circuits, Light, and Modern Physics

### **Advanced Placement Physics C: Mechanics + E&M**

Grade 11-12                      1 credit

Prerequisites: Teacher Recommendations. All AP Course should have college ready test scores, a 3.5 GPA (un-weighted) in subject area. A prior physics course is recommended but not mandatory.

Co-requisites: Calculus

AP Physics C is intended to be equivalent to an introductory college course in mechanics and electricity and magnetism for engineering majors. The course uses calculus to explain physics concepts and therefore should be taken with calculus as a pre-requisite or co-requisite.

### **Advanced Placement Environmental Science**

Grade: 11-12                      1 credit

Prerequisites: Recommendation from their current Science teacher. Due to quantitative analysis without a calculator, students must be proficient in algebra. Students must have completed 2 years of lab science, including biology and chemistry.

Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Topics

of study include ecology, energy, population, air pollution, sustainability, toxicology and waste, and geology and mining. This is the equivalent of a college level environmental science class.

## **Social Studies**

### **Department Head: Tamara Phillips**

Typical course progression for required social studies courses:

09<sup>th</sup> grade U.S. Government (.5 credit)

10<sup>th</sup> grade World History (1 credit)

11<sup>th</sup> grade U.S. History (1 credit)

12<sup>th</sup> grade Economics (.5 credit)

### **U.S. Government Regular/Honors**

Grades 9-12                      1/2 credit

American Government provides information pertaining to the American legal and political systems. Units of study include the U.S. Constitution, politics, law, and landmark court cases.

### **World History Regular/ Honors**

Grades 10-12                      1 credit

The units of study in World History Honors begin with the Holy Roman Empire and ends with modern day civilization. Students will examine the political, economic, social,

religious, military, scientific, and cultural aspects that have affected humanity. Throughout this course there is an emphasis on improving reading and writing skills.

### **U.S. History Regular/ Honors**

Grades 11-12                      1 credit              Prerequisite: Teacher recommendation

American History Honors provides an in-depth 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.

### **Economics and Financial Literacy Regular/ Honors**

Grade 12                      1/2 credit              Prerequisite: Teacher recommendation

The units of study for this course examines the major characteristics of the mixed market economic system in the United States and the basic economic questions. Students will study the forces of the marketplace by examining the effect of their roles as producers, consumers, savers, investors, and resource owners. Particular emphasis is given to the modern American economy and personal finance. The honors level requires more reading and writing.

### **Advanced Placement General Note for all AP classes:**

Parents and students are encouraged to visit the College Board website for details and complete descriptions of Advanced Placement (AP) courses.

<http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html>

### **AP Human Geography**

Grades: 9-12                      1 credit              Prerequisite: None

Social Studies Teacher recommendation required

AP Human Geography introduces students to the understanding of the systematic study of patterns and processes that have shaped human understanding, use, and alteration of

the earth's surface. Students employ special concepts and landscape analysis to examine human social organization and its environmental consequences. Students will also learn about the methods and tools geographers use in their practice.

**AP United States Government and Politics (linked with second semester AP Comparative Gov't)**

Grades: 10-12                      1/2 credit      Prerequisite: U.S. Government Honors

Social Studies Teacher recommendation required

AP American Government and Politics offers students a critical perspective on politics in America from the colonial era through present day. Topics discussed include Constitutional underpinnings, federalism, civil rights, and liberties, the three branches of government, voting trends and behaviors, and other facets of American government. A strong background in American Government is encouraged. This class is taken first semester and is followed by AP Comparative Government

**AP Comparative Government (linked with first semester AP U.S. Gov't and Politics)**

Grades: 9-12                      1/2 credit      Prerequisites: U.S. Government Honors

Social Studies Teacher recommendation required

AP Comparative Government introduces students to major concepts of political structures and relationships by studying the countries of China, Great Britain, Iran, Mexico, Nigeria, and Russia. This is an interesting but rigorous one semester course. Good reading skills and work ethic are a must. This class is taken second semester following AP U.S. Gov't.

**AP World History**

Grades: 10-12      1credit                      Prerequisite: Teacher recommendation

AP World History develops a student's understanding on the evolution of global processes and contacts. The coursework will focus on what are considered the "major societies", analyzing them in a global framework beginning with the introduction of farming in 8,000 B.C.E. and finishing with terrorism in the 21st century. There is a large focus on analytical writing in the form of three different types of essays.

**AP United States History**



Grade: 11            1 credit        Prerequisite: None

Social Studies Teacher recommendation required

AP American History provides a student with analytical skills and knowledge necessary to deal with the problems, contents, and materials of American history development. This is accomplished by focusing on persistent themes and changes in American history by applying historical reasoning to seek solutions to contemporary problems.

### **AP European History**

Grades: 11-12            1 credit        Prerequisite: None

Social Studies Teacher recommendation required

Learn about the cultural, economic, political, and social developments that have shaped today's world through the study of European history from the year 1450 to present. Analyze historical evidence and interpretation in order to express your historical understanding through writing as you explore principal themes of modern European history.

### **AP Psychology**

Grades: 11-12            1 credit            Prerequisite: Social Studies Teacher recommendation

AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology.

### **AP Macroeconomics (linked with second semester AP Microeconomics)**

Grade: 12            1/2 credit

Analysis of Functions and teacher recommendation required

AP Macroeconomics gives students a thorough understanding of the principles of macroeconomics that apply in an economic system as a whole. This course emphasizes the study of national income and price determination. The course also develops students' familiarity with economic performance measures, economic growth, and international economics. Previous AP experience, success in Analysis of Functions and an exceptional

work ethic are necessary for this rigorous course. This course is linked with AP Microeconomics.

**AP Microeconomics (linked with first semester AP Macroeconomics)**

Grade: 12                    1/2 credit

Prerequisites: Analysis of Function and teacher recommendation required

AP Microeconomics gives students a thorough understanding of the principles of microeconomics that apply to specific economic units or segments of the economy. This course emphasizes the study of specific industries, firms, households, and governments. The course also develops the students' understanding of price expenditures and revenues as well as the relationships between them. Previous AP experience and success in Analysis of Functions, and an exceptional work ethic are necessary for this rigorous course. This course is linked with AP Macroeconomics.

**Social Studies elective courses:**

**U.S. Constitutional Law Honors**

**Grades 10-12                    1 credit                    Prerequisite: none**

The primary content for the course pertains to the study of major legal precedents and evolving judicial interpretations associated with the United States Constitution.

**Law Studies (criminal law)**

**Grades 09-12                    1/2 credit                    Prerequisite: none**

This course is a study of types of crimes, the Hillsborough County arrest procedures, and the Constitutional rights of those accused of a crime.

**Legal Systems (civil law)**

**Grades: 09-12                    1/2 credit                    Prerequisite: none**

This course explores the history and structure of the United States Legal System with an emphasis on civil law.

**Florida History**

**Grades: 09-12                    1/2 credit                    Prerequisite: none**

The primary content emphasis for this course pertains to the study of the chronological development of the state of Florida by examining the political, economic, social, military, and cultural events that affected the state.

## **Psychology 1**

**Grades 9-12**

**½ credit**

**Prerequisite: none**

Psychology is the scientific study of the mind and behavior. This course examines the history and origins of Psychology, methods of research, lifespan development, personality theory, intelligence and psychological disorders and treatments.

## **Psychology 2**

**Grades 10-12**

**½ credit**

**Prerequisite: Psychology 1**

This course continues with a more in depth examination of the basic level of knowledge taught in Psychology 1.

## **World Religions**

**Grades: 09-12**

**½ credit**

**Prerequisite: none**

The primary content emphasis for this course pertains to the study of major world religious traditions of Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will identify criteria upon which religious beliefs are based, analyze relationships between religious and social and political institutions, trace the major developments of the world's living religions, and distinguish the similarities and differences among the world's major religions.

# World Languages

Department Head: Michelle Macy [michelle.macy@hcps.net](mailto:michelle.macy@hcps.net).

The study of languages other than English allows students to maximize their potential for global communication and understanding, broaden their opportunities for education and employment, enrich their background knowledge of the world and appreciate cultures that differ from their own.

Plant High School currently offers beginning, intermediate, and advanced levels of French, Latin, and Spanish.

We highly encourage students to seek the **Seal of Biliteracy**, a credential offered by the State of Florida to those students who are highly successful in 4 years of world language study. Students who meet the criteria will receive the distinguished Seal of Biliteracy on their high school diplomas.



## **Considerations for course placement:**

- Keep in mind that Freshmen are able to go from Beginning to AP levels of a World Language in the 4 years that they are at Plant. It is not absolutely critical to take a World Language *before* beginning high school.
- A student's ELA level should be a 3 or above to select and start level 1 of a language at Plant High School.
- Incoming 9th grade students may be placed ONLY in levels 1, 2, or 3 honors. This includes native/heritage speakers.
- If the teacher or parent/guardian feels that a student is placed incorrectly at a given level, a placement exam will be given to possibly allow for a course change.

## **FRENCH**

### **FRENCH 1- Introductory French: Grades 9-12**

Prerequisites: None

This course introduces students to the French language and various French-speaking cultures. Students focus on speaking, especially pronunciation, as well as beginning listening, reading, and writing skills. Due to the level of this course, it is not open to native or heritage speakers of French.

### **FRENCH 2- Conversational French: Grades 9-12**

Prerequisites: French 1 and Teacher Recommendation

In this course students continue to develop and practice listening, speaking, reading, and writing, with the stress of interpersonal communication (conversation, comprehension, and informal writing). They learn about French-speaking cultures in the North America, Africa, and Europe.

### **FRENCH 3 HONORS- Intermediate French: Grades 9-12**

Prerequisites: French 2 and Teacher Recommendation

During this year students expand their vocabulary and develop their writing and speaking ability. They begin to be able to discuss and write about more abstract and complex topics. The cultural focus is on various French-speaking countries in Europe, North America, and Africa. Students who successfully complete this honors course are urged to continue their language study in AP Prep or AP French.

### **FRENCH 4 HONORS- AP Prep Course: Grades 10-12**

Prerequisites: French 3 Honors and Teacher Recommendation

Students in this course work at perfecting their speaking and writing. They acquire and practice more advanced language structures and vocabulary, including idiomatic expressions. Although the emphasis is on communication skills, cultural awareness is also addressed through the use of authentic written and audio sources. Students who successfully complete this course are urged to continue their language study at the AP level.

### **ADVANCED PLACEMENT FRENCH LANGUAGE AND CULTURE: Grades 11-12 ONLY**

Prerequisites: French 3 Honors and/or French 4 Honors, and Teacher Recommendation

AP French is a college-level course that prepares students for the Advanced Placement exam in French Language and Culture. Using authentic written and audio sources, such as magazine articles, videos and podcasts, students gain information about the French-speaking world and compare it to cultures they know.

## **LATIN**

### **LATIN 1- Introduction to the Latin Language and Roman Culture: Grades 9-12**

Prerequisites: None

This course introduces students to basic Latin vocabulary and grammar and classical culture. The curriculum includes English derivatives and vocabulary based on Latin, simple short stories for comprehension and translation, basic grammar, classical heroes, legends, and myths.

### **LATIN 2- Essentials of Latin Language and Roman Culture: Grades 9-12**

Prerequisites: Latin 1 and Teacher Recommendation

Students in this course continue the study of the Latin language and the exploration of Roman history and culture. Course objectives include the review and expansion of the basics of Latin grammar and the acquisition of considerable new vocabulary.

### **LATIN 3 HONORS- Introduction to Latin Literature: Grades 9-12**

Prerequisites: Latin 2 and Teacher Recommendation

This course offers a rigorous study of the Latin language and Roman history and culture. The curriculum includes the grammar and vocabulary necessary for the reading and appreciation of Latin authors such as Vergil, Ovid, and Catullus.

### **LATIN 4 HONORS- Intermediate Latin Literature: Grades 11-12**

Prerequisites: Latin 3 Honors and Teacher Recommendation

Students in this course enhance their knowledge of classical culture. Advanced communication in Latin is addressed by using reading, writing and comprehension strategies. In addition to language structures and literature, students also study the influence of the Latin language and classical culture in modern society. Student who successfully complete this course are urged to continue their study at the AP level.

### **ADVANCED PLACEMENT LATIN: Grades 11-12 ONLY**

Prerequisites: Latin 3 Honors, Latin 4, and/or Teacher Recommendation

Students in this course will translate and discuss Caesar's *de Bello Gallico* and Vergil's *Aeneid* in preparation for the AP exam in Latin. They will critically examine both Latin and English excerpts from the texts, focusing on the historical, political, and cultural significance of characters and events. They will also analyze rhetorical devices and figures of speech, master Latin syntax and vocabulary, as well as explore a variety of additional texts, both prose and poetry.

## SPANISH

### **SPANISH 1- Introductory Spanish: Grades 9-12**

Prerequisites: None

This course introduces students to the Spanish language and the culture of various Spanish-speaking countries. Students focus on speaking, especially pronunciations, as well as beginning listening, reading, and writing skills. Due to the level of this course, it is not open to native or heritage speakers of Spanish.

### **SPANISH 2- Conversational Spanish: Grades 9-12**

Prerequisites: Spanish 1 and/or Teacher Recommendation

In this course students continue to develop and practice listening, speaking, reading, and writing skills, with the stress on interpersonal communication (conversation and informal writing). They learn about Spanish-speaking cultures in Latin America and Europe. This course can also be for students whose home language is Spanish, but who do not have much practice in reading or writing Spanish. They will build on the language skills they have, concentrating on reading and written expression. Students will also work on organization and analytical skills, which will help them prepare for state assessments in English reading and writing.

### **SPANISH 3 HONORS- Intermediate Spanish: Grades 9-12**

Prerequisites: Spanish 2 and/or Teacher Recommendation

During this year students expand their vocabulary and develop their writing and speaking ability. They begin to be able to discuss and write about more abstract and complex topics. Students who successfully complete this honors course are urged to continue in the study of the Spanish language in the Spanish Composition and Conversation course or AP Spanish Language. This course can also be for students whose home language is Spanish or who have lived and gone to school in a Spanish-speaking country. They will build on their skills, increasing their vocabulary, reading more sophisticated texts, and polishing their writing style. This course will help them improve their Spanish language and comprehension and expression and give them skills that can help with state assessments in English reading and writing.

### **SPANISH 4 HONORS- Spanish Composition and Conversation: Grades 10-12**

Prerequisites: Spanish 3 Honors and/or Teacher Recommendation

Students in this course work at perfecting their speaking and writing. They acquire and practice using more advanced language structures and vocabulary, including idiomatic expressions. Students read and listen to materials from authentic sources to learn about Spanish-speaking cultures. They begin to focus on AP themes such as Beauty and Esthetics, Family and Community, and Science and Technology.

### **ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE: Grades 11-12 ONLY**

Prerequisites: Spanish 3 Honors, Spanish 4 Honors, and/or Teacher Recommendation

AP Spanish Language and Culture is a college-level course that prepares students for the new Advanced Placement exam in Spanish Language and Culture. Using authentic written and audio

sources, such as magazine articles, videos, and podcasts, students gain information about the Hispanic world and compare it to non-Hispanic cultures they know.

### **ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE: Grades 11-12 ONLY**

Prerequisites: Spanish 4 Honors, AP Spanish Language and Culture, and/or Teacher Recommendation

This is a college-level course that prepares students for the Advanced Placement exam in Spanish Literature and Culture. Students explore various reading selections by Spanish and Latin American writers, learning about the culture that produced the works while studying the works themselves. In this way, they expand their cultural knowledge as well as learn about literary styles and themes. The students develop sophisticated vocabulary and composition skills in this course.

## **AVID**

### **Department Head: Valerie Houston**

AVID - Advancement Via Individual Determination - is a four-year college preparatory, AP support class. The course provides lessons and strategies that reinforce organization, time-management, and note-taking skills. Writing focus lessons, inquiry, collaboration, and reading are practiced weekly which enhances critical thinking. The course provides reinforcement of the essential skills required for college readiness. In addition, serious preparation for college occurs in the AVID classroom.

#### **AVID I-IV**

AVID I - Freshman, AVID II - Sophomore, AVID III - Junior, AVID IV - Senior Prerequisites: Teacher interview, application

## **AFJROTC**

### **Direct questions to Muhammed Conteh**

AFJROTC is a congressionally mandated elective citizenship program under Title 10 United States Code Law whose mission is: "To develop citizens of character dedicated to serving their nation and community." AFJROTC emphasizes life skills based on the core values of "integrity first, service before self, and excellence in all we do." There is NEVER any obligation to join the military.

The AFJROTC curriculum requires the student to wear their uniform one day a week to all classes. In addition, the student is required to meet reasonable USAF grooming standards as they relate to hair, jewelry, earrings, facial hair, etc. The curriculum for this course is 40% Aerospace Science, 40% leadership, and 20% wellness. Two years of AFJROTC will satisfy the graduation requirement for HOPE and a PERFORMING ART.

### **Aerospace Science I and Leadership Education (LE) 100**

Course Description: The course curriculum includes Aerospace Science (AS) and Leadership Education (LE). The AS curriculum goal is to acquaint cadets with the historical development of flight progressing through time to modern day. Cadets study the

development of flight from ancient legends to the Space Shuttles and the structure of the aerospace community and the U.S. Air Force. The LE curriculum goal is to acquaint cadets with information about military traditions, citizenship, the U. S. government, wellness, health, and fitness.

### **Aerospace Science II and Leadership Education (LE) 200**

Course Description: The course curriculum includes Aerospace Science (AS) and Leadership Education (LE). The AS curriculum is designed to acquaint cadets with world affairs education and cultural training from the most critical regions of the world to include important historical data and their transition within the 21st century. The LE curriculum applies the key factors of effective communications, building and encouraging effective teams, and applying key behaviors for becoming a credible and competent leader.

### **Aerospace Science III and Leadership Techniques and Leadership Education (LE) 300**

Course Description: The course curriculum includes Aerospace Science (AS) and Leadership Education (LE). The AS curriculum focuses on the Exploration of Space to acquaint students with the solar system, the history and importance of space exploration, factors that affect traveling and living in space, and the legal, political, environmental, and economic aspects of space exploration. The Leadership Techniques cadets will be assigned a leadership position to assist in managing the group with AS IV cadets. LE curriculum focuses on life skills to include charting career opportunities, managing resources, and financial management.

### **Aerospace Science IV, Leadership Techniques, Leadership Development Honors and Leadership Education (LE) 400**

Course Description: The course curriculum includes Aerospace Science (AS) and Leadership Education (LE). The AS Honors course requires cadets to master greater skills



in the areas of management, organization, problem solving, communication and leadership. All Leadership Development honors cadets will be assigned to a leadership position to manage the entire group during their fourth year in AFJROTC. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. The LE curriculum provides exposure to the fundamentals of management.

### **Drill and Ceremony: Drill Curriculum (Cumulative)**

The purpose of Military Drill is to develop teamwork and leadership. It enables every cadet to build confidence and self-discipline. The Drill and Ceremony's course provides fundamental and in-depth instruction in Air Force drill and ceremonies. It concentrates on the elements of military drill, describes individual and group precision movements, procedures for saluting, parades, and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events; and have the opportunity to personally learn Air Force drill concepts and procedures. Coursework will be a combination of instruction, practice, demonstration, competition, and completion of workbook assignments.

**Wellness / Physical Training (PT) Program:** Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness/Physical Training (PT) Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. At least 20% of available class time is devoted to Wellness/PT instruction to satisfy PE credit requirements.

## **Career and Technical Education (CTE)**

**Department Head: Mark Coleman**

### **Gold Seal Vocational Scholars Award**

The Florida Gold Seal Vocational Scholars Award can be earned as part of the Florida Bright Futures Scholarship Awards which requires a 3.5 un-weighted GPA in 3 CTE credits.

### **Industry Certification Exams**

Most CTE programs offer students the opportunity to earn an industry certification, which has many benefits. It gives students a highly valued professional credential and helps students become more employable with higher starting salaries. These certifications are used to indicate that a professional has achieved a high level of knowledge and ability with a given application or set of skills.

## **Core Business Course**

After successful completion of Digital Information Technology, CTE students are encouraged to participate in program completion and strive to obtain and maintain required standards for Gold Seal and/or Workplace endeavors prior to graduation.

### **Digital Information Technology**

Grades: 9-12            1 credit

This course is designed to provide a basic overview of current business and information systems and

trends, focusing on developing fundamental computer skills. The course includes the exploration and use of databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

## Accounting Applications

### Accounting Applications 1

Grade 10-12            1 credit

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.

### Accounting Applications 2

Grade 11-12            1 credit

This course is designed to continue the study of accounting principles. The content includes voucher systems, cash receipts, petty cash, payroll records, and internal control systems.

### Accounting Applications 3

Grade 12                1 credit

This course continues the study of accounting principles and applies those principles to various entities. The content includes methods for determining the cost of merchandise inventory, general ledger account analysis, and the aging process.

## Digital Design

### Digital Design 1

Grade 10-12            1 credit            performing arts credit

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, measurement activities; and digital imaging as well as communication, collaboration, and decision-making activities; critical thinking; and problem solving.

### Digital Design 2

Grades 11-12            1 credit            performing arts credit

This course continues the development of basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing operations; layout, design, and measurement activities; and digital imaging as well as communication, collaboration, and decision-making activities; critical thinking; and problem solving.

### Digital Design 3

Grades 12                1 credit            performing arts credit

This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment to perform digital publishing and digital imaging activities as well as communication, collaboration, and decision-making activities; critical thinking; and problem solving.

## Web Development

### **Foundations of Web Design**

Grades 10-12            1 credit                            performing arts credit

This course is designed to provide students with opportunities to acquire and apply foundational skills related to web design.

### **User Interface Design**

Grades 11-12            1 credit                            performing arts credit

This course provides advanced concepts used in interface design. The content includes principles of Human Computer Interface (HCI), advanced page design using Cascading Style Sheets (CSS), advanced HTML commands, multimedia applications, Internet/Intranet tools, and website promotion.

### **Web Scripting Fundamentals**

Grades 12                1 credit                            performing arts credit

This course provides an introduction to scripting related to web development. The content primarily focuses on client-side scripting using JavaScript.

## Customer Service (Student Assistants)

Students will be assigned to assist either school administration or an individual teacher.

## **Customer Service Representative 1**

Grades 10-12 1 credit

This course provides instruction in the basic principles of customer service including knowledge of identification and classification of customer service, technology literacy related to customer service, human relations, leadership, organization, and communication skills, and the terminology unique to customer service.

## **Customer Service Representative 2**

Grades 11-12 1 credit

This course provides instruction concerning the duties and responsibilities of a customer service specialist, the telephone activities performed by a customer service representative, customer relations activities, job seeking and employability skills, and developing a career plan for a career in customer service.

## **Customer Service Representative 3**

Grade 12 1 credit

The purpose of this course is to provide students with the competencies required for employment at the career specialist level in the customer service industry.

## **AP Computer Science**

### **Advanced Placement Computer Science A**

Grades: 11-12 1 credit

Prerequisites: Java Programming Essentials or Teacher Recommendation

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a college level first-semester course in computer science. It also includes the study of data structures and abstraction. This course uses Java as the primary programming language.

### **Advanced Placement Computer Science Principles**

Grades: 10-12 1 credit

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions.

## Television Productions

### **Television Production I**

Grade: 9<sup>th</sup>/10<sup>th</sup> grade 1 credit

Priority given to students who plan to continue in TV production courses.

Television Production I allows students to produce video segments, emphasizes the basics of video production, including video operation, lighting, audio, scripting, computer-produced graphics, and editing.

### **Television Production II**

Grade: 10<sup>th</sup>/11<sup>th</sup> 1 credit

Prerequisites: Television Production I and application w/ teacher approval

Television Production II concentrates on the production of news packages, entertainment videos, commercials, and miscellaneous school video assignments. Students will also gain experience in writing and producing a multi-camera news show for the school.

### **Television Production III/IV**

Grade 11/12 1 credit

Prerequisites: Television Production II and application w/ teacher approval

Television Production IV concentrates on the production of the school's daily news show and the production of news packages, entertainment videos, commercials, and miscellaneous school video assignments.

## OJT – On the Job Training

### **OJT – On Job Training**

Grades: 11-12 1 credit

Requirement: Students must be employed & be enrolled or have taken a CTE course

OJT provides students the opportunity to earn school credit for real-world employment. Students must be employed and work 5 hours each week per period of OJT – students can take up to 2 periods of OJT per year. These work requirements are very strict – if a student loses their job for any reason, they must immediately begin searching for a new job or risk removal from class. Students are able to leave campus early after they have checked in with their teacher.

# **Fine and Performing Arts:**

**Department Head: Brian Dell**

## **Art**

### **Art**

The visual arts at Plant High School provide our students with opportunities for engagement in the creative process, visual literacy, and a comprehensive knowledge of art history.

### **Creating Two-Dimensional Art, I**

Grade: 9-12                      ½ Credit                      Prerequisites: None

Two-Dimensional Art I provides a foundation in art production vocabulary and terms. Included are drawing, painting, and mixed media techniques. Studio assignments prompt divergent thinking and creative problem solving. Assignments are sequentially ordered in a production-oriented process. Students need adequate study skills to pass a district exam. Student cost is approximately \$15.00.

### **Two-Dimensional Studio Art I**

Grades: 9-12                      1 credit                      Prerequisites: None

Two-Dimensional Studio Art 1 is a full year course that provides the student with a strong visual arts foundation focused primarily on design principles, visual literacy, personal creativity, and art production through a broad range of media and techniques. This course may be followed by Two-Dimensional Studio Art II, A.P. Drawing Portfolio and/or A.P. 2-D Design Portfolio. Student cost is approximately \$15.00.

### **Two-Dimensional Studio Art II**

Grades: 10-12                      1 credit                      Prerequisites: One full year of art, teacher recommendation, and a good work ethic.

Two-Dimensional Studio Art II is an intermediate level course for the advanced student. It builds upon the Two-Dimensional Studio 1 experience and features the opportunity for students to further develop their knowledge, technique, and creative direction. In addition, students will be prepared for potential entry into an A.P. Drawing or 2-D Portfolio if they choose this route. Student cost is approximately \$15.00.

### **Two-Dimensional Studio Art III Honors**

Grades 11-12 1 credit                      Prerequisites: Teacher recommendation, and a good work ethic.

Students demonstrate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop a personal art style. This course incorporates hands-on activities and consumption of art materials.

### **Three-Dimensional Studio Art 1**

Grade: 9-12            1 credit            Prerequisites: None

Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instruction may include, but is not limited to, content design, sculpture, ceramics, and/or building arts. Media may include, but are not limited to, clay, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Student cost is approximately \$15.00.

### **Advanced Placement Art Drawing Portfolio**

Grade: 10-12            1 credit            Prerequisites: Minimum of one full year of 2D art, teacher recommendation, and a good work ethic.

The AP Studio Art Drawing Portfolio is designed for the accelerated student who excels in drawing, painting, and other 2D media. The portfolio includes further studies in a variety of advanced mark making techniques, media use, and conceptual development. There will be a three-part portfolio developed for College Board review with the potential for college credit. Cost varies.

### **Advanced Placement Art 2-D Design Portfolio**

Grade: 10-12            1 credit            Prerequisites: Minimum of one full year of 2D art, teacher recommendation, and a good work ethic.

The AP Studio Art 2D Design Portfolio maintains a focus on design principles and is for the accelerated student who excels in any 2D media. The portfolio includes further studies in a variety of advanced design techniques and conceptual development. There will be a three-part portfolio developed for College Board review with the potential for college credit. Cost varies.

### **Advanced Placement Art 3-D Design Portfolio**

Grade: 10-12            1 credit            Prerequisites: Minimum of one full year of 3D art, teacher recommendation, and a good work ethic.

The AP Studio Art 3D Design Portfolio maintains a focus on design principles and is for the accelerated student who excels in any 3D media. The portfolio includes further studies in a variety of advanced design techniques and conceptual development. There will be a three-part portfolio developed for College Board review with the potential for college credit. Cost varies.

### **Advanced Placement Art History**

Grade: 10-12            1 credit            Prerequisites: High GPA, a recommendation from an English or AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis. Cost to student is approximately \$30.00

**Honors and Advanced Placement Course Note:** Academic rigor is an expectation. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning.

# Music

## Chorus

### **Women's Chorus (High/Low)**

Grades: 9-12            1 credit            Prerequisites: None

Women's Chorus (High/Low) gives students introductory experience in vocal and choral techniques. Students are grouped by their vocal range (Soprano/Alto), and are introduced to the fundamentals of singing, music reading, and stage presence through the study and performance of a wide variety of music. The public performance requirement is one per nine-week grading period. Uniform rental and activity fee are required. *May be taken as Chorus I, II, III, or IV depending on student's number of years enrolled in High School Chorus.*

### **Men's Chorus (High/Low)**

Grades 9-12            1 credit            Prerequisites: None

Men's Chorus (High/Low) gives students introductory experience in vocal and choral techniques. Students are grouped by their vocal range (Tenor/Bass), and are introduced to the fundamentals of singing, music reading, and stage presence through the study and performance of a wide variety of music. The public performance requirement is one per nine-week grading period. Uniform rental and activity fee are required. *May be taken as Chorus I, II, III, or IV depending on student's number of years enrolled in High School Chorus.*

### **Jr. Varsity Women's Chorus**

Grades: 10-12            1 credit            Prerequisites: Women's High/Low Range or Audition

Jr. Varsity Women's Chorus provides qualified students with the opportunity to sing in an auditioned developmental treble (Soprano/Alto) ensemble. Course content includes the development of vocal technique, musical literacy, and performance skills. Students will be introduced to the choral concepts of blend, balance, and tuning through the study and performance of a wide variety of music spanning all time periods and musical styles. Basic music reading skills are required. Public performance requirements are moderate. Uniform rental and activity fee are required. *May be taken as Chorus I, II, III, or IV depending on student's number of years enrolled in High School Chorus.*

### **Varsity Women's Chorus**

Grades: 10-12            1 credit            Prerequisites: Women's High/Low Range or Audition

Varsity Women's Chorus provides qualified students with the opportunity to sing in a large, advanced treble (Soprano/Alto) chorus. Course content includes the development of various vocal styles and advanced performance techniques through the study and performance of a wide variety of music spanning all time periods and musical styles. Vocal independence and music reading skills are required. Public performance requirements are moderate. Uniform rental and activity fee are required. *May be taken as Chorus I, II, III, or IV depending on student's number of years enrolled in High School Chorus. Juniors and seniors may take Chorus V/VI for honors credit.*



## **Varsity Chorale**

Grades: 10-12                      1 credit                      Prerequisites: Women's/Men's High/Low or Audition

Varsity Chorale provides qualified students with the opportunity to sing in an advanced mixed (Soprano/Alto/Tenor/Bass) ensemble. Course content includes the development of various vocal styles and advanced performance techniques through the study and performance of music from medieval times to the 20th century including jazz, multicultural and Broadway offerings. Vocal independence, music reading skills and prior ensemble experience are an absolute necessity. Public performance requirements are extensive. Uniform rental and activity fee are required. *May be taken as Chorus I, II, III, or IV depending on student's number of years enrolled in High School Chorus. Juniors and seniors may take Chorus V/VI for honors credit.*

## **A Cappella (Vocal Ensemble)**

Grades: 10-12                      1 credit                      Prerequisites: Concurrent enrollment in an auditioned chorus class and audition

A Cappella offers qualified students the opportunity to create and perform vocal music in a contemporary a cappella style. Repertoire is primarily of the pop/rock genre but may also include jazz and Broadway. Vocal independence and previous ensemble experience are essential. Performance requirements are extensive. *May be taken as Vocal Ensemble I, II, III, or IV depending on student's number of years enrolled in A Cappella.*

# **Band**

## **Campus Band**

Grade: 9-12                      1 Credit                      Prerequisites: None

This class is open to any and all students who wish to play a wind band instrument and meet their performing art graduation requirement without auditioning for an upper-level band class. Campus Band provides students with instruction and application of technical skills and musical knowledge through the study of varied band literature of the grade 2-3 level. Course content includes the development of tone production, rhythms, basic theory, and ensemble skills such as balance, blend, articulation and tuning. Public performances are expected and required to meet the performing arts requirement (*no after school rehearsals*). These include, but not limited to FBA District Concert Assessment, Fall, and Spring concerts. Participation in the Football Stands Band is highly encouraged; participation in the Marching Band is not required. Activity fee, uniform rental fee and/or instrument rental fee may be required, additional fees for participation in the Marching Band. *May be taken as Band I, II, III, or IV depending on student's number of years enrolled in High School Band.*

## **Symphonic Band**

Grade: 9 -12                      1 Credit                      Prerequisites: Prior Experience and Audition

Symphonic Band provides students with instruction and application of technical skills and musical knowledge through the study of varied band literature of the grade 3-4 level. Course content includes the development of tone production, rhythms, basic theory, and ensemble skills such as balance, blend, articulation and tuning. Public performances are expected and required to meet the performing arts requirement (*no after school rehearsals*). These include, but not limited to FBA District and State Concert Assessment, Fall, and Spring concerts. Participation in the Football Stands Band is highly encouraged; participation in the Marching Band is not required. Activity fee, uniform rental fee and/or instrument rental fee may be required, additional fees for participation in the Marching Band. *May be taken as Band I, II, III, or IV depending on student's number of years enrolled in High School Band.*

### **Wind Ensemble**

Grade: 9-12                    1 Credit                    Prerequisites: Prior Experience and Audition

This advanced “College Level” course provides students with instructions and applications of advanced technical skills and musical knowledge through the study of varied band literature of the grade 5-6 level. Course content includes the advancement of tone production, rhythms, ensemble skills such as balance, blend, articulation and tuning through the study and performance of college level concert literature. Public performances are expected and required to meet the performing arts requirement (*once a week after school commitment*). These include, but not limited to FBA District and State Concert Assessment, State and National Conventions, Winter, and Spring concerts. Select members of this ensemble will participate with the Philharmonic Orchestra. Participation in the Football Stands Band is highly encouraged; participation in the Marching Band is not required. Activity fee, uniform rental fee and/or instrument rental fee may be required, additional fees for participation in the marching band and national performances. *May be taken as Band I, II, III, or IV depending on student’s number of years enrolled in High School Band. Juniors and seniors may take Band V/VI for honors credit.*

### **Jazz Band**

Grades: 9-12                    1 credit                    Prerequisites: Prior Experience and Audition

The purpose of this course is to provide students with instruction in the development of a jazz ensemble using all styles of jazz, including but not limited to, rock, swing, Latin, be-bop, funk, and shuffle. Public performances are expected and required to meet the performing arts requirement. These include, but not limited to FBA District and State Jazz Assessment, Local and National Jazz Festivals, Fall, Winter, and Spring concerts. Activity fee is required; additional expense for uniform if needed. *May be taken as Jazz Ensemble I, II, III or IV depending on student’s number of years enrolled in Jazz Ensemble.*

### **Percussion Ensemble (Instrument Techniques)**

Grades: 9-12                    1 credit                    Prerequisites: Prior Experience and/or Director Approval

The purpose of this course is to provide students with instruction in all aspects of percussion, including but not limited to marching percussion, world percussion, concert percussion, and chamber percussion. Public performances are expected and required to meet the performing arts requirement. Participation in the Football Stands Band and/or Marching Band is required. Activity fee, instrument rental fee, and uniform rental fee is required, additional fees for participation in the marching band. Students are expected to purchase their own sticks/mallets once entered into the class. *May be taken as Instrument Techniques I, II, III, or IV depending on student’s number of years enrolled in Percussion Ensemble. Seniors may take Instrument Techniques for honors credit.*

### **AP Music Theory**

Grades: 11-12                    1 credit                    Prerequisites: Enrollment in Band, Drama, Chorus, or Orchestra and/or Teacher Approval

This course contains the study of fundamental terminology, notational skills, key signatures, and transposition during the Common Practice Period. Two-part counterpoint, harmonization of melodies and four-part realization of figured bass symbols will be studied. Extensive melodic, rhythmic, and harmonic ear training will be included. Completion of the class and a successful pass score on the AP exam will earn students an elective credit for college. Future Music Majors should take this class. Students are required to take the advanced placement exam in May.

# Orchestra

## Concert Orchestra

Grades: 9                      1 credit                      Prerequisite: Prior Experience and/or Teacher Approval.  
Students will have the opportunity to develop skills in musical ensembles on orchestral instruments. During this course, the musician will have a wide scope of instruction and musical awareness with emphasis on stringed instruments. Public performance requirements are moderate and include a school performance every grading period and FOA District Assessment as well as some community performances. Activity fees and uniform purchase are required. *May be taken only as Orchestra I.*

## String Orchestra

Grades: 10 -12                      1 credit                      Prerequisites: Concert Orchestra and/or Teacher Approval.  
Students will have the opportunity to develop skills in musical ensembles on orchestral instruments. During this course, the musician will have a wide scope of instruction and musical awareness with emphasis on stringed instruments. Public Performance requirements are minimal and include one school performance each grading period and the FOA District Assessment. Activity fees and uniform purchase are required. *May be taken as Orchestra II, III, or IV depending on student's number of years enrolled in High School Orchestra.*

## Philharmonic Orchestra

Grades: 9 – 12                      1 credit                      Prerequisite: Audition and/or Teacher Approval.  
Qualified students will obtain the opportunity to perform in an advanced orchestra ensemble through this course. These musicians will be instructed using the application of musicianship and technical skills through the study of varied orchestral literature. During the time of this course, students will continue developing their tone, balance, blend and tuning through the study and performance of many different orchestral literatures. Public performances are extensive, and some after-school rehearsals are required. Activity fees and uniform purchase are required. *May be taken as Orchestra I, II, III, or IV depending on student's number of years enrolled in High School Orchestra. Juniors and seniors may take Orchestra V/VI for honors credit.*

## Chamber Orchestra

Grades 10-12    Prerequisites: Audition and Teacher Approval.  
Qualified students will obtain the opportunity to perform in an advanced orchestra ensemble through this course. These musicians will be instructed using the application of musicianship and technical skills through the study of varied String orchestral literature. During the time of this course, students will continue developing their tone, balance, blend and tuning through the study and performance of many different orchestral literature. Public performance and after-school rehearsals are required. Activity fees and uniform purchase are required. *May be taken as Orchestra II, III, or IV depending on student's number of years enrolled in High School Orchestra. Juniors and seniors may take Orchestra V/VI for honors credit.*

## General MusicGuitar I

Grades: 9-12                      1 credit                      Prerequisites: None  
**Guitar I** provides students with the opportunity to grow as a performer and gain experience with simple notation. The class begins with the development of musical fundamentals, performance

techniques, and an interpretation of musical notation. Activity fee of \$15 is required; owning a guitar is encouraged as there are limited number of school instruments.

## **Guitar II, III, IV**

Grade: 9-12                      1 credit

Prerequisites: Guitar I or Teacher Approval

Students will need to know how to read standard notation. Students are given many performance opportunities to perform in concerts and concerts and various events in the community throughout the school year. Activity fee of \$15 is required; owning a guitar is encouraged as there are limited number of school instruments.

## **Theatre**

### **Introduction to Drama**

Grade: 9-12                      .5 Credits

Prerequisites: None

Students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading, and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

### **Theatre 1**

Grade: 9-12                      1 credit

Prerequisites: None

This course is designed for students with little or no theatre experience and promotes enjoyment and appreciation for all aspects of theatre. Classwork focuses on the exploration of theatre literature, performance, historical and cultural connections, and technical requirements. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and character development. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art.

### **Theatre 2**

Grade: 10-12                      1 credit

Prerequisites: Theatre 1 and teacher approval

This course is designed for students with a year of experience or more and promotes enjoyment and appreciation for all aspects of theatre through opportunities to build significantly on existing skills. Classwork focuses on characterization, playwriting, and playwrights' contributions to theatre; while improvisation, creative dramatics, and scene work are used to help students challenge and strengthen their acting skills and explore the technical aspect of scene work. Students may have outside the school day required activities. There may be student costs for activities.

### **Theatre 3 HONORS**

Grade: 10-12                      1 credit

Prerequisites: Theatre 2 and teacher approval

This course is designed for students with significant experience in theatre and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students will be required to participate in outside the class day



### **Musical Theatre III**

Grade: 11-12      1 credit

Prerequisites: Musical Theatre II

Musical Theatre II allows students to continue to perfect their musical theatre performance skills. Students will continue to develop an understanding of musical theatre history, learn more tricks of the trade (singing and dancing), and fine-tune the art of telling stories through song, while building a portfolio of Broadway-style, musical performance numbers.. Students will be required to participate in outside the class day activities. There may be student costs for activities.

## **Physical Education**

### **Department Head: Carrie Mahon**

The Physical Education, Health, and Drivers Education Department are staffed with experienced professionals dedicated to providing each student with lifelong skills that will enhance their knowledge and well-being concerning fitness, health management, and safety. It is a long-reaching scope of the disciplines taught that the students would develop and design a healthy lifestyle. \*\* All students are required to take 1 Credit HOPE Class. This class is the only required P.E. class for graduation.

### **Health Opportunities through Physical Education (HOPE)**

Grades: 9-12    1 Credit

This course is required for graduation. HOPE develops and enhances healthy behaviors that influence lifestyle choices and student health and fitness. Class combines physical participation in activities and classroom opportunities. Topics include mental health, communicable diseases, alcohol, drugs, CPR, AIDS, self-esteem, and goal setting. Many other health topics will be covered that will help prepare students to make healthy lifestyle choices. Participation in laboratory activities is required on a weekly basis and will enhance overall fitness including cardiovascular endurance, flexibility, and muscular endurance. This course is required for graduation.

### **Basketball 1**

Grades: 9-12      1/2 credit

This course provides opportunities to acquire knowledge and skills in basketball that may be used in recreational pursuits as well as to maintain or improve a student's personal fitness level. Basic skills will be tested for the sport and written tests concerning the rules and a brief history will be given. The course requires effort through participation in activities.

### **Basketball 2**

Grades 10-12 1/2 Credit

This course provides a more in-depth instruction of the fundamental skills, tactics, rules, and etiquette in basketball. Introduction to systems of play will be included to enhance the student's understanding. Advanced skills and drills which directly affect student's physical and cognitive abilities will be covered. Students will participate in advanced individual and team techniques in relationship to basketball strategy. Participation in course activities will continue to enhance healthy behaviors that influence students to participate in physical activities throughout their life.

### **Weight Training Beginning**

Grades: 10-12          1/2 Credit

This course will introduce the basic lifts, safety precautions, and spotting techniques involved in weight training. Strength development will meet the needs of student athletes who play interscholastic sports. The course requires effort through participation in mandatory activities.

### **Weight Training Intermediate**

Grades: 10-12          1/2 Credit

Prerequisites: Weight Training Beginning

The course is a continuation of beginning weights, including knowledge of muscle structure, bone structure, and designing individual weight programs. Strength development will meet the needs of student athletes who play interscholastic sports. The course requires effort through participation in mandatory activities.

### **Weight Training Advanced**

Grades: 10-12          1/2 Credit

Prerequisites: Weight Training Intermediate

This course includes the fundamentals of bodybuilding and power lifting. Students are encouraged to participate in weight training as a lifelong sport. Strength development will meet the needs of student athletes who play interscholastic sports. The course requires effort through participation in mandatory activities.

### **Team Sports I**

Grades: 9-12          1/2 Credit

This course is a physical education elective. The following sports will be covered: volleyball, softball, flag football, and soccer. Basic skills will be tested for each sport and written tests concerning the rules and history of the sport will be given. This course requires effort through participation in mandatory activities.

### **Team Sports II**

Grades: 10-12          1/2 Credit

Prerequisites: Team Sports I

This course provides opportunities to increase skills associated with basketball, volleyball, flag football, soccer, and softball. This course also provides more tournament (2 on 2, 3 on 3, 4 on 4) and game strategy. The course requires effort through participation in required activities.

### **Drivers Ed**

Grades 9-12\*                  1/2 Credit

Prerequisites: \*Must be 15 years of age or older at class opening and pay a lab fee of \$40.00

Drivers Education facilitates the development of attitudes, behaviors, and skills of the students through classroom instruction, auto range driving skills, and on the street driving practice. Upon completion of the course, the students can earn a driver's license waiver and insurance discount waivers.

Note (Any Unlicensed Student):

The 4-hour drug and alcohol course will be conducted as part of the curriculum and does not need to be taken online.

### **Aerobics**

Grades 9-12    1/2 Credit

This course meets an **elective** requirement for Physical Education. The purpose of this course is to

enable students to develop advanced-level knowledge of aerobic activities and fitness and to maintain or improve an individualized level of fitness. Topics will include safety practices; terminology; biomechanical and physiological principles; cardiorespiratory, and musculoskeletal systems; high and low impact aerobics; personal and group fitness activities; fitness assessment; nutrition; stress reduction; consumer issues and benefits of participation.