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# Dr. Phillips High School

## 2024-2025 Course Description Catalog

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[www.drphillipshs.ocps.net](http://www.drphillipshs.ocps.net)

6500 Turkey Lake Rd, Orlando, FL 32819

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# STANDARD DIPLOMA REQUIREMENTS

## What Students and Parents Need to Know

### What options lead to a standard diploma?

Successful completion of one of the following options:

- 24 credits
- Advanced International Certificate of Education (AICE) curriculum
- International Baccalaureate (IB) curriculum
- 18-credit Academically Challenging Curriculum to Enhance Learning (ACCEL)
- Career and Technical Education (CTE) Pathway (See section [s.] [1003.4282](#), Florida Statutes [F.S.] )

### What are the state assessment requirements?

Students must pass the following statewide assessments:

- Grade 10 English Language Arts (ELA) or a concordant score
- Algebra 1 end-of-course (EOC) or a comparative score

A waiver of assessment results is granted by the Individual Educational Plan (IEP) team for students with disabilities. Additionally, students who have been enrolled in an English for Speakers of Other Languages (ESOL) program for less than two years may meet the requirement for grade 10 ELA by satisfactorily demonstrating grade level expectations of formative assessments.

Refer to [Graduation Requirements for Florida's Statewide Assessments](#) for concordant and comparative scores.

Students enrolled in the following courses must participate in the corresponding EOC assessment, which constitutes 30 percent of the final course grade\*:

- Algebra 1
- Geometry
- Biology
- U.S. History

\*Special note: Thirty percent not applicable if not enrolled in the course but passed the EOC (Credit Acceleration Program [CAP]).

(See s. [1008.22](#), F.S.)

### What is the difference between the 18-credit ACCEL option and the 24-credit option?

- 2.5 elective credits instead of 7.5
- Physical Education is not required

### What is the difference between the CTE Pathway option and the 24-credit option?

- At least 18 credits are required
- 3.5 elective credits instead of 7.5
  - 2 credits in CTE courses, must result in a program completion and industry certification
  - 1.5 credits in work-based learning programs; Physical Education is not required
- Fine and Performing Arts, Speech and Debate, CTE or Practical Arts is not required

## 24-Credit Standard Diploma Requirements

Available To All Students, Including Students With Disabilities

4 Credits ELA
<ul style="list-style-type: none"> <li>• ELA 1, 2, 3, 4</li> <li>• ELA honors, Advanced Placement (AP), AICE, IB and dual enrollment may satisfy this requirement</li> </ul>
4 Credits Mathematics*
<ul style="list-style-type: none"> <li>• One of which must be Algebra 1 and one of which must be Geometry</li> <li>• Industry Certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra 1 and Geometry) **</li> <li>• An identified computer science*** credit may substitute for up to one mathematics credit (except for Algebra 1 and Geometry)</li> </ul>
3 Credits Science*
<ul style="list-style-type: none"> <li>• One of which must be Biology, two of which must be equally rigorous science courses</li> <li>• Two of the three required course credits must have a laboratory component</li> <li>• Industry Certifications that lead to college credit may substitute for up to one science credit (except for Biology)**</li> <li>• An identified computer science*** credit may substitute for up to one science credit (except for Biology)</li> </ul>
3 Credits Social Studies
<ul style="list-style-type: none"> <li>• 1 credit in World History</li> <li>• 1 credit in U.S. History</li> <li>• 0.5 credit in U.S. Government</li> <li>• 0.5 credit in Economics</li> </ul>
0.5 Credit in Personal Financial Literacy****
1 Credit Fine and Performing Arts, Speech and Debate, Career and Technical Education, or Practical Arts*
1 Credit Physical Education*
<ul style="list-style-type: none"> <li>• To include the integration of health</li> </ul>
7.5 Elective Credits
<p>Students must earn a 2.0 unweighted grade-point average (GPA) on a 4.0 scale for all cohort years and pass statewide, standardized assessments.</p>

\*Eligible courses are specified in the [Florida Course Code Directory](#).

\*\*[Industry certifications](#) for which there is a statewide college credit articulation agreement approved by the State Board of Education may substitute for mathematics and science credit.

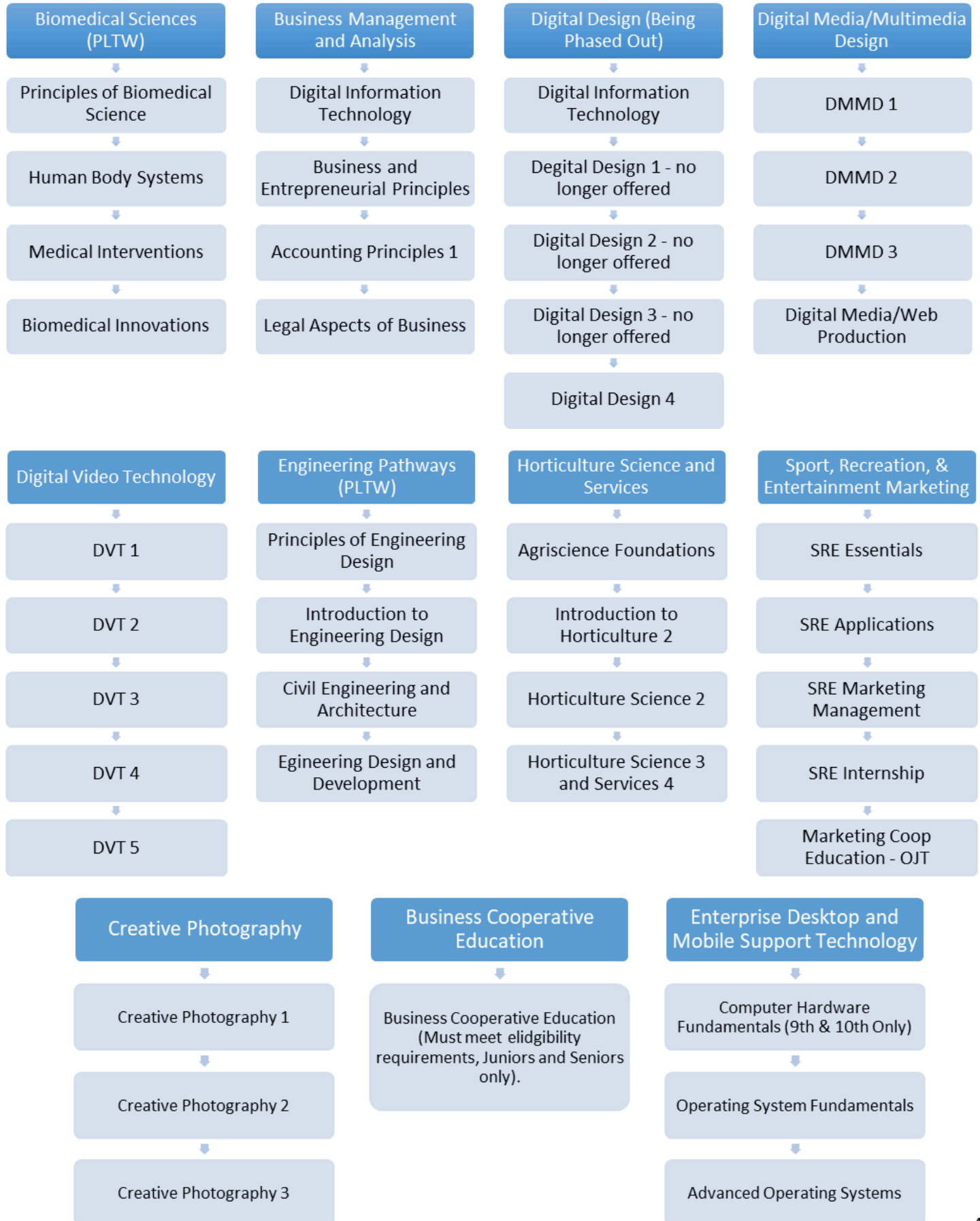
\*\*\*A computer science credit may not be used to substitute for both a mathematics and science credit.

\*\*\*\*This requirement was added for students entering grade nine 2023-2024 and thereafter.

Graduation requirements are current as of the Curriculum Guide publication date but are subject to legislative changes.

For more information, please visit <http://www.fldoe.org/academics/graduation-requirements/>

# 2024-2025 CAREER PATHWAYS



# ADVANCE PLACEMENT

## AP CAPSTONE DIPLOMA OPTION AND CERTIFICATE

The AP Capstone program required the completion of six AP courses, AP Seminar and AP Research must be included within the six. These two courses are uniquely aligned with core habits of mind, practices, and skills that research has identified as critical to college and career success.

AP Capstone Certificate	AP Capstone Diploma
<ul style="list-style-type: none"> <li>• Six AP Courses including:               <ul style="list-style-type: none"> <li>◦ AP Seminar</li> <li>◦ AP Research</li> </ul> </li> <li>• AP exam score of 3 or higher on both AP Seminar and AP Research</li> </ul>	<ul style="list-style-type: none"> <li>• Six AP Courses including:               <ul style="list-style-type: none"> <li>◦ AP Seminar</li> <li>◦ AP Research</li> </ul> </li> <li>• AP exam score of 3 or higher on both AP Seminar and AP Research, and four additional AP courses</li> </ul>

\*For more information about Advance Placement, please visit the [College Board](#).

\*\*Please visit the [College Board: College Credit](#) for information about earning college credit with AP exam scores.

# DPHS COURSE DESCRIPTIONS

## ENGLISH LANGUAGE ARTS – ELA

### **ENGLISH 1 (1001310)**

Study of world literature with an emphasis on reading, comprehension skills, and vocabulary. Grammar skills will be incorporated with writing and organization patterns.

### **ENGLISH 1 HONORS (1001320)**

Study of world literature with an emphasis on reading, comprehension skills, and vocabulary. Grammar skills will be incorporated with writing and organization patterns.

### **ENGLISH 2 (1001340)**

English 2 uses texts of high complexity to provide grade 10 students integrated instruction in reading, writing, speaking, listening, and language for college and career preparation. This course focuses on literature which includes novels, short stories, informational texts, poetry, and classic drama. Additionally, it emphasizes skills tested on the FAST such as grammar, composition, vocabulary, and evidence-based writing.

### **ENGLISH 2 HONORS (1001350)**

English 2 uses texts of high complexity to provide grade 10 students integrated instruction in reading, writing, speaking, listening, and language for college and career preparation. This course focuses on literature which includes novels, short stories, informational texts, poetry, and classic drama. Additionally, it emphasizes skills tested on the FAST such as grammar, composition, vocabulary, and evidence-based writing.

### **CAMBRIDGE AICE ENGLISH LANGUAGE AS LEVEL (1001550)**

*Prerequisite: Sophomores Only*

Cambridge International AS Level English Language provides learners with the opportunity to study English language and its use in communication. Learners will be encouraged to respond critically to a wide variety of texts in a range of forms, styles, and contexts, and to promote skills of communication, reading, research and analysis. Through their study, learners will develop an ability to read and analyze material, gaining further knowledge and understanding of English language features and issues. Learners will also develop the skills of writing clearly, accurately, creatively and effectively for different purposes.

### **ENGLISH 3 (1001370)**

The purpose of this course is to provide grade 11 students, using texts of high complexity, an integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness. English III is a chronological study of non-fiction and fiction. Students will analyze and evaluate informational and literary works in conjunction with American historical events beginning with exploration and settlement and continuing into the contemporary period. Through reading and viewing multiple mediums, students will explore major questions surrounding the American identity, literature as a reflection/shaper of society, and the relationship between literature and setting. In tandem with literary study, students will also sharpen their writing skills through the method of presenting arguments and providing appropriate evidence to support those arguments. Furthermore, students will be taught strategies to help them adequately prepare for college-entrance exams.

### **ENGLISH 3 HONORS (1001380)**

The purpose of this course is to provide grade 11 students, using texts of high complexity, an advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness aligned with English 3, and at a greater depth. 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.

### **ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION: Junior year (1001420)**



Learn about the elements of argument and composition as you develop your critical-reading and writing skills. Students will read and analyze nonfiction works from various periods and write essays with different aims: for example, to explain an idea, argue a point, or persuade your reader of something. Skills learned: close reading, analyzing, and interpreting a piece of writing, evaluating a source of information, gathering and consolidating information from different sources, writing an evidence-based argument, and drafting and revising a piece of writing. Taking the College Board AP exam is a requirement.

### **ENGLISH 4 (1001400)**

Aims for academic excellence in language arts through a program emphasizing British literature and proficiency in composition, ACT/SAT vocabulary, and ACT/SAT reading comprehension skills. Classic works provide a chronological study of British literature and reflection of the historical development of the English language. Writing activities and two documented papers will be required. 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.

### **ENGLISH 4 HONORS (1001410)**

Aims for academic excellence in language arts through a program emphasizing British literature and proficiency in composition, ACT/SAT vocabulary, and ACT/SAT reading comprehension skills. Classic works provide a chronological study of British literature and reflection of the historical development of the English language. Writing activities and two documented papers will be required. 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. This course is a deeper extension of English 4 with emphasis on literature, proficiency in composition, ACT/SAT vocabulary and reading comprehension skills.

### **ADVANCED PLACEMENT ENGLISH LITERATURE/ COMPOSITION: Senior year (1001430)**

The course content will follow the outline by the College Board for Advanced Placement English Literature/Composition. This course involves the study and practice of writing about literature. Students learn to use modes of discourse, rhetorical strategies, and critical standards for literary works. This course relates literature to contemporary experience and/or history. Taking the College Board AP exam is a requirement.

### **CAMBRIDGE AICE ENGLISH GENERAL PAPER (1009400)**

*Prerequisite: Freshman and Sophomores Only*

The purpose of this course is to encourage students to make cross-curricular links; to develop a maturity of thought appropriate to students at this level; and to achieve an understanding and usage of the English language which enables them to express arguments, ideas and opinions in a reflective and academic manner. An awareness of the wider implications of particular issues will enhance the quality of the student's response to the questions; the General Paper is not a test of general knowledge. The key objective is for the student to convey information or opinion in a way that is thoughtful, perceptive and immediately intelligible to the reader. The Advanced International Certificate of Education (AICE) is an international pre-university curriculum and examination system administered by University of Cambridge International Examinations. This course includes embedded assessments and an internationally scored end-of-course assessment.

### **ENGLISH 1-4 THROUGH ESOL**

*Prerequisite: Teacher Recommendation*

Designed for students with limited English proficiency. The course develops listening, speaking, reading, and writing skills through the study of the same grade-level content as the English 1 through 4 curriculum. ESOL 1-4 is the same course description as English 1-4.

### **DEVELOPMENTAL LANGUAGE ARTS THROUGH ESOL 9-12<sup>th</sup> GRADE (1002380)**

*Prerequisite: Teacher Recommendation*

The purpose of this course is to provide students who are native speakers of languages other than English instruction enabling students to accelerate the development of reading and writing skills and to strengthen these skills so they are able to successfully read, write, and comprehend grade level text independently. Instruction emphasizes reading comprehension and vocabulary through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used

for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text.

## **DEBATE 1 (1007330)**

Debate 1 develops students' beginning awareness, understanding, and application of language arts as they apply to oral communication concepts and strategies for public debate in a variety of given settings. Students will be given the opportunity to engage in competition outside of regular classwork. Debate 1 will act as a survey course over all of the categories that Speech and Debate has to offer.

## **DEBATE 2 (1007340)**

*Prerequisite: Debate 1*

Debate 2 continues to develop students' awareness, understanding, and application of language arts as they apply to oral communication concepts and strategies for public debate in a variety of given settings. Students will take lessons from Debate 1 and apply them to both classwork and competition opportunities as they emerge. Students will focus on one specific event to develop in the second semester as they refine knowledge gained over the first three semesters of debate.

## **DEBATE 3 HONORS (1007350)**

*Prerequisite: Debate 2*

Debate 3 Honors students' engages an enhanced awareness, understanding, and application of language arts as they apply to advanced oral communication concepts and strategies for public debate in a variety of given settings. Students will choose a specific Speech or Debate event and continually focus and innovate throughout the semester(s) getting the opportunity to practice their event at various competitions throughout the year.

## **DEBATE 4 HONORS (1007360)**

*Prerequisite: Debate 3*

Debate 4 Honors applies advanced oral communication concepts and strategies for public debate in a variety of given settings. Some work outside of the regular school day may be required. Students will choose a specific Speech or Debate event and continually focus and innovate throughout the semester(s) getting the opportunity to practice their event at various competitions throughout the year. Regular participation on the debate team is highly encouraged to maximize learning opportunities for this course.

## **JOURNALISM 5 HONORS (1006331A)**

*Prerequisite: Teacher Recommendation*

*Co-Requisite: Must be taken with Journalism 6 Honors*

Provides skills for effective journalism study and application. Explores careers in journalism with heavy emphasis in writing style and article development, as well as the latest technologies in desktop publishing. Taught in an IBM lab, students learn up-to-date skills, including interviewing, news and feature writing, layout, design, production, word processing, and advertising sales and design. Provides some opportunity for students to assist yearbook and newspaper staff.

## **JOURNALISM 6 HONORS (1006332A)**

*Prerequisite: Teacher Recommendation*

*Co-Requisite: Must be taken with Journalism 5 Honors*

Provides skills for effective journalism study and application. Explores careers in journalism with heavy emphasis in writing style and article development, as well as the latest technologies in desktop publishing. Taught in an IBM lab, students learn up-to-date skills, including interviewing, news and feature writing, layout, design, production, word processing, and advertising sales and design. Provides some opportunity for students to assist yearbook and newspaper staff.

## **JOURNALISM 7 HONORS (1006333A)**

*Prerequisite: Teacher Recommendation*

*Co-Requisite: Must be taken with Journalism 8 Honors*



Provides skills for effective journalism study and application. Explores careers in journalism with heavy emphasis in writing style and article development, as well as the latest technologies in desktop publishing. Taught in an IBM lab, students learn up-to-date skills, including interviewing, news and feature writing, layout, design, production, word processing, and advertising sales and design. Provides some opportunity for students to assist yearbook and newspaper staff.

## **JOURNALISM 8 HONORS (1006334A)**

*Prerequisite: Teacher Recommendation*

*Co-Requisite: Must be taken with Journalism 7 Honors*

Provides skills for effective journalism study and application. Explores careers in journalism with heavy emphasis in writing style and article development, as well as the latest technologies in desktop publishing. Taught in an IBM lab, students learn up-to-date skills, including interviewing, news and feature writing, layout, design, production, word processing, and advertising sales and design. Provides some opportunity for students to assist yearbook and newspaper staff.

## **ADVANCED PLACEMENT CAPSTONE SEMINAR (1700500)**

*Prerequisite: Juniors Only; Teacher Placement*

This interdisciplinary course encourages students to demonstrate critical thinking, collaboration, and academic research skills on topics of the student's choosing. To accommodate the wide range of student topics, typical college course equivalents include interdisciplinary or general elective courses. Students will develop and practice the skills in research, collaboration, and communication that are needed in any academic discipline and investigate topics in a variety of subject areas, write research-based essays, and design and give presentations both individually and as part of a team, as well as learn how to write proper academic research papers that equate to 55% of their AP composite score. AP Capstone is blocked together with AP English in the junior year.

## **ADVANCED PLACEMENT CAPSTONE RESEARCH (1700510)**

*Prerequisite: Seniors Only; AP Capstone Seminar*

This is an interdisciplinary course that encourages students to demonstrate critical thinking and academic research skills on a topic of the student's choosing. To accommodate the wide range of student topics, typical college course equivalents include introductory research or general elective courses. Students will build on what they learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, they will design, plan, and conduct a year-long-research-based investigation to address a research question and defend it against a panel. This equates to 100% of their AP composite score for research. Completion of AP Capstone Seminar and AP Capstone Research in conjunction with four passing AP exams in other disciplines earns the student an AP Capstone Diploma.

## **CAMBRIDGE AICE GLOBAL PERSPECTIVES AND RESEARCH (1700364)**

*Prerequisite: Juniors Only*

Cambridge International Global Perspectives and Research is a skills-based course that prepares learners for positive engagement with our rapidly changing world. Learners broaden their outlook through the critical analysis of - and reflection on - issues of global significance. They will develop unique, transferable skills including research, critical thinking and communication by following an approach to analyzing and evaluating arguments and perspectives called the 'Critical Path'. Collaborative skills are enhanced through participation in a team project. The skills gained through study of this course help students to meet the demands of Twenty-First century learning, preparing the transition to higher education and the world of work.

## MATHEMATICS

### **ALGEBRA 1A (1200370)**

*Prerequisite: Teacher Placement*

This course will extend the math students learned in middle school. A deeper and more extended understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will be engaged in methods for analyzing, solving, and using quadratic functions.

### **ALGEBRA 1 (1200310)**

Topics include properties of the real number system, rational and irrational numbers, exponents, square roots, radicals, absolute value, scientific notation, patterns, relations, functions, variables, algebraic expressions, polynomials, coordinate geometry, graphing of equations and inequalities, introductory statistics, probability, quadratic equations, and systems of equations. Students must pass the End of Course Exam (EOC). Algebra 1 and Algebra 1 Honors prepare students for the same state EOC.

### **ALGEBRA 1 HONORS (1200320)**

Topics include properties of the real number system, rational and irrational numbers, exponents, square roots, radicals, absolute value, scientific notation, patterns, relations, functions, variables, algebraic expressions, polynomials, coordinate geometry, graphing of equations and inequalities, introductory statistics, probability, quadratic equations, and systems of equations. Students must pass the End of Course Exam (EOC). Algebra 1 and Algebra 1 Honors prepare students for the same state EOC.

### **GEOMETRY (1206310)**

*Prerequisite: Algebra 1/Algebra 1 Honors*

This course expands on the geometric themes taught in middle school. It includes logical reasoning and problem-solving using transformations and the relationships of Euclidean Geometry. There is a state mandated End of Course Exam which is factored as 30% of the student's final grade.

### **GEOMETRY HONORS (1206320)**

*Prerequisite: Algebra 1/Algebra 1 Honors*

This is the advanced version of the course required for a standard high school diploma in the state of Florida. This course is designed for students who excel in math and have a deep understanding of Algebra I. It includes reasoning and problem solving through formal proof and constructions. The relationships of Euclidean Geometry are used to increase the student's ability to reason abstractly. There is a state mandated End of Course Exam which is factored as 30% of the student's final grade.

### **ALGEBRA 2 (1200330)**

*Prerequisite: Geometry/Geometry Honors*

Topics covered include the review and extension of the structure and properties of the real number system; relations, functions, and graphs; polynomials and rational expressions; quadratic equations and inequalities; system of quadratic equations and inequalities; polynomial functions; rational and irrational exponents; logarithms and their use; operations with complex numbers; and problem solving.

### **ALGEBRA 2 HONORS (1200340)**

*Prerequisite: Geometry/Geometry Honors*

Honors Algebra 2 is a fast-paced, rigorous course. This course is a pathway to higher level mathematics. It is a prerequisite for Honors Pre-Calculus, with focus on preparation for the SAT. Foundational Algebra skills (ex. factoring, graphing, simplifying & solving equations with fractions) and academic responsibility are crucial for your success in this class. You will be building on your work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

**ADVANCED PLACEMENT PRECALCULUS (1202305)***Prerequisite: Algebra 2/Algebra 2 Honors*

Students explore everyday situations using mathematical tools and lenses. The proposed framework focuses on key units of study that colleges expect students to demonstrate to qualify for credit or placement. This course is a brand new course being offered by College Board for the 2023-2024 school year.

**ADVANCED PLACEMENT CALCULUS AB (1202310)***Prerequisite: Pre-Calculus*

The course content will follow the outline by the College Board for Advanced Placement Calculus. Topics include derivatives of functions and inverse functions, differentially and continuity, increasing and decreasing functions, concavity, points of inflections, antiderivatives, integration and applications of integration to find area and volume, and use of graphing calculator. Taking the College Board AP exam is a requirement.

**ADVANCED PLACEMENT CALCULUS BC (1202320)***Prerequisite: Advanced Placement Calculus AB*

The college-level course will follow the outline by the College Board for Advanced Placement Calculus. Topics include parametric, polar and vector functions; slope fields; Euler's method; improper integrals; series; and all topics included in the Advanced Placement Calculus AB course. Taking the College Board AP exam is a requirement.

**PROBABILITY & STATISTICS WITH APPLICATIONS HONORS (1210300)***Prerequisite: Algebra 2/Algebra 2 Honors*

Probability and Statistics introduces students to how data is collected, organized, and analyzed. Students will use data to make and draw conclusions. Students will do some basic statistical applications using Microsoft Excel, and/or a TI-84 calculator to test hypothesis and understand confidence intervals. A minimum of a scientific calculator is strongly recommended. This course will help to prepare students for Statistics at the post-secondary level, where it is often a General Education class.

**ADVANCED PLACEMENT STATISTICS (1210320)***Prerequisite: Probability and Statistics with Applications Honors*

The college level course will follow the outline by the College Board for Advanced Placement Statistics equivalent to an introductory, non-calculus-based college course in statistics, which is typically required for majors such as social sciences, health sciences, and business. Topics include exploring data by observing patterns, planning a study, anticipating problems using probability theory and simulation, and confirming models to make statistical inferences. Taking the College Board AP exam is a requirement.

**MATH FOR COLLEGE ALGEBRA (1200710)***Prerequisite: Algebra 2/Algebra 2 Honors or Teacher Placement*

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

**MATH FOR DATA AND FINANCIAL LITERACY HONORS (1200388)***Prerequisite: Algebra 2/Algebra 2 Honors*

This course covers the same context as Math for Data and Financial Literacy but at a more in-depth and accelerated pace.

**ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (0200335)***Prerequisite: Strong Algebra skills required*

Advanced Placement Computer Science Principles AP Computer Science Principles (AP CSP) introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP CSP prepares students for college and career opportunities. This course is one of the few AP courses that allows 9th graders to enroll. However, since some aspects require an understanding of mathematical concepts such as functions and logic, all students must be taking honors level mathematics regardless of their grade level.

**APPLIED COMMUNICATIONS, INTENSIVE READING AND/OR MATH**

These courses are designed for students who have earned a Level 1 or 2 on their prior year FSA ELA assessment and/or Algebra 1 EOC. The purpose of the course is to provide remediation in standards and skills within reading, writing, and/or Algebra 1 that are tested on the Florida Standards Assessment. All students who have earned a Level 1 or 2 on their prior year FSA ELA assessment and/or Algebra 1 EOC will be scheduled into these courses as one of their elective courses. Passing the 10th grade FSA ELA assessment and Algebra 1 EOC or earning a concordant ACT or SAT score is a requirement for graduation.

**10<sup>th</sup> GRADE INTENSIVE READING (1000414)**

*Prerequisite: Teacher Recommendation Required*

**12<sup>th</sup> GRADE INTENSIVE READING (1000418)**

*Prerequisite: Teacher Recommendation Required*

**LEARNING STRATEGIES (7963080)**

*Prerequisite: Teacher Recommendation Required*

**TRANSITION PLANNING (7960010)**

*Prerequisite: Teacher Recommendation Required*

## SCIENCE

**ENVIRONMENTAL SCIENCE (2001340)**

*Prerequisite: Class reserved for Freshman with Level 1 or 2 on F.A.S.T.*

General activities relating to the physical, chemical, and biological conditions of the environment and their effect on organisms. Topics include laboratory safety, the Scientific Method, evaluating resources, factors impacting ecosystems, ecosystem interactions, human populations, biogeochemical cycles, renewable/non-renewable resources, land use, changes over time, changes in populations, anthropogenic changes, climate change, and biotechnology. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

**BIOLOGY 1 (2000310)**

*Science Prerequisite: Environmental Science or teacher placement*

General activities related to the fundamental concepts of life. Topics include laboratory safety, the Scientific Method, introduction to biochemistry, cellular biology, basic principles of genetics, evolution, populations, classification, structure and function of plants, and the human body (nervous, cardiovascular, immune, and reproductive systems). Florida Biology End of Course (EOC) Exam accounts for 30% of the Final Grade calculation.

**BIOLOGY 1 HONORS (2000320)**

*Prerequisite: Freshman with a Level 3, 4, or 5 on F.A.S.T. or Environmental Science*

Advanced and general activities related to the fundamental concepts of life. Topics include laboratory safety, the Scientific Method, introduction to biochemistry, cellular biology, basic principles of genetics, evolution, populations, classification, structure and function of plants, and the human body (nervous, cardiovascular, immune, and reproductive systems). Florida Biology End of Course (EOC) Exam accounts for 30% of the Final Grade calculation.

**ADVANCED PLACEMENT BIOLOGY (2000340)**

*Science Prerequisites: \*Biology 1 Honors and Recommended Prerequisite Science: Chemistry 1 Honors*

*Math Prerequisite: Algebra 1/Algebra 1 Honors (Level 3, 4, 5)*

This is a college-level course. The course content will follow the outline by the College Board for AP Biology. Units include the chemistry of life, cell structure/function, cellular energetics, cell communication/cell cycle, heredity, gene expression/regulation, natural selection, and ecology. This course incorporates the use of Algebra 1 skills and writing to solve real world problems. Taking the College Board AP exam is a requirement.

**ANATOMY & PHYSIOLOGY HONORS (2000360)**

*Science Prerequisites: \*Biology 1/\*Biology 1 Honors and Chemistry 1/Chemistry 1 Honors*

Advanced and general activities related to the structures and functions of the human body. Topics include laboratory safety, the Scientific Method, human anatomical terminology; biochemistry, cells, tissues, and organs; as well as a thorough study of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immunity, respiratory, digestive, urinary, and reproductive systems. Laboratories will include an in-depth tissue study and dissections (sheep brain, cow eye, pig heart, and possible full cat). End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

**FORENSIC SCIENCE (2002480)**

*Prerequisite: Class reserved for Juniors, and Seniors only.*

This is a laboratory-based class designed for students to gain experience in the major investigative techniques currently used by forensic scientists and crime scene investigators, and to develop an understanding of the application of science to criminal and civil laws.

**CHEMISTRY 1 (2003340)**

*Science Prerequisite: \*Biology 1/\*Biology 1 Honors*

*Math Prerequisite: Algebra 1/Algebra 1 Honors (Level 3, 4, 5)*



General activities related to the composition, properties, and changes associated with matter, particularly at the level of atoms and molecules. The content includes classification/structure of matter, atomic theory, the Periodic Table, bonding, chemical formulas, chemical reactions, balancing chemical equations, stoichiometry, behavior of gases, physical changes, acids, bases, salts, and energy associated with physical and chemical changes. Laboratory investigations, which include the use of the Scientific Method, measurements, calculations, laboratory apparatus, and laboratory safety, are an integral part of the course. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

### **CHEMISTRY HONORS (2003350)**

*Science Prerequisite: \*Biology 1/\*Biology 1 Honors*

*Math Prerequisite: Algebra 1/Algebra 1 Honors (Level 4, 5)*

Advanced and general activities related to the composition, properties, and changes associated with matter, particularly at the level of atoms and molecules. The content includes classification/structure of matter, atomic theory, the Periodic Table, bonding, chemical formulas, chemical reactions, balancing chemical equations, stoichiometry, behavior of gases, physical changes, acids, bases, salts, and energy associated with physical and chemical changes. Laboratory investigations, which include the use of the Scientific Method, measurements, calculations, laboratory apparatus, and laboratory safety, are an integral part of the course. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

### **CAMBRIDGE AICE ENVIRONMENTAL MANAGEMENT (2001381)**

*Prerequisite: Class reserved for Sophomores and above*

This course develops scientific knowledge and understanding of global environmental issues and theories, and of the policies and strategies for managing the environment. The course covers the sustainable use and management of resources, and strategies that aim to protect the environment. Learners will interpret and analyze data and do investigative work.

### **ADVANCED PLACEMENT CHEMISTRY (2003370)**

*Science Prerequisites: \*Biology 1/\*Biology 1 Honors and Chemistry 1 Honors*

*Math Prerequisite: Algebra 1/Algebra 1 Honors (Level 4, 5)*

This is a college-level course. Successful completion and passing of the AP exam will result in college credit. The course content will follow the outline by the College Board for AP Chemistry. Units include atomic structure/properties, intermolecular forces/properties, chemical reactions, kinetics, thermodynamics, equilibrium, acids/bases, and application of thermodynamics. This course incorporates laboratory investigations, which includes the use of the Scientific Method, measurements, Algebra 1 skills, laboratory apparatus, and laboratory safety. Taking the College Board AP exam is a requirement.

### **ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (2001380)**

*Science Prerequisites: \*Biology 1/\*Biology 1 Honors and Chemistry 1/ Chemistry 1 Honors*

*Math Prerequisite: Algebra 1/Algebra 1 Honors (3, 4, 5)*

This is a college-level course. Successful completion and passing of the AP exam will result in college credit. The course content will follow the outline by the College Board for AP Environmental Science. Units include ecosystems, biodiversity, populations, Earth systems/resources, land/water use, energy resources/consumption, atmospheric pollution, aquatic/terrestrial pollution, and global change. This course incorporates the use of Algebra 1 skills and writing to solve real world problems. Taking the College Board AP exam is a requirement.

### **MARINE SCIENCE (2002500)**

*Science Prerequisite: \*Biology 1/\*Biology 1 Honors*

General activities related to an overview of the marine environment. Topics include laboratory safety, the Scientific Method, marine ecosystems, properties of water, aquatic systems, biogeochemical cycles, oceanic processes, distribution of aquatic life, interdependence/diversity in marine ecosystems, changes in marine ecosystems, and human impact on the marine environment. Laboratory dissection may include sea anemone, starfish, squid, crayfish, perch, and shark. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

**MARINE SCIENCE HONORS (2002510)**

*Science Prerequisites: \*Biology 1/\*Biology 1 Honors and Chemistry 1/ Chemistry 1 Honors*

Advanced and general activities related to an overview of the marine environment. Topics include laboratory safety, the Scientific Method, marine ecosystems, properties of water, aquatic systems, biogeochemical cycles, oceanic processes, distribution of aquatic life, interdependence/diversity in marine ecosystems, changes in marine ecosystems, and human impact on the marine environment. Laboratory dissection may include sea anemone, starfish, squid, crayfish, perch, and shark. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

**ASTRONOMY HONORS (2020910)**

*Science Prerequisites: \*Biology 1/\*Biology 1 Honors and Chemistry 1/ Chemistry 1 Honors*

*Math Prerequisite: Algebra 1/Algebra 1 Honors (Level 3, 4, 5)*

Advanced and general activities related to developing and applying knowledge of the universe and comparing the conditions, properties, and motions of bodies in the universe. Topics include the nature of science, the universe and solar system, development cycle of stars, Earth-moon system, space exploration, historical astronomy, astronomical instruments, astronomical coordinate systems. This course incorporates laboratory investigations, which includes the use of the Scientific Method, measurements, calculations, laboratory apparatus, and laboratory safety. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

**PHYSICS 1 HONORS (2003380)**

*Science Prerequisites: \*Biology 1/\*Biology 1 Honors*

*Math Prerequisite: Algebra 2/Algebra 2 Honors or higher (Grade A or B)*

*Math Corequisite: Pre-Calculus or higher recommended*

Designed as a college prep/ AP prep course. Focuses on application of math algebra and precalculus concepts using word problems almost exclusively. Advanced and general activities related to the natural laws that govern the universe. Topics include laboratory safety, the Scientific Method, linear motion, projectile motion, laws of motion, mechanical equilibrium, momentum, energy, Universal Law of Gravitation, circular motion, satellite motion, atoms, phases of matter, heat, electrostatics, current electricity, sound, light, interactions of light, and modern physics. Laboratory activities are included throughout the year in all topics. The student is expected to design and perform experiments; record, display and interpret results. Algebra 2 skills are used extensively all year as an application to Physics. End of year district Common Final Exam (CFE) accounts for 20% of the Final Grade calculation.

**ADVANCED PLACEMENT PHYSICS 1 (2003421)**

*Science Prerequisite: \*Biology 1/\*Biology 1 Honors*

*Math Prerequisite: Algebra 2/Algebra 2 Honors or higher (Grade A or B)*

*Math Corequisite: Pre-Calculus or higher recommended*

This is a college-level course. Successful completion and passing of the AP exam will result in college credit. The course content will follow the outline by the College Board for AP Physics 1. Units include kinematics, dynamics, circular motion/gravitation, energy, momentum, simple harmonic motion, torque, and rotational motion. Designed as a first-time physics course for students interested in Biology or Medicine as a career. Is accepted by most medical schools and is based on PreCalculus and mainly covers mechanics. Taking the College Board AP exam is a requirement. Colleges do not give credit for passing both AP Physics 1 and C: Mechanics.

**ADVANCED PLACEMENT PHYSICS C: MECHANICS (2003425)**

*Science Prerequisites: Physics 1 Honors (Grade A or B)*

*Math Prerequisite: Pre-Calculus or higher (Grade A or B)*

*Math Corequisite: AP Calculus A/B or AP Calculus B/C*

This is a college-level course. Successful completion and passing of the AP exam will result in college credit. Designed as a 2<sup>nd</sup> year course for students interested in Math, Physics, or Engineering as a career after taking Physics 1 Honors. It is based on AP Calculus A/B. The course content will follow the outline by the College Board for AP Physics C: Mechanics. Units include kinematics, Newton's Laws of Motion, work, energy, power, system of particles/linear momentum, rotation, oscillations, and gravitation. This is a rigorous calculus-based

physics course. Students are required to analyze situations and apply laws of physics to determine cause and effect relationships, perform mathematical calculations, and predict future behaviors of a system. Students are also required to design, perform, and analyze experiments based on various scenarios. Students are expected to apply the concepts of calculus to the concepts of physics in terms of calculations, conceptual reasoning, and data analysis. Taking the College Board AP exam is a requirement. Colleges do not give credit for passing both AP Physics 1 and C: Mechanics.

### **ADVANCED PLACEMENT PHYSICS C: ELECTRICITY AND MAGNETISM (2003430)**

*Prerequisite: Teacher approval required.*

This is a college-level course. Successful completion and passing of the AP exam will result in college credit. Designed as a 2<sup>nd</sup> year course for students interested in Math, Physics, or Engineering as a career after taking Physics 1 Honors. It is based on AP Calculus A/B. The course content will follow the outline by the College Board for AP Physics C: E and M. Units include electrostatics, conductors, capacitors, dielectrics, electric circuits, magnetic fields, and electromagnetism. This is a rigorous calculus-based, college-level physics course. It is especially appropriate for students planning to specialize or major in physical science or engineering. Introductory differential and integral calculus are used throughout the course. Taking the College Board AP exam is a requirement

### **AGRISCIENCE FOUNDATIONS HONORS (8106810)**

Laboratory investigations that include scientific inquiry, research, measurement, problem-solving, emerging technologies, tools and equipment, as well as, experimental quality, and safety procedures will be an integral part of this course. Students will interact with materials and primary sources of data or with secondary sources of data to observe and understand the natural world. Students will develop an understanding of measurement error, and develop the skills to aggregate, interpret, and present the data and resulting conclusions. Equipment and supplies will be provided to enhance these hands-on experiences for students. A minimum of 20% of classroom time will be dedicated to laboratory experiences.

## SOCIAL STUDIES

**ADVANCED PLACEMENT HUMAN GEOGRAPHY (2103400)**

*Prerequisite: FSA score 3 or higher and Freshman only*

AP Human Geography introduces high school students to college-level introductory human geography where students will see geography as a discipline relevant to the world in which they live. The content is presented thematically around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural landscapes, and patterns of interaction. Specific topics with which students engage include the following: problems of economic development and cultural change, consequences of population growth, changing fertility rates, and international migration, impacts of technological innovation on transportation, communication, industrialization, and other aspects of human life, struggles over political power and control of territory, conflicts over the demands of ethnic minorities, the role of women in society, and the inequalities between developed and developing economies, explanations of why location matters to agricultural land use, industrial development, and urban problems, the role of climate change and environmental abuses in shaping the human landscapes on Earth. Taking the College Board AP exam is a requirement.

**PERSONAL FINANCE & MONEY MANAGEMENT (2102371)**

*Prerequisite: Graduating class of 2027 and up only.*

*Course Information: Course is currently only offered through FLVS platform*

Learn one of life's most important lessons – making sound financial decisions! In this course, you will practice money management skills using real-life scenarios. This course teaches the skills and knowledge you need to become a wise consumer, saver, investor, user of credit, and planner. Topics include financial attitudes and behaviors, income and taxes, budgeting, buying goods and services, financial accounts, credit and loans, financial investing, and insurance and planning. Build your financial literacy skills to excel in today's global workforce and society. And if you are still asking yourself, when will I ever use this information? The answer is every day for the rest of your adult life.

**WORLD HISTORY (2109310)**

This course consists of the following content area strands: world history, geography, and the humanities. The study begins with the rise of the Byzantine Empire and concludes with contemporary world affairs. Topics covered include: geography, time-space relationships, religions, political and economic systems, revolutions around the world, the global phenomenon of nationalism, international relations, the influence of major historical figures, short-term and long-term effects of major events, the importance of scientific discoveries to societies, and the contributions and achievements of civilizations and nations.

**WORLD HISTORY HONORS (2109320)**

This course consists of the following content area strands: world history, geography and humanities. This course is a continues in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Student will be exposed to historical periods leading to the beginning of the 21<sup>st</sup> century. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events from ancient and classical civilizations.

**ADVANCED PLACEMENT WORLD HISTORY (2109420)**

The course content will follow the outline by the College Board for Advanced Placement World History. Students will acquire an in-depth understanding of the evolution of global processes and contacts in interaction with different types of human societies. The material covered extends from 8,000 B.C.E. to the present. This course satisfies the World History requirement for graduation. Taking the College Board AP exam is a requirement.

**UNITED STATES HISTORY (2100310)**

This course is a chronological study of the development of the United States from the Civil War to the present with emphasis on the twentieth century. It examines the political, economic, social, religious, cultural, military, Constitutional, and international events affecting the growth of the nation. This course has a state End-of-Course exam and is required for graduation.

**UNITED STATES HISTORY HONORS (2100320)**

This course is a comprehensive study of the development of the United States from the Civil War to the present with emphasis on the twentieth century. It examines the political, economic, social, religious, cultural, military, Constitutional, and international events affecting the growth of the nation. Historical analysis and interpretation are emphasized, and strong reading and writing skills are a necessity.

**ADVANCED PLACEMENT UNITED STATES HISTORY (2100330)**

AP United States History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places. These themes include: American and national identity; politics and power; work, exchange, and technology; American and regional culture; migration and settlement; geography and the environment; America in the world; and social structures. Strong reading and writing skills are a necessity. Taking the College Board AP exam is a requirement.

**AMERICAN GOVERNMENT (2106310)**

A study of political documents, analyses of 3 branches of government, changing nature of political parties and interest groups, and evaluations of citizen rights and responsibilities in a democratic state stressing critical thinking and decision making skills.

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Provides an in-depth study of political documents, analyses of 3 branches of government, changing nature of political parties and interest groups, and evaluations of citizen rights and responsibilities in a democratic state stressing critical thinking and decision making skills.

**ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS (2106420)**

The course content will follow the outline by the College Board for Advanced Placement U.S. Government and Politics. Content provides an analytical perspective on government and politics in the United States as well as a familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. This course satisfies the American Government requirement for graduation. Taking the College Board AP exam is a requirement.

**ECONOMICS (2102335)**

Topics for this course include role and impact of economic wants, productive resources, scarcity and choices, opportunity costs and trade-offs, economic incentives, specialization, comparative advantage, division of labor, interdependence, savings and investment, how markets work; the citizen as producer, consumer, and decision-maker; role and function of money, financial institutions, labor micro- and macro-economic problems, and similarities/differences of other economic systems.

**ECONOMICS HONORS (2102345)**

Provides students with a comprehensive understanding of societies, utilization of limited resources to satisfy unlimited wants, emphasizing principles of production, determination of prices, distribution of income, taxation, and monetary policy, role of government and economic problems of everyday life.

**ADVANCED PLACEMENT MACROECONOMICS (2102370)**

*Course Information: Rotates years offered with Advanced Placement Microeconomics*



The course content will follow the outline by the College Board for Advanced Placement Macroeconomics. Content includes a thorough understanding of the principles of economics that apply to an economic system as a whole. It emphasizes the study of national income and price determination, the financial sector, and inflation, unemployment, and stabilization policies. It develops familiarity with economic performance measures, productivity, economic growth, and national economics. Taking the College Board AP exam is a requirement.

## **ADVANCED PLACEMENT MICROECONOMICS (2102360)**

*Course Information: Rotates years offered with Advanced Placement Macroeconomics*

AP Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

## **ADVANCED PLACEMENT ART HISTORY (0100300)**

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 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.

## **PSYCHOLOGY 1 and 2 (2107300; 2107310)**

*Prerequisite: Juniors and Seniors only*

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. The content examined in this first introductory course includes major theories and orientations of psychology, psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, and mental health.

## **ADVANCED PLACEMENT PSYCHOLOGY (2107350)**

The course content will follow the outline by the College Board for Advanced Placement Psychology. The content introduces students to the study of the human mind and behavior by the completion of the course, students will have a better understanding of the workings of the human mind, mental processes, personality, development and mental disorders. Taking the College Board AP Exam is required.

## **CAMBRIDGE AICE PSYCHOLOGY (2107360)**

Cambridge International Psychology is designed to give students an understanding of psychological concepts, theories and research methodology. This course engages with four core areas of psychology: biological, cognitive, social, and learning. Students are encouraged to consider their relationships between psychological findings and everyday life. Additional areas covered may include: clinical psychology, consumer psychology, health psychology, or organizational psychology. The Advanced International Certificate of Education (AICE) is an international pre-university curriculum and examination system administered by University of Cambridge International Examinations. This course includes embedded assessments and an internationally scored end-of-course assessment.

## **AFRICAN AMERICAN HISTORY HONORS (2100336)**

*Prerequisite: Current Sophomores and Juniors only*

*Co-requisite: Examining the African American Exp. In the 20<sup>th</sup> Century*

The primary content emphasis for this course pertains to the study of the chronological development of African Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

## **GREAT MEN AND WOMEN OF COLOR WHO SHAPED WORLD HISTORY (2100345)**



*Prerequisite: Current Sophomores and Juniors only*

*Co-requisite: African American History Honors*

The course examines world history through the contributions of individuals. Students will learn about specific men and women of color who have shaped the world and changed the course of history. Students will understand that the development of our society was made possible through the efforts and contributions of people of various ethnicities. Students will study biographical accounts of individuals and learn how these historical figures have shaped the history, culture, and politics of our society. Though the focal point of this course is studying biographical accounts of historical figures, the larger goal is that students appreciate the contributions of men and women of color in a larger context of world history.

### **ANT2000 INTRO TO ANTHROPOLOGY – VALENCIA (CIS)**

*Prerequisite: Must be an accepted Valencia Dual Enrollment*

*Co-requisite: ANT2410 Cultural Anthropology (if taken on campus)*

### **ANT2410 CULTURAL ANTHROPOLOGY – VALENCIA (CIS)**

*Prerequisite: Must be an accepted Valencia Dual Enrollment*

*Co-requisite: ANT2000 Intro to Anthropology (if taken on campus)*

## AIR FORCE JROTC

The Air Force Junior Reserve Officer Training Corps (JROTC) is a four-year citizenship program. The mission of AFJROTC is to develop citizens of character dedicated to serving their nation and community. AFJROTC offers positive role models, a place to belong, excel, and be rewarded. Additionally, AFJROTC stresses and teaches the important values of citizenship, self-esteem, self-respect, service to community, pride in belonging, self-discipline, and personal, family, and social responsibility. It is a co-curricular class that requires mandatory attendance (as part of the grade received in the class) during after school hours and weekends for activities, special events, community service, military formations, competitions, etc.

*There is no commitment or obligation to serve in the armed forces as a result of participation in Air Force JROTC.*

### **ADVANCED AEROSPACE SCIENCE (1800340)**

*Co-requisite: Aerospace Science 1, 2, 3, or 4*

This course emphasizes the development and mastery of skills taught in the other Aerospace Science courses. It targets Advanced Drill and Ceremonies, Manual of Arms, as well as team building and group dynamics. The focus is on drill precision, proper military bearing and uniform wear/appearance, including respect of the uniform. The course also teaches how to lead and command small units, such as Color Guards and Drill Exhibition Teams.

### **AEROSPACE SCIENCE 1 (1800300)**

This is an introductory course to the Air Force JROTC program. It is an aviation history course with an emphasis on civilian and military contributions to aviation, as well as the development, modernization, and transformation of the Air Force. In addition, it contains sections on Air Force structure, uniform wear, customs and courtesies, military traditions, individual self-control and citizenship. Finally, it also incorporates physical fitness. The goal is to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. With 2 years of AFJROTC, you will receive credit for the HOPE credit and a Fine Arts Credit.

### **AEROSPACE SCIENCE 2 (1800310)**

*Prerequisite: Aerospace Science 1 or teacher recommendation*

An introductory course that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. In addition, students will learn basic communication skills in an effort to make them better at writing effectively, as well as becoming better public speakers. They will learn how to build personal awareness, which will help them to deal with different people, their attitude, and their actions. Finally, it also incorporates physical fitness. The goal is to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. With 2 years of AFJROTC, you will receive credit for the HOPE credit and a Fine Arts Credit.

### **AEROSPACE SCIENCE 4 (1800330)**

*Prerequisite: Aerospace Science 3 or teacher recommendation*

A customized course about the world's cultures specifically created for Air Force JROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. In addition, its aim is to provide an introduction to basic management concepts and skills, especially as they relate to managing the JROTC cadet corps. Along the way you will learn some of the history of management studies and encounter elements of more-recent management research. Finally, it also incorporates physical fitness. The goal is to motivate cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. With 2 years of AFJROTC, you will receive credit for the HOPE credit and a Fine Arts Credit.

### **ASC1000 PRINCIPLES OF AERONAUTICAL SCIENCE 1 – EMBRY RIDDLE**

*Prerequisite: Instructor approval required.*

An introductory course in Aeronautical Science designed to provide students with a broad-based aviation orientation in flight-related areas. The goal is to provide an overview of the past, present and future of the

aviation industry in the United States; the aircraft, its operations, and the environment in which these operations take place.

### **ATF1103 PRIVATE PILOT OPERATIONS – EMBRY RIDDLE**

*Prerequisite: Instructor approval Required*

*Industry Certification: FAA Pilot Ground School*

This course develops the aeronautical knowledge required for certification as a Private Pilot. This course provides the basic knowledge and skills to establish a firm foundation for a career as a professional pilot through the practical application of basic aerodynamics, aircraft performance, regulations, and flight planning in single pilot, single-engine aircraft. This course also provides a foundation and understanding of the essential elements of resource management and teamwork as required by the aviation industry.

### **ASC2560 UNMANNED AIRCRAFT SYSTEMS – EMBRY RIDDLE**

*Prerequisite: Instructor approval required; ASC1000 or ATF1103*

*Industry Certification: Small UAS Safety Certification Level 1*

This course is a survey of unmanned aircraft systems (UAS), emphasizing the military and commercial history, growth, and application of UASs. This course will include basic acquisition, use, and operation of the UASs with an emphasis on operations. It will provide an understanding of UAS development, a working knowledge of the UAS role in the aviation community, and an appreciation of the increasing importance of UAS in modern commercial and military missions.

### **ASC2562 UAS OPERATIONS AND CROSS COUNTRY DATA ENTRY – EMBRY RIDDLE**

*Prerequisite: Instructor approval required; ASC2560*

*Industry Certification: FAA Drone License; Small UAS Visual Syst. Op.-Ground*

This course will address the use of the various systems and navigation equipment that exists on unmanned aircraft. Students will learn to analyze and identify the different systems that are employed on unmanned aircraft. It will also provide an understanding of the core technologies of unmanned aircraft systems, such as design concepts, powerplants, control systems, and communication technologies utilized in current unmanned aircraft systems and/or likely to be used in the next few years. Particular attention will be given to the technical capabilities, best applications, and operational best practices of cross-country flight planning for today's UASs.

### **ASC2564 UNMANNED AIRCRAFT SYSTEMS SECURITY – EMBRY RIDDLE**

*Prerequisite: Instructor approval Required; ASC2562*

Unmanned Aircraft Systems Security is focused on the concepts of UAS security and protection. Through a combination of instructor lead discussion, assigned readings, and projects students will examine the concepts of security engineering, vulnerability, and malicious attack. Students will formulate opinions and strategies for protecting systems and assets from danger while understanding the implications of ignoring security concerns.

### **ASC2563 UAS APPLICATIONS IN AERIAL PHOTOGRAPHY – EMBRY RIDDLE**

*Prerequisite: Instructor approval Required; ASC2562*

*Industry Certification: Photoshop*

This course will familiarize students with the unique capabilities of aerial photography and videography techniques specific to the use of Unmanned Aircraft Systems (UAS). The primary goal of this course is to familiarize the student with guidelines, regulatory procedures, software, and optical theory necessary to operate photography/videography equipment in accordance with varied commercial applications, while also maintaining the highest level of safety. Students will gain practical experience and application level knowledge through the creation of professional photo and video products.

## AGRISCIENCE

### **AGRISCIENCE FOUNDATIONS HONORS (8106810)**

Laboratory investigations that include scientific inquiry, research, measurement, problem-solving, emerging technologies, tools and equipment, as well as, experimental quality, and safety procedures will be an integral part of this course. Students will interact with materials and primary sources of data or with secondary sources of data to observe and understand the natural world. Students will develop an understanding of measurement error, and develop the skills to aggregate, interpret, and present the data and resulting conclusions. Equipment and supplies will be provided to enhance these hands-on experiences for students. A minimum of 20% of classroom time will be dedicated to laboratory experiences.

### **AGRISCIENCE EDUCATION DIRECT STUDY (8100100)**

*Prerequisite: Teacher Recommendation*

### **INTRODUCTION TO HORTICULTURE 2 HONORS (8121510)**

*Prerequisite: Agriscience Foundations Honors*

This course is designed to provide students with skills and knowledge related to technologies used to grow intensively produced plants for human food and non-food uses and for personal or social needs. Each successive course increases in depth and application of knowledge and skill.

### **ANIMAL SCIENCE AND SERVICES (8106210)**

*Prerequisite: Agriscience Foundations Honors*

This course is designed to develop competencies in the areas of safety; animal behavior; animal welfare; animal control; and employability skills.

### **HORTICULTURE SCIENCE 3 HONORS (8121520)**

*Prerequisite: Agriscience Foundations Honors*

This course is designed to provide students with skills and knowledge related to technologies used to grow intensively produced plants for human food and non-food uses and for personal or social needs. Each successive course increases in depth and application of knowledge and skill.

### **HORTICULTURE SCIENCE AND SERVICES HONORS (8121610)**

*Prerequisite: Introduction to Horticulture 3 Honors*

This course is designed to provide students with skills and knowledge related to technologies used to grow intensively produced plants for human food and non-food uses and for personal or social needs. Each successive course increases in depth and application of knowledge and skill.

## BUSINESS EDUCATION

**DIGITAL INFORMATION TECHNOLOGY (8207310)**

The course is designed to provide a basic overview of current business and information systems trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills through word processing, spreadsheets, presentation applications and management of personal information. Students will learn to use technology effectively and will be successful both personally and professionally in an information-based society.

**DIGITAL DESIGN 4 HONORS (8209540)**

*Prerequisite: Digital Design 3*

This computer-based program of study will allow students to explore software to design and create a variety of multimedia products. Students will receive enhanced practical experiences in computer generated art and text, graphic design, graphic production, digital design skills, preparation of digital layouts and illustrations, scanning, and the development of specialized multimedia presentations.

**BUSINESS COOPERATIVE EDUCATION – OJT (8200410a,b,c)**

*Prerequisite: Teacher Recommendation*

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

**COMPUTER HARDWARE FUNDAMENTAL (CTS0000K/L)**

*Prerequisite: Freshman and Sophomores Only*

Students will learn how to use computer hardware and software. They will also conduct software installations and connect computers to networks so resources can be shared. Students will develop the knowledge base needed to identify compatibility, security issues and preventative maintenance of computers. The students, through hands-on activities and virtual labs learn to apply all these skills. This course will primarily prepare students for the CompTIA IT Fundamentals+ certification. \*\*Dual Enrollment Course through Orange Technical College.

**OPERATING SYSTEMS FUNDAMENTAL (CTS0001K/L)**

*Prerequisite: Computer Hardware Fundamentals*

This course introduces the fundamental concept of DC, AC and Digital electronics. Through the application of Ohm's law circuit analysis, students are shown how to operate electronic testing equipment to make electrical measurement. The students, through hands-on activities and virtual labs learn to apply all these skills. \*\*Dual Enrollment Course through Orange Technical College.

**ADVANCED OPERATING SYSTEMS (CTS0002K/L)**

*Prerequisite: Operating Systems Fundamental*

This course is an intensive introduction to networking and multiuser/multitasking network operating systems. Characteristics of Linux and Windows network operating systems will be discussed. Students will explore a variety of topics including installation and configuration procedures. More advanced administrative tasks such as troubleshooting issues, security issues, and remote access will be covered. This course helps students prepare for the CompTIA's Network+ Exam: N10-007. \*\*Dual Enrollment Course through Orange Technical College.

**BUSINESS ENTREPRENEURIAL PRINCIPLES (8215120)**

*Prerequisite: Digital Information Technology*

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Business Management and Administration career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, high-order reasoning and problem solving skills.

### **ACCOUNTING APPLICATIONS 1 (8203310)**

*Prerequisite: Business and Entrepreneurial Principles*

The purpose of this course is to give students an opportunity to apply knowledge and skills related to the area of keyboarding and business skills. The content includes but is not limited to a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments.

### **LEGAL ASPECTS OF BUSINESS (8215130)**

*Prerequisite: Accounting Applications 1*

This course is designed to provide an introduction to the legal aspects of business. Topics include business law concepts, forms of business ownership, insurance awareness, governmental regulations, management functions, human resources management issues, and career development. The use of computers is an integral part of this program.



## ENGINEERING PROGRAM (PROJECT LEAD THE WAY)

**PRINCIPLES OF ENGINEERING HONORS (8600520)***Prerequisite: Freshman and Sophomores Only**Co-Requisites: Must be paired with an Honors level Math*

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. Learning opportunities include: Exploration of careers in engineering, circuit and electrical principles, kinematics, renewable energy resources, material properties, coding (RobotC), thermodynamics, robot build and test, fluid power and control systems.

**INTRODUCTION TO ENGINEERING DESIGN HONORS (8600550)***Prerequisite: Principles of Engineering Honors**Co-Requisites: Must be paired with an Honors level Math*

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

Learning opportunities include: CAD (Computer Automated Design) and Drafting Experience, design process experience, computational and analytical skills, professional skills (including team collaboration, technical writing and presentation), tools and software (Autodesk Inventor, dial calipers).

**CIVIL ENGINEERING & ARCHITECTURE HONORS (8600590)***Prerequisite: Introduction to Engineering Design**Co-Requisites: Must be paired with an Honors level Math*

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software. Learning opportunities include: architectural history, residential design elements, universal design elements, commercial and industrial design elements, soil sampling, sieve use, land survey skills, Autodesk Revit certification opportunity, presentation, project management, storm water calculations, wastewater calculations, and urban planning considerations.

**ENGINEERING DESIGN & DEVELOPMENT HONORS (8600650)***Pre-requisite: Civil Engineerings & Architecture Honors**Co-Requisites: Must be paired with an Honors level Math*

The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

## WORLD LANGUAGES

**FRENCH 1 (0701320)**

French 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

**FRENCH 2 (0701330)**

*Prerequisite: French 1 or teacher recommendation*

French 2 reinforces the fundamental skills acquired by the students in French 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

**FRENCH 3 HONORS (0701340)**

*Prerequisite: French 2 or teacher recommendation*

French 3 provides mastery and expansion of skills acquired by the students in French 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities, which are important to the everyday life of the target language-speaking people.

**ADVANCED PLACEMENT FRENCH LANGUAGE (0701380)**

*Prerequisite: French 3 or teacher recommendation*

French 4 expands the skills acquired by the students in French 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied. Taking the College Board AP exam is a requirement.

**SPANISH 1 (0708340)**

Enables students to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Developing listening, speaking, reading, and writing skills and on acquisition of applied grammar.

**SPANISH 2 (0708350)**

*Prerequisite: Spanish 1 or teacher recommendation*

A continuation of skills and knowledge learned in Spanish 1. Students will acquire a deeper proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Additional deeper development of listening, speaking, reading, and writing skills and on acquisition of applied grammar.

**SPANISH 3 HONORS (0708360)**

*Prerequisite: Spanish 2 or teacher recommendation*

The primary purpose of the Spanish 3 Honors course is to help students master and expand the skills acquired in their Spanish 2 course through discussions of selected readings and writing activities. Also help students to attain the proficiency equivalent to a third year of college level of Spanish regarding their listening, speaking, reading and writing skills. The students therefore at the end of the course should be able to demonstrate: oral and written fluency in the language, proper use of grammar and syntax of the language, the ability to read and interpret written texts, the ability to express one's opinion on cultural and or contemporary issues, the ability to interpret aural selections, the ability to present information on a researched topic in Spanish, knowledge of the Spanish speaking culture and its people.

**ADVANCED PLACEMENT SPANISH LANGUAGE (0708400)**

*Prerequisite: Spanish 3, Spanish for Spanish Speakers 2, or teacher recommendation*

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). Taking the College Board AP exam is a requirement.

## **ADVANCED PLACEMENT SPANISH LITERATURE (0708410)**

*Prerequisite: AP Spanish Language or teacher recommendation*

The course, taught almost exclusively in Spanish, focuses on introducing students to representative texts from Peninsular Spanish, Latin American, and United States Hispanic literature. Students learn to analyze works of literature written in Spanish through historical, artistic, sociocultural, and geopolitical contexts. They also develop their interpersonal, presentational, and interpretive communication skills. Taking the College Board AP exam is a requirement.

## **CAMBRIDGE AICE SPANISH (0708538)**

*Prerequisite: Spanish for Spanish Speakers 1*

The course enables learners to achieve a greater fluency, accuracy and confidence in Spanish as it is spoken and written, and improve their communication skills. Students will learn how to improve their use of Spanish in a variety of situations, understanding how to read texts and other source materials, extract information, initiate conversations and respond to questions both orally and in writing.

## **CAMBRIDGE AICE SPANISH - LITERATURE (0708540)**

*Prerequisite: Two years of Spanish classes or Teacher Recommendation*

The course will study a series of works from Spanish literature. The aim is to understand these texts and the issues raised by the authors, and to develop the skills to communicate this understanding in a clear and focused way. Students will study a variety of texts, including novels, poems and plays, looking both at the way the authors have conveyed their ideas, and discussing the wider issues that each text raises.

## **CAMBRIDGE AICE SPANISH - FIRST LANGUAGE 1 AS LEVEL (0709360)**

*Prerequisite: Teacher Recommendation or Native Spanish Speaker*

Cambridge International AS Level First Language Spanish is designed for learners whose first language is Spanish. Cambridge International AS Level First Language Spanish builds on skills already established at Cambridge IGCSE level. Learners develop clear, accurate and effective communication in speech and writing. They learn how to employ a wide-ranging vocabulary, use correct grammar, spelling and punctuation, and develop a personal style and an awareness of the audience being addressed. Learners are also encouraged to read widely, both for their own enjoyment and to further their awareness of the ways in which Spanish can be used.

## **JAPANESE 1 (0712300)**

Japanese 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

## **JAPANESE 2 (0712310)**

*Prerequisite: Japanese 1 or Teacher Recommendation*

Japanese 2 provides students with more intermediate language and its culture. The student will deepen their communicative skills in all 3 modes of communication and cross-cultural understanding, which were learned in Japanese 1. Emphasis is placed on proficient communication in the language. A more intermediate

introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **JAPANESE 3 HONORS (0712320)**

*Prerequisite: Japanese 2 or Teacher Recommendation*

Japanese 3 provides students with more advanced language and its culture. The student will deepen their communicative skills in all 3 modes of communication and cross-cultural understanding, which were learned in Japanese 2. Emphasis is placed on proficient communication in the language. Advanced reading and writing is also included as well as culture, connections, comparisons, and communities.

### **ADVANCED PLACEMENT JAPANESE LANGUAGE AND CULTURE (0712340)**

*Prerequisite: Japanese 3 or Teacher Recommendation*

Japanese 4 provides students with more advanced language and its culture. The student will continue to enhance their communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on fluent communication in the language. Advanced reading and writing is also included as well as culture, connections, comparisons, and communities.

### **PORTUGUESE 1 (0713300)**

Introduces students to the language and culture of Portuguese speaking nations. Students will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **PORTUGUESE 2 (0713310)**

*Prerequisite: Portuguese 1 or Teacher Recommendation*

This course reinforces the fundamental skills acquired in Portuguese 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Portuguese 1. Reading and writing receive more emphasis, while oral communication remains the primary objective.

### **CAMBRIDGE AICE PORTUGUESE (0713366)**

*Prerequisite: Class reserved for Sophomores and above*

This course enables learners to achieve greater fluency, accuracy and confidence in the language as it is spoken and written, and improve their communication skills.

## BIOMEDICAL SCIENCES/MEDICAL ACADEMY (PROJECT LEAD THE WAY)

### **PRINCIPLES OF BIOMEDICAL SCIENCE (8708110)**

*Co-Requisite: Must be taken with Biology Honors*

In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

### **HUMAN BODY SYSTEMS (8708120)**

*Prerequisite: Principles of Biomedical Science*

*Co-Requisite: Must be taken with Chemistry Honors*

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action students build organs and tissues on a skeletal Manikin; use data acquisition software to monitor body functions such as muscle movement, reflex, and voluntary action, and respiration.

### **MEDICAL INTERVENTIONS (8708130)**

*Prerequisite: Human Body Systems*

*Co-Requisite: Must be taken with Advanced Placement Biology*

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail.

CERTIFICATION: Biotechnician Assistant Certification

### **BIOMEDICAL INNOVATION (8708140)**

*Prerequisite: Medical Intervention*

*Co-Requisite: Care and Prevention of Athletic Injuries and First Aid (if student has not already taken)*

Students build on the knowledge and skills gained from previous courses to design their own innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent project with a mentor or advisor from a university, medical facility, or research institution.

### **FIRST AID AND SAFETY (0800320)**

*Co-Requisite: Care and Prevention of Athletic Injuries*

Provides students with opportunities to acquire advanced skills in first aid; emergency care; and personal, community, and environmental safety. Content includes advanced first aid, two-person and infant CPR; and relief of obstructed airway and safety.

### **CARE AND PREVENTION OF ATHLETIC INJURIES (1502490)**

*Co-Requisite: First Aid and Safety*

This course provides students with the opportunities to acquire knowledge and skills related to the nature, prevention, care, and rehabilitation of athletic injuries that may be used in recreational pursuits today as well as in later life.

## PERFORMING ARTS: MUSIC & VOCALS

### **BAND 3 – FRESHMAN ONLY (1302320)**

Courses develop musicianship in band and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **BAND 4 – SOPHOMORES ONLY (1302330)**

Courses develop musicianship in band and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **BAND 5 HONORS – JUNIORS ONLY (1302340)**

Courses develop musicianship in band and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **BAND 6 HONORS – SENIORS ONLY (1302350)**

Courses develop musicianship in band and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **ORCHESTRA 3 (1302380)**

Courses develop musicianship in orchestra and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **ORCHESTRA 4 (1302390)**

Courses develop musicianship in orchestra and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **ORCHESTRA 5 HONORS (1302400)**

Courses develop musicianship in orchestra and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **ORCHESTRA 6 HONORS (1302410)**

Courses develop musicianship in orchestra and instrumental ensembles. Content includes development of characteristic tone production, performance techniques, musical literacy, and music appreciation. As a co-curricular, performance-oriented activity, attendance is required for rehearsals and performances beyond regular school hours.

### **INSTRUMENTAL TECHNIQUES 1 (1302420)**

*Prerequisite: Teacher Recommendation and Placement*

Students in this entry-level class focus on the development of musical and technical skills on a specific instrument through etudes, scales, and selected music literature. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills to be more disciplined performers. Public



performances may serve as a culmination of specific instrumental goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **INSTRUMENTAL TECHNIQUES 2 (1302430)**

*Prerequisite: Teacher Recommendation and Placement; Instrumental Tech. 1*

Students in this novice-level class continue to develop musical and technical skills on a specific instrument through developmentally appropriate solo literature, etudes, scales, and exercises. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills necessary to be more disciplined performers. Public performances may serve as a culmination of specific instrumental goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **INSTRUMENTAL TECHNIQUES 3 (1302440)**

*Prerequisite: Teacher Recommendation and Placement; Instrumental Tech. 2*

Students in this intermediate-level class develop their musical and technical skills further on a specific instrument, and expand their technical and performance skills, enhanced by historical and cultural background knowledge of the music. Students explore more demanding solo literature, etudes, and technical exercises with increasing independence. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **INSTRUMENTAL TECHNIQUES 4 HONORS (1302450)**

*Prerequisite: Teacher Recommendation and Placement; Instrumental Tech. 3*

Students in this advanced class refine their musicianship and performance skills on a specific instrument. Students prepare for post-secondary and community music experiences and develop artistry independently through a variety of advanced solos, etudes, and excerpts. Public performances may serve as a culmination of specific instrumental goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **JAZZ ENSEMBLE 1 (1302500)**

*Prerequisite: Audition Required*

Students with experience on an instrument suited for jazz ensemble explore the fundamentals of performances practices, improvisation, and music theory through a diverse repertoire of high-quality jazz literature. Students learn the basics of foundational jazz styles, use chord symbols, develop knowledge of musical structure, and study the history of jazz and its iconic musicians. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **JAZZ ENSEMBLE 2 (1302510)**

*Prerequisite: Audition Required*

Students with jazz experience become conversant with basic chord progressions and the scale/chord relationship, strengthen aural skills, and learn to improvise and compose melodies over progressions as they rehearse, perform, and study high-quality jazz ensemble literature. Musicians study jazz history and become familiar with the cultural context of various compositions and artists. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **JAZZ ENSEMBLE 3 (1302520)**

*Prerequisite: Audition Required*

Students with considerable jazz experience become conversant with more complex forms and harmonic progressions, and strengthen their aural and improvisational skills as they rehearse, perform, and study high-quality jazz ensemble literature. Musicians apply their theory skills to arranging, transposition, and composing; and study various periods, cultural contexts, compositions, and artists in jazz history. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend

and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

## **JAZZ ENSEMBLE 4 HONORS (1302530)**

*Prerequisite: Audition Required*

Students with extensive jazz experience will continue their skill development and continue to make progression from Jazz Ensemble 3. Public performances may serve as a culmination of specific instructional goals.

Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

## **CHORUS 1 (1303300)**

This chorus performs musical literature of various styles, cultures, and historical periods. Emphasis is placed on developing individual voices, listening concepts, and note reading. Attendance is required for rehearsals and performing beyond school hours as part of the grading procedure. Some after school rehearsals may be required.

## **CHORUS 2 (1303310)**

This year-long, beginning-level class, designed for students with one year of experience or less in a choral performing group, promotes the enjoyment and appreciation of music through performance of basic, high-quality choral music. Rehearsals focus on the development of critical listening/aural skills; foundational instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances.

## **CHORUS 3 (1303320)**

This year-long, formative class, designed for students with previous participation in a school chorus who have basic knowledge of note-reading and vocal technique, concentrates on providing students opportunities to strengthen existing skills in critical listening, vocal techniques, and ensemble performance using high-quality three- and four-part choral literature. Rehearsals focus on gaining independence in music literacy and aesthetic engagement through critical listening and thinking skills.

## **CHORUS 4 (1303330)**

This year-long, intermediate-level class is designed for students with previous participation in a high school chorus and moderate skills in critical listening, vocal techniques, music literacy, and choral performance. Rehearsals focus on enhancing these skills and students' aesthetic engagement with music through a variety of high-quality three- and four- part choral literature, providing students with the means to learn how to reflect and use a combination of analytical, assessment, and problem-solving skills consistently to improve their own and others' performance.

## **CHORUS 5 HONORS (1303340)**

This year-long, advanced class is designed for students with previous participation in a high school chorus who have demonstrated a capacity for developing advanced listening/aural skills and advanced knowledge of vocal techniques, musical literacy, and choral performance. Chorus V focuses on development and application of these skills and provides opportunities for aesthetic engagement and making individual musical choices, where appropriate, while preparing a variety of high-quality choral literature.

## **CHORUS 6 HONORS (1303350)**

This year-long, very advanced class is designed for students who have demonstrated a capacity for developing very advanced listening/aural skills and performance techniques, as well as very advanced knowledge of vocal techniques, musical literacy, ensemble skills, and related musical knowledge. Chorus VI focuses on managing, mastering, and refining these skills and techniques through a variety of high-quality choral literature at a high level of aesthetic engagement. Musical independence and student leadership are promoted through significant opportunities for peer mentoring, solo work, and participation as a performer, conductor, or coach in a small or large ensemble.

## **VOCAL TECHNIQUES 1 (1303400)**

*Prerequisite: Teacher Recommendation and Placement*

Students in this entry-level class focus on the development of musical and technical skills on a specific voice through etudes, scales, and selected music literature. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend and assess learning in the classroom.

**VOCAL TECHNIQUES 2 (1303410)***Prerequisite: Teacher Recommendation and Placement; Vocal Techniques 1*

Students in this novice-level continue to develop music and technical skills on a specific voice through developmentally appropriate solo literature, etudes, scales, and exercises. Through problem-solving, critical thinking, and reflection, students develop the physical and cognitive skills to be more disciplined performers. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend and assess learning in the classroom.

**VOCAL TECHNIQUES 3 (1303420)***Prerequisite: Teacher Recommendation and Placement; Vocal Techniques 2*

Students in this intermediate-level class develop their musical and technical skills further on a specific voice, and expand their technical and performance skills, enhanced by historical and cultural background knowledge of the music. Students explore more demanding solo literature, etudes, and technical exercises with increasing independence. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend and assess learning in the classroom.

**VOCAL TECHNIQUES 4 HONORS (1303430)***Prerequisite: Teacher Recommendation and Placement; Vocal Techniques 3*

Students in this advanced class refine their musicianship and performance skills on a specified voice. Students prepare for post-secondary and community music experiences and develop artistry independently through a variety of advanced solos, etudes, and excerpts. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend and assess learning in the classroom.

**VOCAL ENSEMBLE 1 (1303440)***Prerequisite: Teacher Recommendation and Placement*

Students with little or no experience in a vocal ensemble develop basic musicianship and ensemble performance skills through the study of basic, high-quality music in diverse styles. Student musicians focus on building foundational music techniques, music literacy, listening skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

**VOCAL ENSEMBLE 2 (1303450)***Prerequisite: Teacher Recommendation and Placement; Vocal Ensemble 1*

Students with little or no experience in a vocal ensemble develop basic musicianship and ensemble performance skills through the study of basic, high-quality music in diverse styles. Student musicians focus on building foundational music techniques, music literacy, listening skills, and aesthetic awareness. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

**VOCAL ENSEMBLE 3 (1303460)***Prerequisite: Teacher Recommendation and Placement; Vocal Ensemble 2*

Students strengthen vocal ensemble performance skills, music literacy, and analytical skills through the study of high-quality music in diverse styles. Student musicians learn to self-assess and collaborate as they

rehearse, perform, and study relevant history and cultures. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **VOCAL ENSEMBLE 4 HONORS (1303470)**

*Prerequisite: Teacher Recommendation and Placement; Vocal Ensemble 3*

Students with extensive vocal ensemble experience refine their critical listening, music literacy, and ensemble skills through the study, rehearsal, and performance of high-quality, advanced literature. Students use reflection and problem-solving skills with increasing independence to improve their performance and musical expressivity. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **EURHYTHMICS 1 – FRESHMAN ONLY (1305300)**

Student dancers develop basic skills in performing and evaluating choreographed performances as an independent ensemble and in cooperation with a music ensemble. Emphasis is placed on dance, equipment manipulation, precision, and the relationship between music and dance. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **EURHYTHMICS 2 – SOPHOMORES ONLY (1305310)**

Student dancers build on previous experience to perform and evaluate choreographed performances as an independent ensemble and in cooperation with a music ensemble. Students focus on strengthening dance skills, equipment manipulation, precision, and the relationship between music and dance. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **EURHYTHMICS 3 – JUNIORS ONLY (1305320)**

Student dancers strengthen their performance and evaluative skills, and explore the basic processes of designing choreography for an independent ensemble or in cooperation with a music ensemble. Students develop more sophisticated dance skills and equipment manipulation. Public performance may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performance outside the school day to support, extend, and assess learning in the classroom.

### **EURHYTHMICS 4 – SENIORS ONLY (1305330)**

Student dancers strengthen their performance and evaluative skills, and explore the basic processes of designing choreography for an independent ensemble or in cooperation with a music ensemble. Students develop more sophisticated dance skills and equipment manipulation. Public performance may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performance outside the school day to support, extend, and assess learning in the classroom.

### **PIANO (KEYBOARD) 1 (1301360)**

Group piano instruction that allows for more individual pacing. Emphasizes correct fingering, posture, technique, note reading, recognition of musical symbols, and musicianship. Includes basic music theory and exposure to a variety of musical styles through listening. Requires a regimen of daily practice and drills.

### **PIANO (KEYBOARD) 2 (1301370)**

*Prerequisite: Piano 1 or teacher recommendation*

Students build on previous piano techniques and skills through reading music, acquiring and applying knowledge of music theory, and exploring the role of keyboard music in history and culture. Students learn repertoire from various styles and time periods, exploring the historical influence keyboards have had on music performance and composition. Students explore the basic tools of music technology (i.e., MIDI keyboards).

### **PIANO (KEYBOARD) 3 (1301380)**

*Prerequisite: Piano 2 or teacher recommendation*

Group piano instruction which advances to levels beyond Piano 2 and allows for more individual pacing. Emphasizes technique, note reading, recognition of musical symbols, and musicianship. Includes music theory and exposure to a variety of musical styles through listening. Requires a regimen of daily practice and drills.

### **PIANO (KEYBOARD) 4 HONORS (1301390)**

*Prerequisite: Piano 3 or teacher recommendation*

Piano instruction which advances to levels beyond Piano 3 and allows for more individual pacing. Advanced techniques, note reading, recognition of musical symbols, and musicianship will be covered. Includes intermediate music theory and a variety of musical styles through listening and play back. Requires a regimen of daily practice and drills.

### **MUSIC TECHNOLOGY & SOUND ENGINEERING 1 (1304300)**

*Prerequisite: Keyboard 1*

Students explore the fundamental applications and tools of music technology and sound engineering. As they create and learn its terminology, students also learnt the history and aesthetic development of technology used to capture, create, and distribute music. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

### **MUSIC TECHNOLOGY & SOUND ENGINEERING 2 (1304310)**

*Prerequisite: Music Tech. 1*

Students build on previous experience with the fundamentals of music technology and sound engineering to integrate their knowledge of traditional musical elements with past and current technologies used to capture, create, mix, and present music. They explore the creative and aesthetic implications of music technology and sound engineering through class work. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

### **MUSIC TECHNOLOGY & SOUND ENGINEERING 3 HONORS (1304320)**

*Prerequisite: Music Tech. 2*

Students expand their experience with music technology and sound engineering, integrating their knowledge of traditional musical elements with past and current technologies used to capture, create, mix, and present music. Students focus on deeper exploration of their own creative work, enhanced by their knowledge of music and other arts and sciences. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

### **MUSIC THEORY 1 (1300300)**

*Prerequisite: Piano 1 or teacher recommendation*

Students learn how music is constructed and developed, and acquire a basic understanding of the structural, technical, and historical elements of music. Student theorists develop basic ear-training, keyboard, and functional singing skills, and engage in the creative process through individual and collaborative projects.

### **ADVANCED PLACEMENT MUSIC THEORY (1300330)**

*Prerequisite: Music Theory 1*

The course content will follow the outline by the College Board for Advanced Placement Music Theory. Content includes college level music skills in music theory, harmony, and composition. Students will study the fundamental structures of music, including scales, modes, chord structure and development, aural dictation, manuscript, and the use of computers in music manuscript composition and arranging. Taking the College Board AP exam is a requirement.



## PERFORMING ARTS: THEATRE &amp; DANCE

**THEATRE 1 (0400310)**

This is a hands-on, participation class for students interested in learning about the Fine Art of Theatre. Through the year students will learn a basic foundation of theatre terminology, theatre history and basic acting techniques. These skills will be taught through acting exercises that include monologue, duet acting and ensemble scene work in which there will be memorization work. Through hands-on opportunities students will gain basic knowledge of design and construction of sets, props and costumes. All students will be required to paint, sew, sweep, build, etc. and these activities will be graded.

**THEATRE 2 (0400320)**

*Prerequisite: Theatre 1*

This is a hands-on, participation class for students interested in learning about the Fine Art of Theatre. Through the year students will learn a basic foundation of theatre terminology, theatre history and basic acting techniques. These skills will be taught through acting exercises that include monologue, duet acting and ensemble scene work in which there will be memorization work. Through hands-on opportunities students will gain basic knowledge of design and construction of sets, props and costumes. All students will be required to paint, sew, sweep, build, etc. and these activities will be graded.

**THEATRE 3 HONORS (0400330)**

*Prerequisite: Theatre 2*

This is a hands-on, participation class for students interested in learning about the Fine Art of Theatre. Through the year students will learn a basic foundation of theatre terminology, theatre history and basic acting techniques. These skills will be taught through acting exercises that include monologue, duet acting and ensemble scene work in which there will be memorization work. Through hands-on opportunities students will gain basic knowledge of design and construction of sets, props and costumes. All students will be required to paint, sew, sweep, build, etc. and these activities will be graded.

**THEATRE 4 HONORS (0400340)**

*Prerequisite: Theatre 3 Honors*

This is a hands-on, participation class for students interested in learning about the Fine Art of Theatre. Through the year students will learn a basic foundation of theatre terminology, theatre history and basic acting techniques. These skills will be taught through acting exercises that include monologue, duet acting and ensemble scene work in which there will be memorization work. Through hands-on opportunities students will gain basic knowledge of design and construction of sets, props and costumes. All students will be required to paint, sew, sweep, build, etc. and these activities will be graded.

**MUSICAL THEATRE 1 (0400700)**

*Prerequisite: VPA Students Only*

This is a performance based class and students are required to sing, dance and act in front of an audience. The group will study the art and history of musical theatre. In addition each student will be developing their book of music while learning and performing the songs in the book as well.

**MUSICAL THEATRE 2 (0400710)**

*Prerequisite: VPA Students Only*

This is a performance based class and students are required to sing, dance and act in front of an audience. The group will study the art and history of musical theatre. In addition each student will be developing their book of music while learning and performing the songs in the book as well.

**MUSICAL THEATRE 3 (0400720)**

*Prerequisite: VPA Students Only*

This is a performance based class and students are required to sing, dance and act in front of an audience. The group will study the art and history of musical theatre. In addition each student will be developing their book of music while learning and performing the songs in the book as well.



**ACTING 1 (0400370)***Prerequisite: Freshman VPA Students Only*

Through improvisation, simple scripted scenes, performance projects, and/or practical application, students learn to identify what makes performances believable and explore the tools used to create, articulate, and execute them. Upon completion of this course, students have a strong foundation for future scene work, script analysis, and play production. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

**ACTING 2 (0400380)***Prerequisite: Acting 1, Sophomore, VPA Students Only – unless entering magnet program as a sophomore*

The goal of this course is for students to engage with and acquire a basic knowledge of Western Theatre History, from the Greeks to contemporary drama. Students will explore various dramatic writing eras and styles, through both literary and performance lenses. Students will also place current theatrical work in conversation with theatre of the past/identify the influences at play. Finally, students will strengthen their acting skills through performance, applying historical context and contemporary interpretation to scenes and monologues.

**ACTING 3 (0400390)***Prerequisite: Acting 2, Junior VPA Students Only*

Students focus on development of significant acting skills and knowledge of the actor's literature, compiling a working actor's portfolio for exhibition and/or the interview process. They research potential job opportunities in the film, television, game animation, and theatre industries, as well as scholarships and opportunities available at the university level. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

**ACTING 4 HONORS (0400400)***Prerequisite: Acting 3, Senior VPA Students Only*

Students create characters for theatrical and film/video productions through scene, character, and technical analysis. Through improvisation, script writing, and aesthetic creation and collaboration, actors refine their working knowledge and independent thought, articulating and justifying their creative choices. Students' "critical eye" becomes more developed and significant mastery of artistic choices becomes evident. An inquiry-based capstone project may be required. Public performances may serve as a culmination of specific instructional goals. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

**THEATRE DIRECTION & STAGE MANAGEMENT 1 (0400500)***Prerequisite: VPA Students Only**Co-requisite: Acting 3*

Students learn how to select, organize, and mount formal and informal staged productions by means of exploring the leadership roles of director and stage manager. Students focus on the nature and responsibilities of the director and stage manager in relation to the entire production team; the effect of the director's concept on the overall production; vocabulary and principles of the various elements of play production; techniques used to create an effective theatre work; and basic knowledge and application of staging. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

**THEATRE DIRECTION & STAGE MANAGEMENT 2 (0400510)***Prerequisite: VPA Students Only**Co-requisite: Acting 4*

Students learn how to select, organize, and mount formal and informal staged productions by means of exploring the leadership roles of director and stage manager. Students focus on the nature and responsibilities of the director and stage manager in relation to the entire production team; the effect of the director's concept on the overall production; vocabulary and principles of the various elements of play production; techniques used to create an effective theatre work; and basic knowledge and application of staging. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

### **TECHNICAL THEATRE DESIGN & PRODUCTION (STAGECRAFT) 1 (0400410)**

*Prerequisite: VPA Students Only*

*Co-requisite: Acting 1*

Theatrical overview of the art of stagecraft. Students will study the various production jobs in the theatre such as set construction, scenic design, costume design, costume construction, publicity, lighting design, sound design, etc. Students are required to physically work on the construction of all theatrical productions. Students will learn the basic tools and procedures for designing and creating scenery and properties (props) with particular attention to technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials. Students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; through various self-assessment tools. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

### **TECHNICAL THEATRE DESIGN & PRODUCTION (STAGECRAFT) 2 (0400420)**

*Prerequisite: Acting 1 and Stagecraft 1*

*Co-requisite: Acting 2*

Theatrical overview of the art of stagecraft. Students will study the various production jobs in the theatre such as set construction, scenic design, costume design, costume construction, publicity, lighting design, sound design, etc. Students are required to physically work on the construction of all theatrical productions. Students will learn the basic tools and procedures for designing and creating scenery and properties (props) with particular attention to technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials. Students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; through various self-assessment tools. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

### **TECHNICAL THEATRE DESIGN & PRODUCTION (SCENERY AND PROP DESIGN) 3 (0400407)**

*Prerequisite: VPA Junior Officers Only*

Theatrical overview of the art of stagecraft. Students will study the various production jobs in the theatre such as set construction, scenic design, costume design, costume construction, publicity, lighting design, sound design, etc. Students are required to physically work on the construction of all theatrical productions. Students will learn the basic tools and procedures for designing and creating scenery and properties (props) with particular attention to technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials. Students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; through various self-assessment tools. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

### **TECHNICAL THEATRE DESIGN & PRODUCTION (STAGECRAFT) 4 HONORS (0400440)**

*Prerequisite: VPA Senior Officers Only*

Theatrical overview of the art of stagecraft. Students will study the various production jobs in the theatre such as set construction, scenic design, costume design, costume construction, publicity, lighting design, sound

design, etc. Students are required to physically work on the construction of all theatrical productions. Students will learn the basic tools and procedures for designing and creating scenery and properties (props) with particular attention to technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials. Students also learn the standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a collaborative environment; through various self-assessment tools. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

## **PLAYWRITING (1009350)**

*Prerequisite: VPA Students Only*

## **SCENERY AND PROP DESIGN (0400407)**

*Prerequisite: Junior or Senior VPA Students Only*

The goal of this course is to shift students' thought to that of a theatrical designer, which takes into account the factors of space, time, color, texture, mobility, and aesthetic vs. practical utilization, among others. Students will achieve a basic knowledge and execution of hand rafting, demonstrating and understanding of scale, size, shape, and elements of construction. Students will also create student designs and execute these visions through practical implication. Course offered alternating years, opposite of Costume, Light, and Sound Design.

## **COSTUME, LIGHT, AND SOUND DESIGN (0400409)**

*Prerequisite: VPA Students Only*

The goal of this course is to shift students' thought to that of a theatrical designer, which takes into account the factors of space, time, color, texture, mobility, and aesthetic vs. practical utilization, among others. Students will achieve a basic knowledge and execution of figure drawing, historical clothing, lighting color theory, light and sound board, and basic sound design programming. Students will also create student designs and execute these visions through practical application. Course offered alternating years, opposite of Scenery and Prop Design.

## **BALLET 1 (0300340)**

*Prerequisite: VPA Students Only*

Students learn basic classical dance techniques and terminology associated with the traditional class structure of ballet. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in the class may need to obtain (e.g., borrow, purchase) appropriate footwear and/or dance attire from an outside source.

## **BALLET 2 (0300350)**

*Prerequisite: VPA Students Only; Ballet 1*

Students develop intermediate-level classical dance techniques and terminology associated with the traditional class structure of ballet. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g. borrow, purchase) appropriate footwear and/or dance attire from an outside source.

## **BALLET 3 (0300360)**

*Prerequisite: VPA Students Only; Ballet 2*

## **BALLET 4 HONORS (0300370)**

*Prerequisite: VPA Students Only; Ballet 3*

## **DANCE REPERTORY 1 (0300400)**

*Prerequisite: VPA Students Only*

Students study the historical works of professional choreographers in one or more genres, such as ballet, modern, jazz, or other traditional dance forms. Students learn to understand and apply each choreographer's

movement design and artistic intent, respecting the work as each choreographer's intellectual property, and gain skills for group and self-assessment, analysis, and problem solving. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g. borrow, purchase) appropriate footwear and/or dance attire from an outside source.

### **DANCE REPERTORY 2 (0300410)**

*Prerequisite: VPA Students Only*

Students study the historical works of exemplary professional choreographers in one or more genres, learning to understand and apply each choreographer's design and artistic intent, respecting the work as each choreographer's intellectual property. Students learn about Narrative, Literal, Non-Literal and Abstract dances, gaining skills for group and self-assessment, analysis, and problem solving. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g. borrow, purchase) appropriate footwear and/or dance attire from an outside source.

### **DANCE REPERTORY 3 HONORS (0300420)**

*Prerequisite: VPA Students Only*

Students study the historical works of professional choreographers in one or more genres, learning to understand, apply, and respect each choreographer's movement design, artistic intent, and intellectual property. Students expand on Narrative, Literal, Non-Literal and Abstract dance, refining skills for group and self-assessment, analysis, and problem solving. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, purchase) appropriate footwear and/or dance attire from an outside source.

### **DANCE REPERTORY 4 HONORS (0300430)**

*Prerequisite: VPA Students Only*

Students study the historical background and works of professional choreographers in one or more genres, and have the ability to apply, and respect each choreographer's movement design, artistic intent, and intellectual property. Students may demonstrate Narrative, Literal, Non-Literal and Abstract dance, advancing skills for group and self-assessment, analysis, and problem solving. Dancers assess their skills and techniques in the context of careers in theatrical, commercial and concert dance. Students may be required to participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, purchase) appropriate footwear and/or dance attire from an outside source.

### **CHOREOGRAPHY AND PERFORMANCE 1 (0300380)**

*Prerequisite: VPA Students Only; Teacher Recommendation*

### **DANCE TECHNIQUES 1 (0300310)**

To provide beginning dancers with technical study in two or more dance styles, terminology, proper alignment, anatomy, pedagogy, musicality, expression, and performance opportunities.

### **DANCE TECHNIQUES 2 (0300320)**

*Prerequisite: Dance Techniques 1*

To provide beginning-intermediate dancers with technical study in two or more dance styles, terminology, proper alignment, anatomy, pedagogy, musicality, expression, and performance opportunities.

### **DANCE TECHNIQUES 3 HONORS (0300330)**

*Prerequisite: Dance Techniques 2*

To provide intermediate dancers with technical study in two or more dance styles, terminology, proper alignment, anatomy, pedagogy, musicality, expression, and performance opportunities.

**DANCE TECHNIQUES 4 HONORS (0300340)**

*Prerequisite: Dance Techniques 3 Honors*

To provide advanced dancers with technical study in two or more dance styles, terminology. Proper alignment, anatomy, pedagogy, musicality, expression, and performance opportunities.

## FINE ARTS &amp; TV PRODUCTION

**CERAMICS 1 (0102300)***Prerequisite: No Seniors*

An introduction and understanding of ceramics through basic hand-building techniques. Also introduced are the history and uses of clay, tools, glazes, and kilns. Students will develop and practice maintenance skills in an open studio environment.

**CERAMICS 2 (0102310)***Prerequisite: Ceramics 1*

A continued study in all methods of clay construction in functional and/or nonfunctional designed projects. Students may also explore throwing, large-scale work, mural design, modular design, and furniture/accessory designs in clay. An emphasis on craftsmanship and creativity as well as presentation of work will be stressed. Students will be encouraged to explore possibilities in AP Ceramics through their work.

**CERAMICS 3 HONORS (0102320)***Prerequisite: Teacher Recommendation*

A continued study in all methods of clay construction in functional and/or nonfunctional designed projects. Students may also explore throwing, large-scale work, mural design, modular design, and furniture/accessory designs in clay. An emphasis on craftsmanship and creativity as well as presentation of work will be stressed. Students will be encouraged to explore possibilities in AP Ceramics through their work.

**DRAWING 1 (0104340)**

Drawing 1 is a prerequisite to all other drawing and painting courses. This is a beginning level drawing class in which students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Students will explore a variety of art media, which may include pencil, charcoal, colored pencils, markers, and water-based media. Students will produce art for personal pleasure and/or public display. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**DRAWING 2 (0104350)***Prerequisite: Drawing 1*

Students develop and refine technical skills and create 2-D compositions with a variety of media in drawing. Student artist's sketch, manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Students will explore advanced drawing skills and media techniques. Students will produce art for personal pleasure and/or public display. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**DRAWING PORTFOLIO HONORS (0109310)**

Students work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth. Students regularly reflect on aesthetics and art issues individually and as a group, and focus on expressive content that is progressively more innovative and representative of the student's artistic and cognitive growth.

**PAINTING 1 (0104370)***Prerequisite: Drawing 1*

Painting I is an intermediate level 2-D art course. Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in painting. Students practice, and manipulate the structural elements of art to improve mark making and/or the organizational



principles of design in a composition from observation, research, and/or imagination. Students will explore the use of watercolor, tempura, and acrylic paints along with other water-based media. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

## **PAINTING 2 (0104380)**

*Prerequisite: Drawing 1 and Painting 1*

Students will develop and refine technical skills and create 2-D compositions in painting. Student artists manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

## **TWO-DIMENSIONAL STUDIO ART 1 (0101300)**

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or organizational principles of design in a composition form observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers.

## **TWO-DIMENSIONAL STUDIO ART 2 (0101310)**

*Prerequisite: Two-Dimensional Studio Art 1*

Students will develop and refine technical skills and create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, and/or design. Student artists sketch, manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

## **FINE CRAFT STUDIO ART 1 (0101440)**

Students create well-designed work that is utilitarian, purposeful, wearable, and/or sculptural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design/embellishment. Students develop the language of fine craft through a concentration on fundamental technical skills. Student artisans reflect on aesthetics and visual issues related to fine craft through the use of the structural elements of art and organizational principles of design. Students use analytical and problem-solving skills to improve personal work and that of their peers. Students investigate the significance of Western and non-Western cultures related to understanding the art role in global culture and informing creative choices in media and design. This course incorporates hands-on activities of art materials.

## **FINE CRAFT STUDIO ART 2 (0101450)**

*Prerequisite: Fine Craft Studio Art 1*

Students create well-designed and individually conceptualized work that is utilitarian, purposeful, wearable, and/or structural in nature. This course may include, but is not limited to, content in metals, jewelry, glass, fabrics/fibers, clay, fashion design, and/or objects for interior or architectural design/embellishment. Students artisans reflect on aesthetics and visual issues related to media and organizational principles of design, manipulating them to create works of art that are progressively more innovative. Increasingly sophisticated oral and written analytical problem-solving skills and employed to improve personal and/or group work and reinforce the ability to self-diagnose and decide on solutions for art challenges based on growing structural, historical, and cultural knowledge. This course incorporates hands-on activities and consumption of art materials. .

## **ADVANCED PLACEMENT ART DRAWING PORTFOLIO (0104300)**

*Prerequisite: 2 Art Classes including Drawing 1*

AP Drawing Portfolio is an advanced study in drawing and painting. This course includes the design, creation, and presentation of work. Students will create a body of work through a sustained investigation that reflects an understanding of the medium and utilizes the elements of art and principles of design. Students in AP Drawing Portfolio must submit a portfolio to the College Board which contains a minimum of 20 pieces of work for evaluation. Students may receive both high school and college credit for this course providing portfolio scores meet the College Board minimum standards. This course incorporates hands-on activities and consumption of art materials.

### **ADVANCED PLACEMENT STUDIO 2-D ART (0109350)**

*Prerequisite: 2 Art Classes*

This course is an advanced study in 2-Dimensional design. This course includes the design, creation, and presentation of work in a variety of 2-D media which may include drawing, painting, printmaking, digital design, photography, collage and other 2-D media. Students will create a body of work through a sustained investigation that reflects an understanding of the medium and the elements of art and principles of design. Students in AP 2-D Art and Design must submit a portfolio to the College Board which contains a minimum of 20 pieces of work for evaluation. The portfolio must contain 20 works of art, and responses to prompts. Students may receive both high school and college credit for this course providing portfolio scores meet the College Board minimum standards. This course incorporates hands-on activities and consumption of art materials.

### **ADVANCED PLACEMENT STUDIO 3-D ART (0109360)**

*Prerequisite: 2 Art Classes*

This course is an advanced study in 3-Dimensional design through clay as a medium. This course includes the design, creation, and presentation of work through clay. Students will create a body of work through a sustained investigation that reflects an understanding of the medium and the elements of art and principles of design. Students in AP 3-D Art and Design must submit a portfolio to the College Board which contains the following: *Quality*- Ten digital images, consisting of two views each of five works that demonstrate mastery of 3-D design in concept, composition and execution; *Concentration*- twelve digital images; some may be details or second views. Works describing an in-depth exploration of a particular 3-D design concern; *Breadth*- Sixteen digital images; two images each of eight different works; A variety of works demonstrating understanding of the principles of 3-D design. This course incorporates hands-on activities and consumption of art materials.

### **DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 1 (8201210)**

This course is designed to develop basic entry-level skills required for careers in the digital publishing field. The content includes computer skills; digital publishing concepts and operations; layout, design, and measurement activities; decision-making activities, and digital imaging.

### **DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 2 (8201220)**

*Prerequisite: Digital Media/Multimedia Foundations 1*

This course is designed to allow students to gain hands-on experience with Industry Standard Design and Graphics Software. Students gain a working knowledge of the software and then must demonstrate proficiency in the use of illustration software. Students must also demonstrate knowledge of basic computer use, presentation production issues, using illustration software, digital still photography, and photo editing software, language arts skills, mathematics skills, and science skills. Students must also use oral and written communication skills in creating, expressing and interpreting information and ideas. Students have the opportunity to earn their Adobe Certifications with successful completion of this course.

### **DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 3 (8201230)**

*Prerequisite: Digital Media/Multimedia Foundations 2*

This course builds upon the knowledge obtained in Digital Media/Multimedia Foundations 2. Students gain a working knowledge of the software and then must demonstrate proficiency in the use of illustration software. Students must also demonstrate knowledge of basic computer use, presentation production issues, using illustration software, digital still photography, and photo editing software, language arts skills, mathematics skills, and science skills. Students must also use oral and written communication skills in creating, expressing

and interpreting information and ideas. Students have the opportunity to earn their Adobe Certifications with successful completion of this course.

### **DIGITAL MEDIA/MULTIMEDIA 4 WEB PRODUCTION (8201240)**

*Prerequisite: Digital Media/Multimedia Foundations 3*

This course builds upon the knowledge obtained in Digital Media/Multimedia Foundations 3. Students gain a working knowledge of the software and then must demonstrate proficiency in the use of illustration software. Students must also demonstrate knowledge of basic computer use, presentation production issues, using illustration software, digital still photography, and photo editing software, language arts skills, mathematics skills, and science skills. Students must also use oral and written communication skills in creating, expressing and interpreting information and ideas. Students have the opportunity to earn their Adobe Certifications with successful completion of this course.

### **CAMBRIDGE AICE DIGITAL MEDIA & DESIGN (0108400)**

This Cambridge International course allows learners to explore a range of processes and techniques in digital media through flexible course design covering digital photography, moving image, games design and mobile and multimedia applications.

### **DIGITAL VIDEO TECHNOLOGY 1 (8201410)**

Students will learn all aspects of video production, including screenwriting, pre-production, videography, and editing through hands-on experience. Students will create video projects; analyze television shows and motion pictures for production elements; and learn the equipment and crew positions necessary to produce a news program. Course meets the Practical Arts graduation requirement.

### **DIGITAL VIDEO TECHNOLOGY 2 (8201420)**

Students will learn all aspects of video production, including screenwriting, pre-production, videography, and editing through hands-on experience. Students will create video projects; analyze television shows and motion pictures for production elements; and learn the equipment and crew positions necessary to produce a news program. Course meets the Practical Arts graduation requirement.

### **DIGITAL VIDEO TECHNOLOGY 3 (8201430)**

Students will learn all aspects of video production, including screenwriting, pre-production, videography, and editing through hands-on experience. Students will create video projects; analyze television shows and motion pictures for production elements; and learn the equipment and crew positions necessary to produce a news program. Course meets the Practical Arts graduation requirement.

### **DIGITAL VIDEO TECHNOLOGY 4 (8772440)**

Students will learn all aspects of video production, including screenwriting, pre-production, videography, and editing through hands-on experience. Students will create video projects; analyze television shows and motion pictures for production elements; and learn the equipment and crew positions necessary to produce a news program. Course meets the Practical Arts graduation requirement.

### **DIGITAL VIDEO TECHNOLOGY 5 (8772450)**

Students will learn all aspects of video production, including screenwriting, pre-production, videography, and editing through hands-on experience. Students will create video projects; analyze television shows and motion pictures for production elements; and learn the equipment and crew positions necessary to produce a news program. Course meets the Practical Arts graduation requirement.

### **CREATIVE PHOTOGRAPHY (0108310)**

**Course not offered for the 2024-2025 school year**

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as 35mm black and white film, single lens reflex

camera, digital camera, darkroom, computer application, filters, various papers, digital output, photogram, cyanotypes, Sabatier effect, and pinhole photography. This course incorporates hands-on activities and consumption of art materials.

### **CREATIVE PHOTOGRAPHY 2 (0108320)**

*Prerequisite: Creative Photography 1*

Students experiment with a variety of photographic media and techniques, and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Craftsmanship and quality are reflected in the surface of the prints, care of the materials, attention to compositional conventions, and expression of ideas and feelings. Photographers 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.

### **CREATIVE PHOTOGRAPHY 3 HONORS (0108330)**

*Prerequisite: Creative Photography 2*

Students lead a focused investigation of a subject matter from ideation to completion. Students select a theme, develop a concept, and prepare the work for public viewing, portfolio, distribution, and/or exhibit. This course may include, but it not limited to, research, collaboration, installation, history of photography, making connections to contemporary and community photographers, and critiquing with varied techniques. Processes, techniques, and media may include, but are not limited to, video, film, high speed photography, studio lighting, flash, long exposure, formal portraiture, large format, HDR, RAW processing, and digital output on a variety of media, including non-traditional materials. Craftsmanship and quality are reflected in the surface of the print, care of the materials, attention to compositional conventions, the display setting, and expression of ideas and feelings. Photographers 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.

## PHYSICAL EDUCATION

### **H.O.P.E. (Health Opportunities through Physical Education) (3026010)**

The purpose of the course is to enable students to develop an understanding of fitness concepts, human sexuality, design a personal fitness program, and be introduced to various life management skills. This course is a graduation requirement.

### **INDIVIDUAL/DUAL SPORTS 1 (1502410)**

This course includes knowledge and application of techniques, scoring, strategies, and rules involved in traditional activities such as tennis.

### **INDIVIDUAL/DUAL SPORTS 2 (1502420)**

A continuation of Individual/Dual Sports 1. This course gets more in depth on techniques, strategies, and rules involved in traditional activities and sports.

### **TEAM SPORTS 1 (1503350)**

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

### **TEAM SPORTS 2 (1503360)**

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

### **BASKETBALL 1 (1503310)**

The focus of this course will be on skill development. Content will include knowledge of skills, strategies, rules, and safety practices necessary to participate regularly in physical activity.

### **BASKETBALL 2 (1503315)**

The purpose of this course is to provide 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 a student's physical and cognitive abilities will be covered. Students will participate in advanced individual and team techniques in relation to basketball strategy. Participating in course activities will continue to enhance healthy behaviors that influence students to participate in physical activities throughout their life.

### **FIRST AID AND SAFETY (0800320)**

Provides students with opportunities to acquire advanced skills in first aid; emergency care; and personal, community, and environmental safety. Content includes advanced first aid, two-person and infant CPR; and relief of obstructed airway and safety.

### **CARE AND PREVENTION OF ATHLETIC INJURIES (1502490)**

*Prerequisite: First Aid and Safety*

This course provides students with the opportunities to acquire knowledge and skills related to the nature, prevention, care, and rehabilitation of athletic injuries that may be used in recreational pursuits today as well as in later life.

### **VOLLEYBALL 1 (1505500)**

The focus of this course will be on skill development. Content will include knowledge of skills, strategies, rules, and safety practices necessary to participate regularly in physical activity.



**VOLLEYBALL 2 (1505510)**

The purpose of this course is to enable students to acquire intermediate level knowledge and skills in volleyball and to maintain or improve health-related fitness. Appropriate instructional practices and assessments are used to elicit evidence of student understanding and proficiency of course specific benchmarks related to Cognitive Ability, Movement Competency, Lifetime Fitness, and Responsible Behavior and Values as outlined by the Next Generation Sunshine State Standards for Physical Education and the Common Core State Standards.

**WEIGHT TRAINING 1 (1501340)**

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement as it relates to weight training. The integration of fitness concepts throughout the content is critical to the success of this course.

**WEIGHT TRAINING 2 INTERMEDIATE (1501350)**

*Prerequisite: Weight Training 1*

Provides students with opportunities to acquire knowledge and skills in weight training including an assessment of muscular strength and endurance as well as a knowledge of health problems associated with inadequate levels of muscular strength, skeletal muscles, sound nutritional practices, and consumer issues related to weight training.

**WEIGHT TRAINING 3 (1501360)**

*Prerequisite: Weight Training 2*

Provides students with advanced knowledge and skills in weight training including an assessment of muscular strength and endurance as well as a knowledge of health problems associated with inadequate levels of muscular strength, skeletal muscles, sound nutritional practices, and consumer issues related to weight training.

**POWER WEIGHT TRAINING (1501410)**

*Prerequisite: Weight Training 3*

The purpose of this course is to acquire knowledge and skills in power weight training (Olympic and powerlifting) and improve or maintain health related physical fitness.) Appropriate instructional practices and assessments are used to elicit evidence of student understanding and proficiency of course specific benchmarks related to Cognitive Ability, Movement Competency, Lifetime Fitness, and Responsible Behavior and Values as outlined by the Next Generation Sunshine State Standards for Physical Education and the Common Core State Standards.

**SOCCER (1503320)**

Students are provided with the opportunity to acquire knowledge of skills, strategies, rules and safety practices in soccer.

**OUTDOOR RECREATIONAL ACTIVITIES (1502470)**



## MARKETING EDUCATION

**SPORTS, RECREATION, AND ENTERTAINMENT ESSENTIALS (8827410)**

This course is the first level of the Sports, Recreation, and Entertainment Marketing Program. The world of sports, recreation and entertainment is never boring. This field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multi-billion-dollar sports, recreation, and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful.

**SPORTS, RECREATION, AND ENTERTAINMENT APPLICATIONS (8827420)**

*Prerequisite: Sports, Recreation, and Entertainment Essentials*

This course is the second level of the Sports, Recreation, and Entertainment Marketing Program. Students will take an extensive look into the advertising and promotion resources in the sports, entertainment, and recreation marketing industry. The focus of this course is on the creation of advertising and promotion techniques, product development, branding, positioning, selling, and marketing research. This course also includes the use of technology included in social and electronic media

**SPORTS, RECREATION, AND ENTERTAINMENT MANAGEMENT HONORS (8827430)**

*Prerequisite: Sports, Recreation, and Entertainment Applications*

This course is the third level of the Sports, Recreation, and Entertainment Marketing Program and accredited as Honors Level. Students will not examine the marketplace and apply economic and entrepreneurial principles required for success in the sports, recreation, and entertainment industry. The focus of this course is on the development of the necessary entry skills for a career in the sports, recreation, and entertainment fields. Discussions will include the various roles professionals play in the sports, recreation, and entertainment marketing industry and explore how these positions interact to execute successful sports, recreation, and entertainment marketing campaigns.

**BUSINESS OWNERSHIP HONORS (8812000)**

*Prerequisite: Teacher Recommendation for Seniors Only*

**MARKETING COOPERATIVE - OJT (8800410)**

*Prerequisite: Teacher Recommendation*

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

## LEADERSHIP/STUDENT GOVERNMENT

**LEADERSHIP SKILLS DEVELOPMENT (2400300)**

*Prerequisite: Freshmen Only; Application Required*

Students will learn leadership skills, techniques, strategies, and approaches through the National Student Council curriculum. Each year, students will create and implement a group service project and will have the opportunity to attend conferences to further expand their knowledge and network. Participation in this program requires an application and acceptance.

**LEADERSHIP TECHNIQUES (2400310)**

*Prerequisite: Sophomores Only; Application Required*

Students will learn leadership skills, techniques, strategies, and approaches through the National Student Council curriculum. Each year, students will create and implement a group service project and will have the opportunity to attend conferences to further expand their knowledge and network. Participation in this program requires an application and acceptance.

**LEADERSHIP STRATEGIES (2400320)**

*Prerequisite: Juniors Only; Application Required*

Students will learn leadership skills, techniques, strategies, and approaches through the National Student Council curriculum. Each year, students will create and implement a group service project and will have the opportunity to attend conferences to further expand their knowledge and network. Participation in this program requires an application and acceptance.

**APPROACHES TO LEADERSHIP (2400330)**

*Prerequisite: Seniors Only; Application Required*

Students will learn leadership skills, techniques, strategies, and approaches through the National Student Council curriculum. Each year, students will create and implement a group service project and will have the opportunity to attend conferences to further expand their knowledge and network. Participation in this program requires an application and acceptance.