



Bengal 2021-2022



Course Selection Guide

Featuring the Cambridge AICE Program

Piper High School 8000 NW 44th St. Sunrise, Fl. 33351 - 754-322-1732



Cambridge Assessment International Education

Cambridge International School

GENERAL INFORMATION

Piper High School is excited to offer an expanded Cambridge AICE program for the 2021-2022 school year. The Cambridge AICE diploma guarantees a Bright Futures Academic scholarship, the highest Bright Futures award possible, without having to meet other requirements such as ACT/SAT scores.

Students who earn the Cambridge AICE diploma can earn up to 2-1/2 years of college credit while in high school.

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English Department

English I – III

(Grades 9-11)

Provides instruction in the Language Arts strands of reading, writing, speaking, listening, viewing, language, researching and literature.

(Meets graduation requirements in English)

English IV - Florida College Prep

(Grade 12)

Incorporates reading and writing study through a variety of informative texts using grade-level writing craft and through the in-depth reading and analysis of information selections in order to develop critical reading and writing skills necessary for success in college courses.

(Meets graduation requirements in English)

Pre-AICE English Language

(Grade 9)

Promotes academic excellence in ninth-grade English language arts through enriched experiences in reading, writing, observing, speaking, listening, researching, and viewing. Focuses upon using the writing process in creative, technical, and traditional academic modes. *(Honors Credit)*.

*Prerequisite: Level 2 on FSA Reading
(Meets graduation requirements in English)*

Pre-AICE English Literature

(Grade 10)

Promotes academic excellence in tenth-grade English language arts through enriched experiences in reading, writing, observing, speaking, listening, researching, and viewing. Focuses upon using the writing process in creative, technical, and traditional academic modes. *(Honors Credit)*

*Prerequisite: Level 2 on FSA Reading
(Meets graduation requirements in English)*

English Honors III & IV

(Grades 11 & 12)

Provides instruction in the Language Arts strands of reading, writing, speaking, listening, viewing, language, researching and literature.

(Meets graduation requirements in English)

Reading (Grades 9 – 12)

Provides students with strategies to develop and strengthen literacy skills including reading fluency, comprehension, vocabulary development, and non-fiction writing.

Creative Writing (Grades 9-10)

Assists students in strengthening reading comprehension, text analysis skills, and writing across multiple text types, including poetry, literature, and nonfiction.

AICE English General Paper

(Grades 9-10)

Provides students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective analysis and writing. Focuses on using the writing process to explore political, economic, technical, and fine arts concepts in the global marketplace. Students will prepare for and take the AICE English General Paper exam.

Prerequisite: Level 3-5 on the FSA Reading Assessment

(Meets graduation requirements in English)

(Counts as one credit towards AICE Diploma and English credit)

AICE English Language AS

(Grades 10-12)

Provides students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. Course provides a variety of writing opportunities calling for the use of different styles and tones. Students will prepare for and take the AICE English Language exam.

Prerequisite: Passing score on the AICE General Paper

Exam, Level 3 or higher on FSA Reading

(Counts as one credit towards AICE Diploma and English credit)

AP English Language & Composition

(Grades 11 & 12)

Introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style.

Prerequisite: Passing score on the AICE English Language exam

AP English Literature & Composition

(Grade 12)

Introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

Prerequisite: Passing score on the AP English Language & Composition exam

AP Capstone Seminar

(Grade 11)

Focuses on the research and inquiry process. Students will complete one group research project and presentation, one individual research project and presentation, and take the AP Seminar end-of-course exam.

Prerequisite: Passing score on the AICE Global Perspectives exam

AP Capstone Research

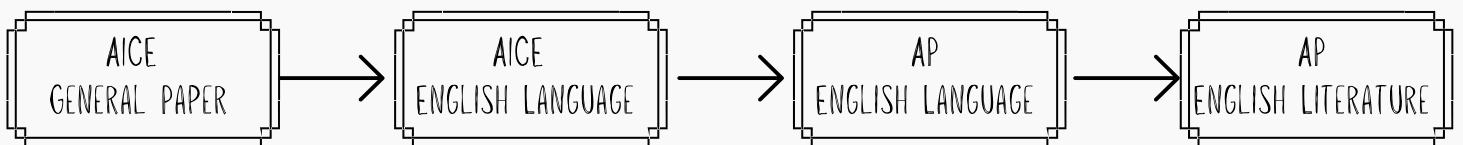
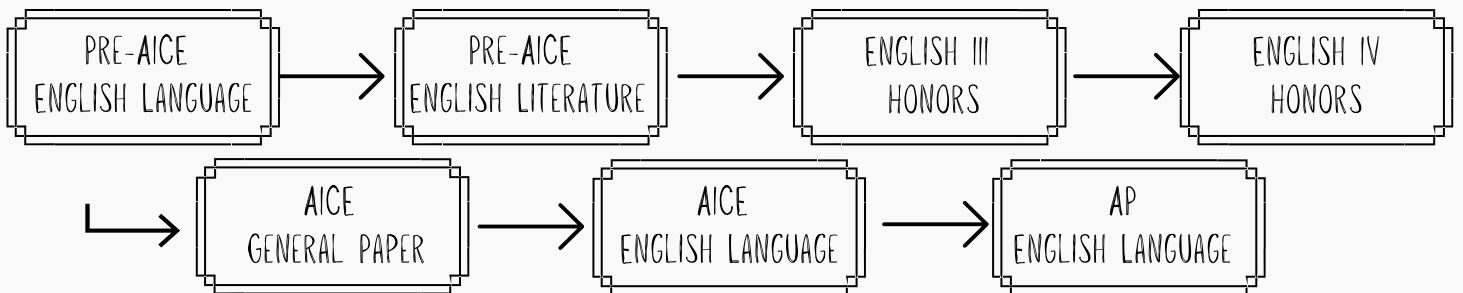
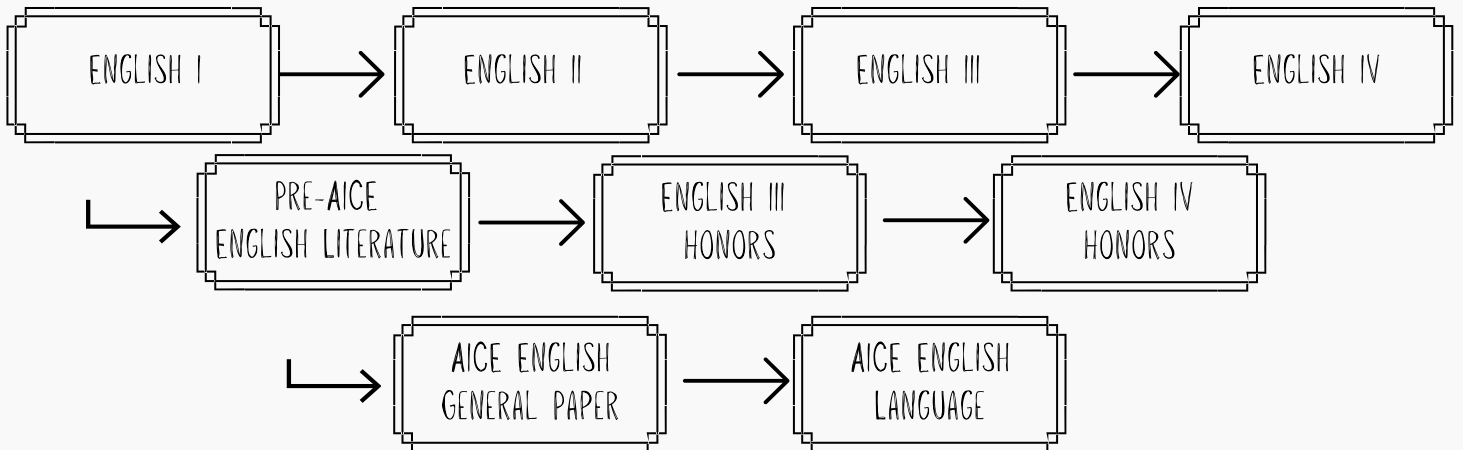
(Grade 12)

Further the research and inquiry-based learning from the Seminar course. Students will complete a yearlong research project-based study culminating with a 4,000-5,000-word research paper and a presentation and oral defense of that research.

Prerequisite: Passing score on the AP Capstone Seminar exam

Sample Course Progression

English



Math Department

Liberal Arts Mathematics I

Develops mathematical literacy in the real world and simultaneously builds a solid foundation for Algebra I. This course is taken in conjunction with Algebra I.

Algebra I

Provides a rigorous and in-depth study of algebraic concepts and processes which can be used to solve a variety of real world and mathematical problems. This course will challenge students to think critically and engage in problem solving. Students are required to take and pass the state end-of-course assessment for Algebra I.

Pre-AICE Math I

Develops a rigorous and in-depth study of algebraic concepts and processes which can be used to solve a variety of real world and mathematical problems. Students are required to take and pass the state end-of-course assessment for Algebra I. (*Honors Course*)

Prerequisites: Students must have scored a level 3, 4, or 5 on the FSA Math.

Geometry

Develops the geometric relationship and deductive strategies that can be used to solve a variety of real world and mathematical problems. Students are required to take the state end-of-course assessment for Geometry.

Prerequisite: Algebra I

Pre-AICE Math II

Emphasizes the study of the properties and applications of common geometric figures in two and three dimensions. Inductive and deductive thinking skills are used in writing proofs, and problem-solving situations and applications to the real world are stressed. Students are required to take the state end-of-course assessment for Geometry. (*Honors course*)

Prerequisite: Completion of Algebra 1 (or an equivalent course) and a Level 3-5 on the Algebra 1 EOC

Algebra II

Continues the study of algebra and provides the foundation for applying algebraic skills to other mathematical and scientific fields.

Prerequisite: Completion of Geometry (or equivalent)

Pre-AICE Math III

Continues the study of algebra by extending on the algebraic and geometric concepts and processes from Algebra 1 and Geometry. Students are introduced to advanced algebra concepts while developing learning strategies, critical thinking skills, and problem-solving techniques to prepare for future math courses and college entrance exams. (*Honors course*)

Prerequisite: Successful completion of Geometry (or an equivalent course) and a Level 3-5 on the Geometry EOC.

Probability and Statistics with Applications

Introduces students to the basic concepts and logic of statistical reasoning. This course provides knowledge on concepts involved in using sample data to make inferences about populations.

Prerequisite: Successful completion of Algebra 2 or equivalent

Advanced Math Topics

Reviews Algebra 2 skills, introduces trigonometry concepts, and prepares students for skills used on the ACT and SAT tests. This course is designed for students to learn about some advanced mathematical topics and improving their math proficiency. The course includes algebra 2 topics, analytic trigonometry, matrices, analytic geometry, and probability. At the end of this course the students will have a better understanding of algebra, as an approach to higher level courses as Pre-Calculus.

Prerequisite: Algebra 2

Pre-Calculus Honors

Emphasizes the study of functions and other skills necessary for the study of Calculus. Pre-Calculus weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. The course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses.

Prerequisite: Successful completion of Pre-AICE Math 3 or higher

Analysis of Functions/Trigonometry Honors

Analyzes algebraic functions by honing in on the specific features that generate each function and comparing them to one another. Students will also develop mathematical concepts in trigonometry by taking an in-depth look at the foundational trigonometric functions and their features.

Prerequisite: Algebra 2 or higher

Advanced Placement Calculus AB

Basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions. It is designed with the intent to develop practical skills in differential and integral calculus. It is also intended to illustrate various applications of calculus to technical problems. Students are required to take the Advanced Placement exam.

Prerequisite: Pre-Calculus Honors or equivalent

Advanced Placement Calculus BC

Continuation of AP Calculus AB. Students will continue the study of functions in one variable, focusing on transcendental functions, integration techniques, elementary differential equations, infinite sequences and series, conics, and polar coordinates. Students are required to take the Advanced Placement exam.

Prerequisite: AP Calculus AB

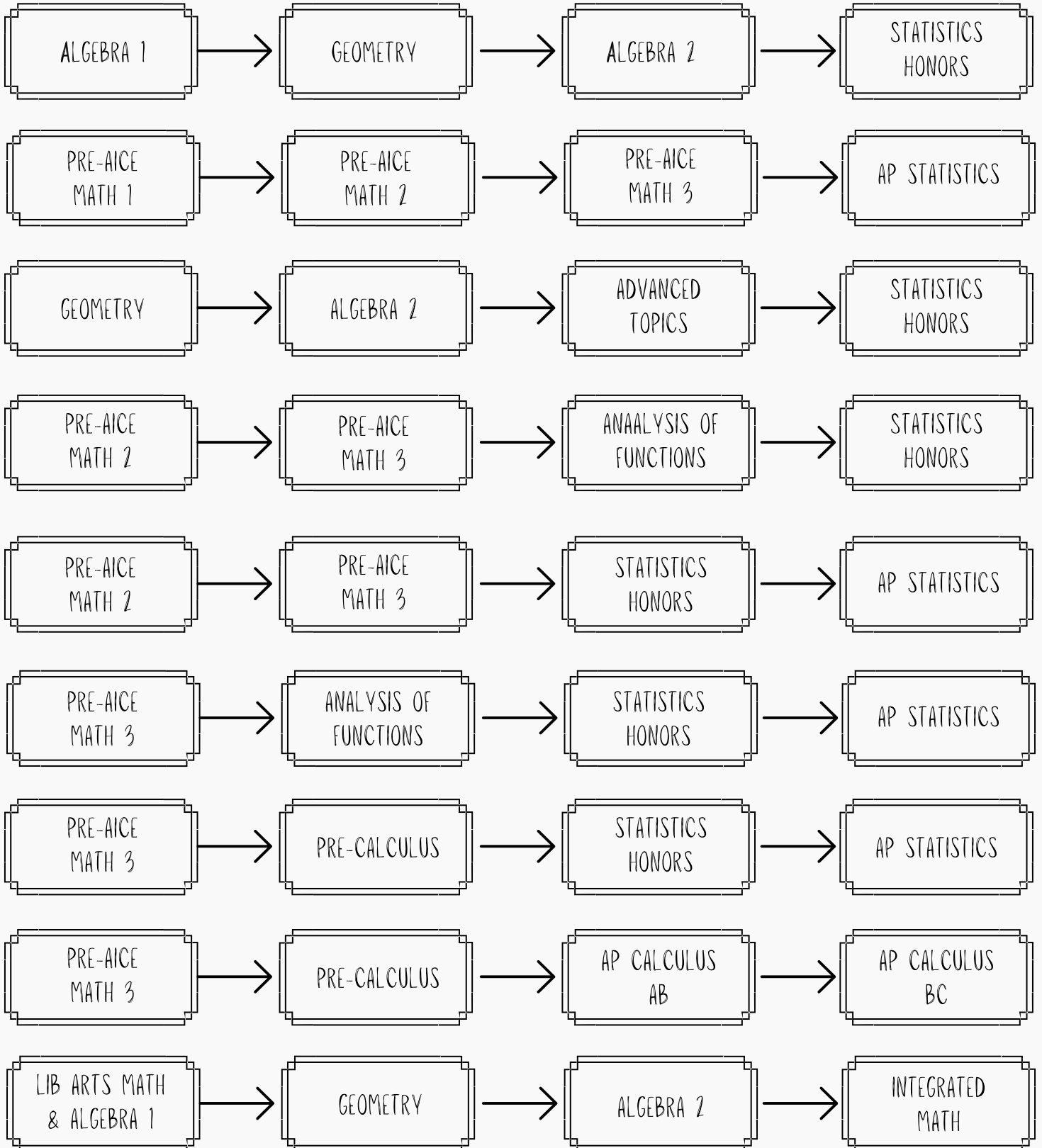
AICE Thinking Skills AS

Develops a range of transferable thinking skills and processes which transfer to other content area courses both in high school and in college. It enables students to approach problems with an improved ability to understand, analyze and resolve problems, apply critical and investigative thinking, and make informed decisions with the use of disciplined reasoning. Students will prepare for and take the AICE Thinking Skills exam.

Prerequisite: Level 3 or higher on both the FSA Reading and Math exams (Counts as one credit towards AICE Diploma)

Sample Course Progression

Math



Science Department

Environmental Science

(Grade 9)

The rigorous study of the interaction of physical, biological, and information sciences to study the environment and solutions for environmental problems. Students will receive the critical knowledge and skills needed to be successful in biology.

Environmental Science Honors

(Grades 11-12)

The rigorous study of the interaction of physical, biological, and information sciences to study the environment and solutions for environmental problems. Students will receive the critical knowledge and skills needed to be successful future science courses.

Prerequisite: Biology I

Biology I

(Grades 10-12)

Provides students with the knowledge of the following concepts: the cell, matter and energy in living systems, molecular basis of heredity, biological evolution, interdependence of organisms, human systems such as reproduction, fetal development, the central nervous system, and immune responses. Students must take the state end-of-course assessment.

Prerequisite: Environmental Science

Pre-AICE Biology

(Grade 9)

Provides students with an advanced understanding of the following concepts: the cell, matter, and energy in living systems, molecular basis of heredity, biological evolution, interdependence of organisms, human systems such as reproduction, fetal development, the central nervous system, and immune responses. Students must take the state end-of-course assessment.

Prerequisite: Achievement Level 3 or higher on the FSA Reading.

Chemistry I

(Grades 10-12)

The study of the composition, properties and changes associated with matter.

Prerequisites: Biology I and Algebra I

Chemistry I Honors

(Grades 9-12)

The rigorous study of the composition, properties and changes associated with matter.

Prerequisite: Biology I and Algebra I with an Achievement Level 3 or higher on the Algebra I EOC

Anatomy and Physiology Honors

(Grades 10-12)

Supplies students with exploratory and advanced activities in the structures, functions, and pathology of the components of the human body.

Prerequisite: Biology I and Chemistry I

Physics Honors

(Grades 11-12)

The rigorous study of the theories and laws governing the interaction of matter, energy, and the forces of nature.

Prerequisite: Achievement level 4 or higher on Algebra I end-of-course exam

Marine Science

(Grades 11-12)

Designed to teach the living and non-living components of the ocean and its inhabitants along with ocean formation, structure, and geology. This course will also include dissection of various invertebrates and fish to enhance the learning of our students.

Prerequisite: Biology I

AICE Marine AS Level

(Grades 9-12)

College level introductory class into marine science and is designed as a survey class of some of the different marine science disciplines. This class will cover the basics of geological oceanography, chemical oceanography, physical oceanography, and ecology of marine environment, as well as the basic scientific practices and methodologies. Students will prepare for and take the AICE Marine Science exam.

Prerequisite: Achievement level 3 or higher on FSA Reading exam and Biology end-of-course exam.

AICE Environmental Science AS Level

(Grades 10-12)

Equivalent to an introductory college-level general environmental science course with laboratory activities and specific coursework requirements. The course emphasizes environmental issues and their management, especially from a human perspective. Through their studies, learners gain an understanding of environmental resources and their human exploitation and the goal of environmental sustainability.

Prerequisite: Successful completion of AICE Marine Science

Advanced Placement Biology

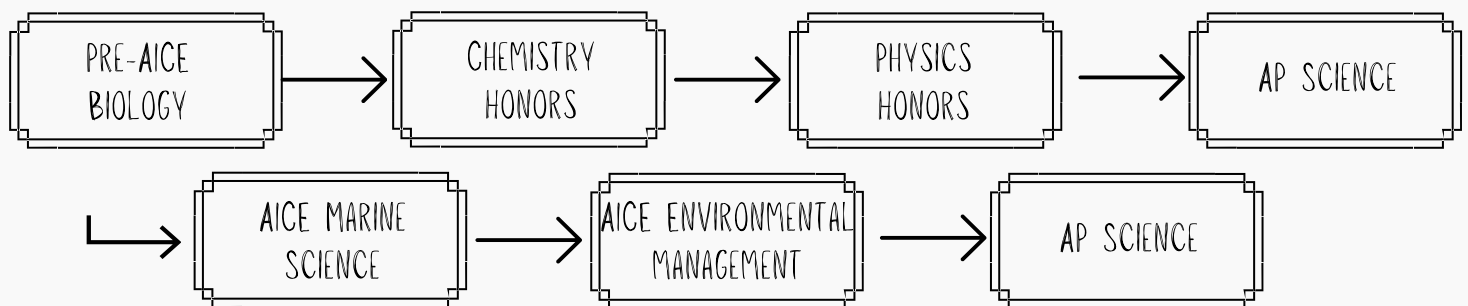
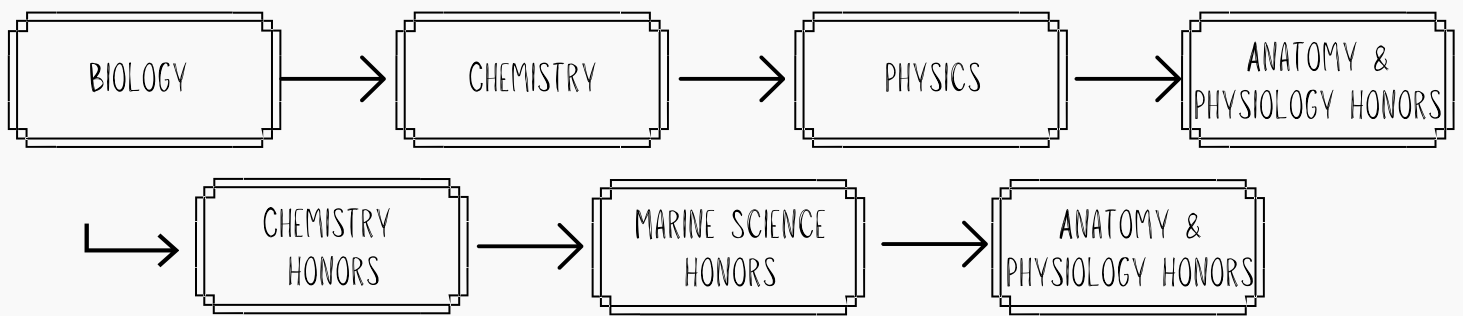
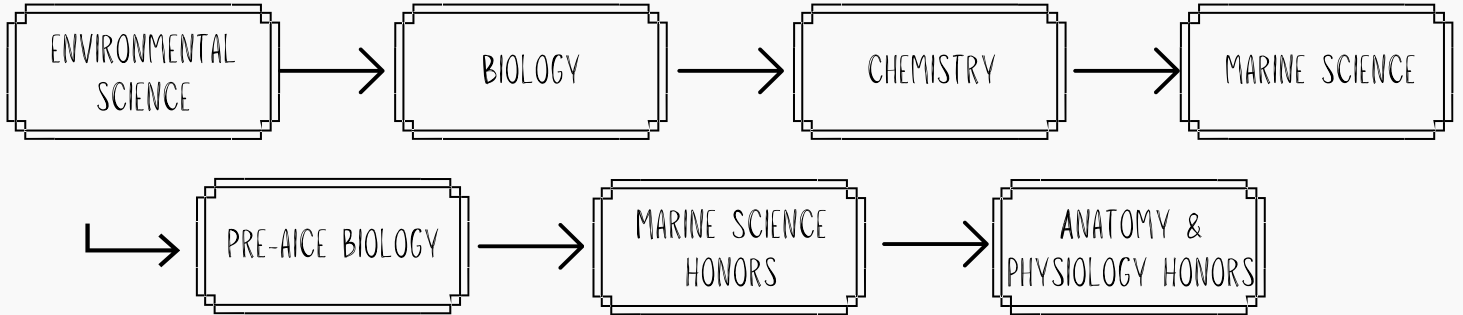
(Grades 11-12)

The equivalent to an introductory college-level biology course with laboratory activities, AP Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to think critically with the rapidly changing science of biology. This course is designed to prepare students for the AP Biology College Board Advanced Placement Exam.

Prerequisite: Successful completion of AICE Marine Science and AICE Environmental Science

Sample Course Progression

Science



Social Studies Department

World History (Grade 10)

Provides students with the opportunity to acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that have affected humanity.

Pre-AICE World History (Grades 9-10)

Covers the World History curriculum, but the class also focuses on Cambridge and Advanced Placement writing and reading skills. (*Honors Course*)

Prerequisites: FSA Reading score of level 3 and higher.

US History (Grade 11)

Covers US History from Reconstruction to modern times. The course also studies Florida's history as it relates to the United States as a whole by examining the political, economic, social, religious, military, scientific, and cultural events that have occurred in America's history. Students will take the state end-of-course exam.

US History Honors (Grade 11)

Provides students with the opportunity to acquire an understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of our nation from revolutionary times to the present. Students will take the state end-of-course exam.

Prerequisites: FSA Reading score of level 3 and higher.

Economics and Financial Literacy

Provides students with knowledge of economics, emphasizing practical applications and the decision-making skills necessary to be informed citizens and financially successful individuals.

Economics with Financial Literacy Honors (Grade 12)

Pertains to the study of the concepts and processes of Financial Literacy. Additionally, students will be evaluating national and international economic systems which includes but is not limited to: currency, banking, and monetary policy; the fundamental concepts relevant to the major economic systems; the global market and economy; financial and investment markets; and the business cycle.

Prerequisites: FSA Reading score of level 3 and higher.

U.S. Government (Grade 12)

Introductory survey course on various United States government topics. This course allows students to examine their own political behaviors, analyze the dynamics of political issues, and understand the roles and responsibilities of each branch of the U.S. Government and how citizens participate in that process.

U.S. Government Honors (Grade 12)

Includes the study of the origin and development of the U.S. Constitution; the structure and powers of the national government, including the legislative, executive, and judicial branches; federalism; political participation; the national election process; public policy; and civil liberties and civil rights.

Prerequisites: FSA Reading score of level 3 and higher.

AICE Global Perspectives (Grades 9-12)

Focuses on the research and inquiry process of issues of global significance. Students will complete one group research presentation, one individual research project and presentation, and take the AICE Global Perspectives end-of-course exam.

Prerequisite: Level 3-5 on the FSA Reading assessment (Counts as one credit towards AICE Diploma and elective credit)

AICE History AS Level (Grades 10-12)

Designed to provide an overview of modern history in the nineteenth and twentieth centuries. This course emphasizes both historical knowledge and the skills required for research. Students will develop an understanding of cause and effect, continuity and change, similarity and difference, and the use of historical analysis.

Prerequisite: Level 3-5 on the FSA Reading Assessment; Successful completion of AICE General Paper

AP U.S. History (Grade 11)

Designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. This course examines significant individuals, developments, and processes in nine historical periods of U.S. History. Students will take the corresponding AP U.S. History Exam at the end of the year.

Prerequisite: Passing score on AICE History exam

AP US Government and Politics (Grade 12)

Examines democratic ideals, balance of powers, and tension between the practical and the ideal in national policymaking in the United States. Students will analyze and discuss the importance of various constitutional principles, rights and procedures, institutions, and political processes that impact us as United States citizens. The course encourages students to hone their critical thinking skills, ask the tough questions, and become responsible citizens. Students will take the corresponding AP U.S. Government Exam at the end of the year.

Prerequisites: Passing score on AP US History exam

AP Psychology (Grades 11-12)

Introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will take the corresponding AP Psychology Exam at the end of the year.

Prerequisites: Level 4 or 5 on FSA or passing score on AICE Global Perspectives exam

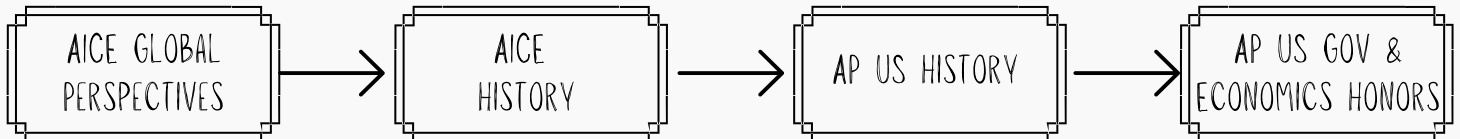
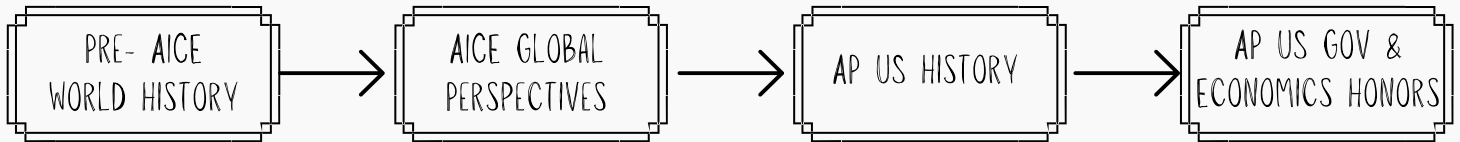
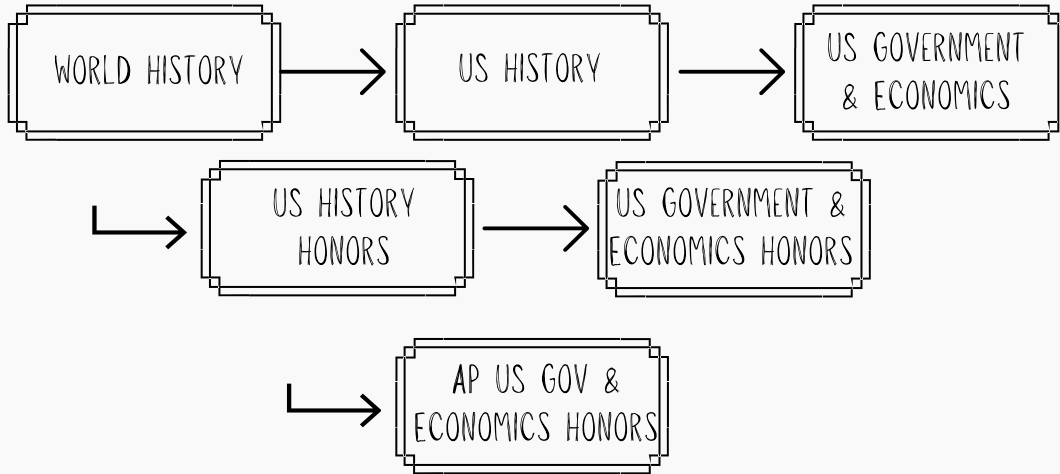
AICE Sociology AS Level (Grades 11-12)

Offers learners the opportunity not only to explore the processes that are shaping current trends, but also to develop an understanding of the complexity and diversity of human societies and their continuities with the past. The study of sociology stimulates awareness of contemporary social, cultural and political issues, and focuses on the importance of examining these issues in a rigorous, reasoned and analytical way.

Prerequisites: Passing score on at least 2 AICE exams

Sample Course Progression

Social Studies



Career Technical Education Department

Culinary Arts

Culinary 1 (Grades 9-10)

Designed for students who wish to study and develop competence in career and job opportunities; basic food skills; personal productivity; and safe, secure and sanitary work procedures.

Culinary II, III & IV (Grades 10 – 12)

Continues to develop competence in the skills learned in Culinary I with additional lab time and participation in competitions. Industry Certification exams included in the program at these levels.

Prerequisite: Culinary I and previous Culinary course.

Academy of Finance

Accounting Applications Honors (recommended 9th or 10th grade)

Provides students with an understanding of the accounting process and how it facilitates decision making by providing data and information to internal and external stakeholders. Students learn that accounting is an integral part of all business activities. They learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets. Students also examine career opportunities and the professional certifications and designations earned by individuals in the accounting profession. Students have the opportunity to earn an Industry Certification in Quickbooks.

Economics & Financial Services Honors (recommended 10th or 11th grade)

Gives students an overview of banks and other financial services companies. It introduces students to the origins of money and banking and examines the early history of banking in the United States. Students will conduct an in-depth study of the financial services industry and the types of companies it includes. They learn about the services offered by such companies and analyze the ways these companies earn profits. Finally, students will examine careers in financial services.

**This is NOT the same Economics course that is taken in Social Studies to satisfy the graduation requirement.*

Personal Financial Planning Honors (recommended 11th or 12th grade)

Provides students with an overview of the job of a financial planner. Students learn to consider how all aspects of financial planning might affect a potential client and learn about the importance of financial planning in helping people reach their life goals. This course includes lessons on saving, borrowing, credit, and all types of insurance, and covers various types of investments. Students also examine careers in financial planning.

Business Ownership Honors

(recommended 11th or 12th grade with teacher recommendation)

Introduces students to the critical role entrepreneurs play in the national and global economy. Students learn the skills, attitudes, characteristics, and techniques necessary to become successful entrepreneurs. They explore starting a business and learn about the operational issues and financial risks that new businesses face. Students will compete in the Virtual Enterprise International competition.

Emergency Medical Response / Paramedics

Health Science I (Grades 9-12)

Examines aspects of anatomy and physiology with a focus on the most important and life-essential functions of the body.

Counts as one science credit towards graduation.

Health Science II (Grades 10-12)

Examines aspects of anatomy and physiology with a focus on the most important and life-essential functions of the body. Students will also be eligible to take an online certification test: Certified Medical Administrative Assistant (CMAA).

Prerequisite: Successful completion of Health Science I

Health Science III/First Responder (EMS) (Grades 11-12)

Teaches students how to react and what to do in an emergency. Hands-on activities include how to perform CPR, how to assess and check vital signs, and how to assess trauma accidents properly. Students will also get an American Heart Association CPR/AED Health Care Provider certificate, four Federal Emergency Management Agency (FEMA) certificates, and a water safety awareness course.

Prerequisite: Successful completion of Health Science I & II.

Pre-Engineering

Introduction to Engineering Design

Exposes students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, they will learn to use 3D solid modeling design software to design solutions to problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions, document the process, and communicate the results.

CTE Department

Principles of Engineering

Helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the required knowledge and skills in mathematics, science, and technology. Through problem-based learning strategies, students study key engineering topics, including mechanisms, energy sources, energy applications, machine control, fluid power, statics, material properties, material testing, statistics, and kinematics. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

Prerequisite: Introduction to Engineering Design

Computer Integrated Manufacturing

Applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included.

Prerequisite: Introduction to Engineering Design, Principles of Engineering

Engineering Design and Development

Serves as a capstone course to provide students with the opportunity to develop a solution to a design problem from start to finish. Students work in teams to design, engineer, create a prototype, perform product testing, and then produce a finished product. This would involve using ALL of the knowledge previously learned, not only in technology education, but across the curriculum. Students will be expected to create and deliver a formal report on the project.

Prerequisite: Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing

Additional CTE Courses

Digital Information Technology

(Grades 9-12)

Designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills.

Students have the opportunity to earn multiple Industry Certifications in this course.

Gaming Simulation and Design

(Level 1-3)

Offers a sequence of courses that provides students with coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers such as a Game/Simulation Designer, Game Programmer, and Game Software Developer in the Information Technology career cluster.

Prerequisite: Successful completion of Digital Information Technology

Marketing Cooperative Education (OJT)

Option for seniors that are simultaneously enrolled in a related Career and Technical course. It allows a student to experience the world of work while earning high school credit in the related field of study. The employer, the student, and the teacher coordinator participate in the development and progress of student performance both on the job and in the on-campus related class. It is a paid work-study program by the employer and requires the student to work a minimum number of hours in the field of Business, Hospitality, Finance, Culinary, or Computers.

Prerequisite: Must be senior on track for graduation. Requires administrative approval.

Foundations of Journalism

Provides instruction in basic aspects of journalism and workshop experience in journalistic production. Content includes interviewing techniques, photography, writing articles, and layout and design. Student will work as a class to create aspects of the school yearbook.

Digital Design I

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

Prerequisite: Foundations of Journalism

Photojournalism

Designed to introduce students to basic photojournalism techniques, including camera operation, lighting, composition, photo manipulation, and storytelling for print and online publications. Through this course, the students will become familiar with Digital Single Lens Reflex (DSLR) as well as cameras on mobile devices and learn how to create authentic journalistic documents. An emphasis will be placed on using the camera as a reporting tool and will cover industry expectations for professional photojournalists.

Prerequisite: Foundations of Journalism, Digital Design I

Journalism 4 Honors

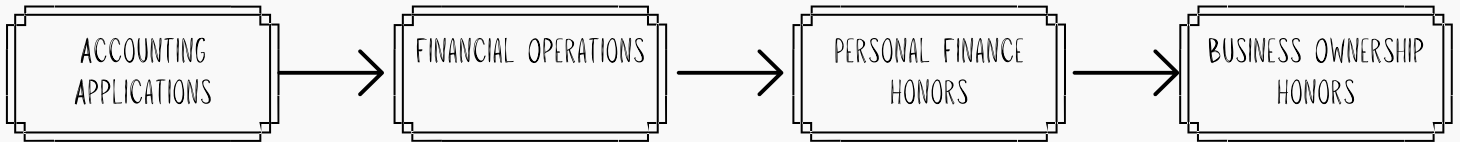
Intermediate to advanced instruction in journalistic writing and production techniques. Content includes all aspects of the writing process. Emphasis is placed on implementing students' creative skills and talents in writing, graphic design and/or photography, and in providing regular practice in management skills and production techniques in printed journalistic media. Students will work within deadlines to produce a creative and innovative yearbook.

Prerequisite: Foundations of Journalism.

Sample Course Progressions

Career Pathways

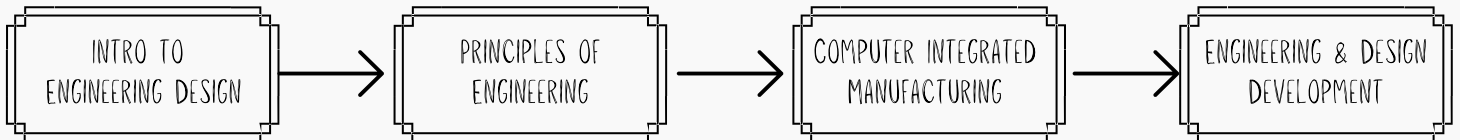
Academy of Finance



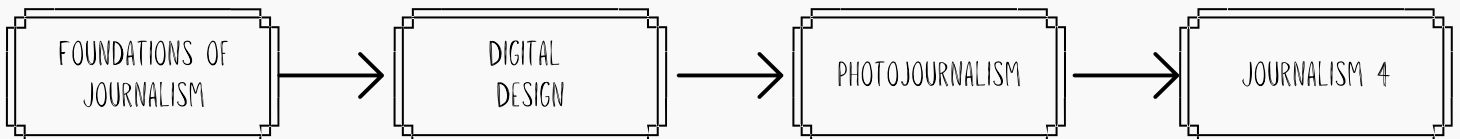
Health Science



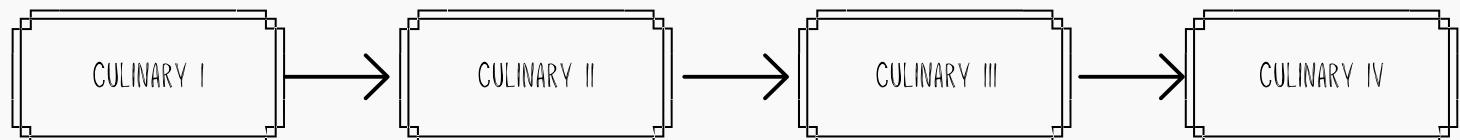
Engineering



Journalism



Culinary



Fine Arts Department

2-D Studio Art

The experimentation of media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing, painting, and/or design. Students will 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.

Drawing

Introductory level course in understanding drawing. Students will be able to enjoy and respond to the qualities of art found in the drawings of well-known artists. They will develop basic technical skills by using a variety of media and learn how to communicate feelings and ideas by problem solving and being creative.

Ceramics

Explores the many dimensions of designing and creating ceramics and/or pottery. Media may include, but are not limited to, clay and/or plaster, with consideration of the workability, durability, cost, and toxicity of the media used. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. This course incorporates hands-on activities and consumption of art materials.

AP 2-D Studio Art: Drawing Portfolio

(Grades 10-12)

Emphasis will be placed on the production of a volume of quality pieces of artwork. Students will be challenged to develop their own personal work. Students will develop and demonstrate mastery of concept, composition, and execution of their personal ideas and themes in drawing. Students will also understand that art making is an ongoing process that uses informed and critical decision making to determine outcomes to problems. Students will be expected to develop a comprehensive portfolio, journal, and ongoing sketchbook, and they will also be expected to complete homework and all other images worked on outside of school that address each of these issues in a personal way. Preliminary sketches, stories, thoughts, color schemes, and weekly observational assignments and ideas should be kept.

Prerequisites: Passing Grade in Drawing 1/Studio Art 1 and signed recommendation by teacher. Interview and portfolio review.

AP 2-D Studio Art: 2-D Design

(Grades 10-12)

Emphasis will be placed on the production of a volume of quality pieces of artwork. Students will be challenged to develop their own personal work. Students will develop and demonstrate mastery of concept, composition, and execution of their personal ideas and themes in 2-D Design (Digital Art, Photography, and Mixed Media). Students will also understand that art making is an ongoing process that uses informed and critical decision making to determine outcomes to problems. Students will be expected to develop a comprehensive portfolio, journal, and ongoing sketchbook, and they will also be expected to complete homework and all other images worked on outside of school that address each of these issues in a personal way. Preliminary sketches, stories, thoughts, color schemes, and weekly observational assignments and ideas should be kept.

Prerequisites: Passing Grade in Drawing 1/Studio Art 1 and signed recommendation by teacher. Interview and portfolio review.

Theatre 1

Introduces and explores the theatre from text to stage as a live performing art. Topics include theatre history, contemporary theatre, dramatic structures, theatre crafts, and careers in the theatre. Students are encouraged to use skills acquired in this course to improve communications, build self-confidence, and develop an understanding of working in teams. Course assessments include quizzes, tests, and performances. There is no prerequisite for this course, all students can benefit from this introductory course.

Acting I

Introduces students to some of the fundamental skills and tools required for developing the acting process. They build self-awareness, develop their imagination and concentration, recognize their emotional truth, learn the actor's vocabulary, and demonstrate the ability to be honest and committed in their acting. In addition, students learn how to behave as a professional actor as they demonstrate the focus and respect necessary in an acting class, on stage, or on set.

Advanced Theatre

Requires positive collaborative skills, and a recommendation from previous instructor(s). Students are expected to work as an ensemble to interpret, criticize, conceptualize, generate, and produce a variety of theatrical performances for a variety of audiences. Students in these courses should be actively involved in Piper Players (Drama Club) as well as all District 7 Thespian activities. Students will perfect specific skills (acting, lighting, sound, set design, and building) identified and developed throughout their theatre experience.

Prerequisite: Theatre I

Musical Theatre

Introduces the history of musical theatre and its place in today's society. Students will participate in staging, choreographing, rehearsing, and performing original or existing musical work. These activities will incorporate elements of theatre history, analysis, creative process, and integrated studies. There will also be a focus on studying the work of an actor/singer/dancer. Students will prepare material for class presentation and critique. In addition, students learn how to behave as a professional actor as they demonstrate the focus and respect necessary in a musical theater class or on stage.

Prerequisite: Theater 1

Fine Arts Department

Debate I

Exposes students to the elements of argumentation and public speaking, as well as current events and contemporary topics in debate.

Debate I-IV Honors

Teaches students the fundamentals of public speaking and argumentation. Students will engage in a variety of in-class performances designed to improve their confidence and public speaking. Students will also be exposed to current events and contemporary topics in debate. Participation in county tournaments is required.

Prerequisite: Debate 1 or previous debate course. (Counts as performing arts credit)

AICE Media Studies (Grades 9-12)

Offers learners the chance to develop an understanding and appreciation of the place of media in our everyday lives. This course enables learners to take a hands-on approach to the subject. Through the coursework components, students create their own media products from planning through to execution. Learners also consider and analyze examples from existing media, examining production processes and technologies and the effects they achieve.

Music of the World

Students in this course will study music of various decades and cultures around the world and from multiple mediums. No performances are required to participate in this course.

Band I & II (Symphonic Band)

Entry level and Intermediate band class for students having no experience to limited experience in wind instruments. Students in this course will participate in marching and concert band program throughout the year. Performances are required.

Band III & IV (Wind Ensemble)

Advanced band class for students who have 3 + years of experience playing wind instruments. Students in this class will participate in the music program extensively. Recommendation from the Piper HS band director is required to be enrolled in this course. Performances are required.

Prerequisite: Band I and previous band course.

Instrumental Techniques (Percussion)

Class for students who wish to learn and/or extend their learning on percussion instruments. Participation in the marching and concert band is required.

Orchestra I, II & III

Entry level and Intermediate Orchestra class for students having no experience to limited experience on string instruments (violin, viola, cello & string bass). Students in this course will participate in marching and concert band program throughout the year. Performances are required.

Leadership Courses

Student Government Association I - IV (SGA)

Responsible for governing student interests, advocating for student concerns, providing support and recognition for recognized student organizations, and serving students by hosting activities and events that enhance student life. Students will be required to participate in fundraising and other events outside of the normal school day.

Latinos in Action

Offers an asset-based approach to bridging the graduation and opportunity gap for Latino students, working from within the educational system to create positive change. The end goal is to empower Latino youth to lead and strengthen their communities through college and career readiness. Focuses on four pillars: leveraging personal and cultural assets, excelling in education, serving the community, and developing leadership skills.

Army JROTC I-IV

Designed to teach high school students the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment, while instilling in them self-esteem, teamwork, and self-discipline. Academic rigor includes service learning research papers and team projects. Upperclassmen participate in coursework-related national essays. Accreditation for the program requires staff teamwork and active leadership roles. The curriculum is half physical training/drill and half academic with coursework in personal finance, government, first-aid, geography, and psychology.

Peer Counseling

Enable students to develop basic knowledge and skills in communication, meeting human needs, and conflict resolution.

Physical Education Department

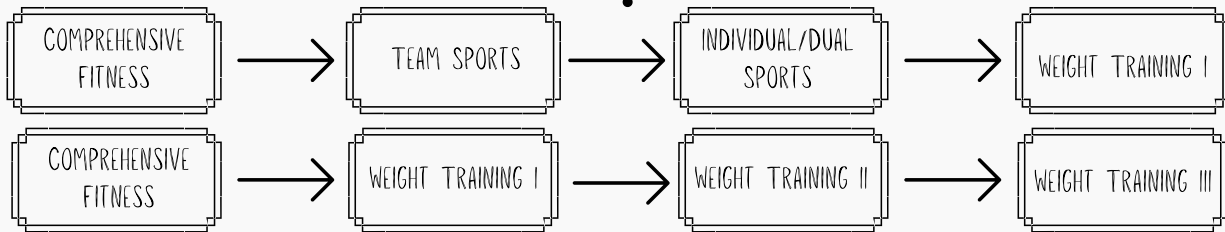
Comprehensive Fitness

Develops and enhances healthy behaviors that influence lifestyle choices, student health, and fitness.

Meets the PE requirement for graduation.

Weight Training I, II, & III

Provides students with opportunities to acquire and extend their knowledge and skills in weight training that may be used in physical fitness, muscular strength, and endurance.



Individual/Dual Sports

The purpose of this course is to provide students with opportunities to acquire knowledge of strategies of individual and dual sports play, develop skills in selected individual and dual sports, and maintain and/or improve their personal fitness.

Team Sports

Provides students with knowledge of strategies of team sports play, develops skills in specified team sports, and maintains or improves health related fitness.

World Languages Department

Pre-AICE Spanish I, II, III & IV

Introduces students to the Spanish language and its culture, and develops speaking and reading skills and cross-cultural understanding.

Courses should be taken sequentially.

AICE Spanish AS Level

Develops students' ability to understand and communicate confidently and clearly in spoken and written language. Students will prepare for and take the AICE Spanish exam.

Prerequisite: Spanish III, fluent in Spanish, or teacher recommendation.

Advanced Placement Spanish Language

Develops an understanding of how to effectively use the language in a variety of reading, writing, and speaking situations and prepares students for the AP Spanish exam.

Prerequisite: AICE Spanish, fluent in Spanish, or teacher recommendation.

Pre-AICE French I, II, III & IV

Introduces students to the French language and its culture, and develops speaking and reading skills and cross-cultural understanding.

Courses should be taken sequentially.

AICE French AS Level

Develops students' ability to understand and communicate confidently and clearly in spoken and written language. Students will prepare for and take the AICE French exam.

Prerequisite: French III, fluent in French, or teacher recommendation.

Advanced Placement French Language

Develops an understanding of how to effectively use the language in a variety of reading, writing, and speaking situations and prepares students for the AP French exam.

Prerequisite: AICE French, fluent in French, or teacher recommendation.

ACCESS Points Curriculum

Specially Designed PE

Provides experience and opportunities for students with disabilities to develop motor skills and to participate in various physical activities that may be modified to meet individual needs.

Access Visual and Performing Arts

Designed for students to promote enjoyment and appreciation for all aspects of theatre. Incorporation of other art forms in theatre also helps students gain appreciation for other art forms, such as music, dance, and visual art.

Access HOPE

Develops and enhances healthy behaviors that influence lifestyle choices and student health and fitness. Students will combine the learning of principles and background information in a classroom setting with physical application of the knowledge.

Steps to Earning AICE Diploma

GROUP 1:

MATH & SCIENCE

- AICE MARINE SCIENCE
- AICE ENVIRONMENTAL MANAGEMENT

MUST EARN ONE CREDIT

GROUP 2:

LANGUAGES

- AICE ENGLISH LANGUAGE
- AICE SPANISH LANGUAGE
- AICE FRENCH LANGUAGE

MUST EARN ONE CREDIT

GLOBAL PERSPECTIVES
MANDATORY CREDIT

GROUP 3:

ARTS & HUMANITIES

- AICE INTERNATIONAL HISTORY
- AICE MEDIA STUDIES
- AICE SOCIOLOGY

MUST EARN ONE CREDIT

GROUP 4:

OPTIONAL

- AICE GENERAL PAPER
- AICE THINKING SKILLS

CAN EARN TWO CREDITS

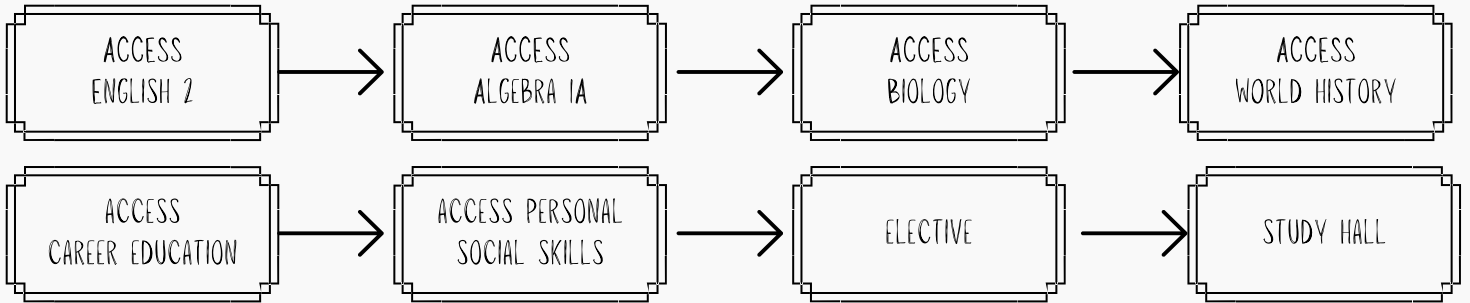


EARNING THE AICE DIPLOMA GUARANTEES A BRIGHT FUTURES ACADEMIC SCHOLARSHIP,
THE HIGHEST BRIGHT FUTURES AWARD POSSIBLE.

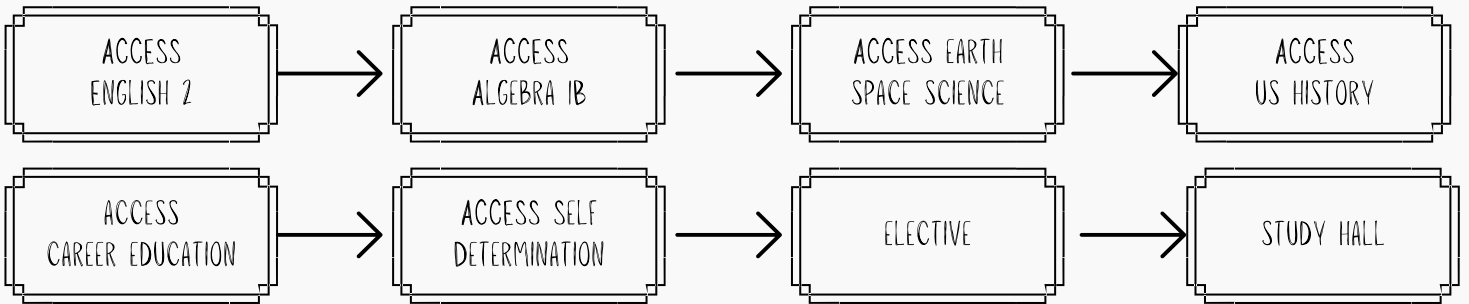


ACCESS Course Progressions

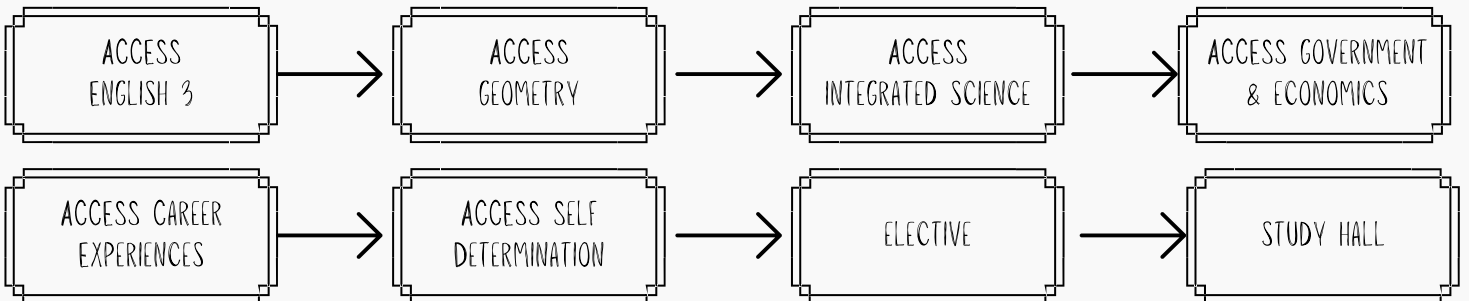
9th Grade



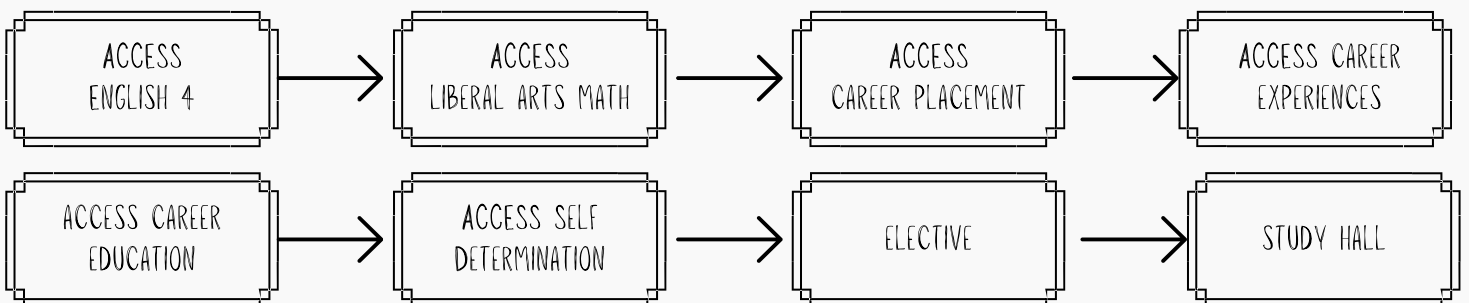
10th Grade



11th Grade



12th Grade



Pass

