

FY23 Curriculum Guide

Suncoast High School

This curriculum guide has been created to assist students in the course selection process. Please note that all course descriptions, as well as school, district, and state policies and/or requirements, were accurate at the time of publication but are subject to change.

Additionally, please note that the majority of course descriptions have been taken directly (verbatim) from one or more of the following sources for the purpose of providing a "brief" overview of course scope and content. Individual links are provided when applicable.

For more detailed information, please see:

[IB \(MYP and DP\) Subject Briefs](#)
[College Board's AP Course and Exam Information](#)
[Cambridge AICE Subject/Course Information](#)
[SDPBC's Curriculum/Course Information](#)

Additional Resources:

[Strategic Plan](#)

[2021-2022 Student Progression Plan](#)

[Students and Parents Quick Links](#), which includes information regarding:

- Academics
- Academic and Other Programs
- Student Policies and Procedures
- Health, Safety, and Other Services
- Student and Parent Involvement
- Resources

[Graduation Requirements \(from the Florida Department of Education\)](#)

Important notes regarding course selection:

- ◆ Suncoast students annually choose their courses for the following year based on their Choice Program. **Students are required to take all courses listed by name on their program's four-year plan on our campus at the time (semester or year) the courses are listed.**
- ◆ Each year we reconfigure our master board to meet each program's curricular requirements as well as students' requests. Therefore, once a student selects their courses (via the online course registration process) and confirms their selections with their academic counselor, **no changes will be made ~ only corrections.**

Corrections include, but are not limited to:

- being scheduled to a course without having the pre-requisite coursework or GPA,
 - being scheduled into the wrong level of a course (i.e. honors when it should be AP),
 - being scheduled into a duplicate course (one which you have already received credit for), and
 - being scheduled for an elective when you are missing a graduation requirement.
- ◆ It is highly recommended that you speak with your current teachers regarding your selections in their curricular areas for next year.
 - ◆ Please choose your courses based on content, not on current instructor, as teachers' assignments often change.



Accelerated Programs and Advanced Coursework

Suncoast students in all programs are encouraged to take advantage of advanced course offerings and acceleration programs.

Advanced International Certificate of Education (AICE)

Advanced International Certificate of Education (AICE) is an international, innovative, and accelerated pre-university curriculum and examination system for academically able students offered through the University of Cambridge.

Suncoast offers the following **AICE** courses: English General Paper AS, Language in Literature AS, and English Language AS

For more information, visit [Cambridge International AS & A Levels](#)

Advanced Placement (AP) Courses

The College Board's AP Program is a nationwide program consisting of 38 college-level courses and exams offered at participating high schools. Students who earn a qualifying grade of three or above on an AP exam can earn college credit, or AP credit, or both, depending on the college or university.

For general information, visit <https://apcentral.collegeboard.org/>.

For detailed course descriptions, visit <https://apcentral.collegeboard.org/courses>.

Suncoast offers the following **Advanced Placement** courses:

AP Capstone

AP Seminar
AP Research

Arts

AP Music Theory
AP Studio Art: 2-D Design

English

AP English Language & Composition
AP English Literature & Composition

History & Social Science

AP Comparative Government & Politics
AP Human Geography
AP Macroeconomics
AP Microeconomics
AP Psychology
AP United States Government & Politics
AP United States History
AP World History

Math & Computer Science

AP Calculus AB
AP Computer Science A
AP Statistics

World Languages & Cultures

AP French Language & Culture
AP Spanish Language & Culture
AP Spanish Literature & Culture

Sciences

AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1: Algebra-Based
AP Physics 2: Algebra-Based
AP Physics C: Electricity & Magnetism
AP Physics C: Mechanics

International Baccalaureate Diploma Programme (IBDP)

The IBDP Programme aims to develop students who have excellent breadth and depth of knowledge – students who flourish physically, intellectually, emotionally and ethically. See [IB Diploma Programme](#) for more information.

The DP curriculum is comprised of six subject groups and the DP core, which includes theory of knowledge (TOK), creativity, activity, service (CAS) and the extended essay. Through the DP core, students reflect on the nature of knowledge, complete independent research and undertake a project that often involves community service.

See pages 19 – 24.

Suncoast offers the following **IBDP** courses:

Group 1: Studies in Language and Literature

IB English Literature III/IV
IB Spanish Language & Literature

Group 2: Language Acquisition

IB Spanish III/V/VI
IB French III/V/VI

Group 3: Individuals and Societies

IB Economics I-III
IB Psychology I-III
IB History of Americas I
IB Contemporary History II

Group 4: Sciences

IB Biology I-III
IB Chemistry I-II
IB Physics III
IB Environmental Systems & Societies II
IB Computer Studies I & III

Group 5: Mathematics

IB Math: Applications & Interpretations I-II
IB Math: Analysis & Approaches I-III

Group 6: The Arts

IB Theatre I-III
IB Music I-III
IB Visual Arts I-III

Core:

IB Theory of Knowledge I-II
IBCP Personal/Professional Skills I-II

International Baccalaureate Career-related Programme (IBCP)

The IB Career-related Program (IBCP) is a framework of international education that incorporates the vision and educational principles of the IB into a unique program specifically developed for students who wish to engage in career-related education.

For more information, visit [What is the CP?](#)

For framework details, visit [CP Curriculum](#).

Advanced Placement (AP) Capstone Diploma Program

AP Capstone™ is a diploma program based on two yearlong AP courses: AP Seminar and AP Research. These courses are designed to complement other AP courses that the AP Capstone student may take. Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need for college-level work.

Enrollment in AP Capstone is a two-year commitment. Students enrolling in AP Seminar for junior year will be required to take AP Research senior year.

For more information, visit [AP Capstone Diploma Program](#).

Industry Certification

Industry certifications earned through secondary and postsecondary Career and Technical Education (CTE) programs and courses are an important component of Florida's public education system.

Please see individual course descriptions for industry certifications available.

Dual Enrollment Courses

Dual enrollment allows eligible high school students to enroll in postsecondary courses. Dual enrollment courses are college-level courses. The amount of work and rigor of content is significantly greater than that of a high school course. Students earn both high school and college credit. Dual enrollment students do not have to pay registration or matriculation fees yet may have to pay laboratory fees. In addition, textbooks for dual enrollment are provided to students free of charge. Grades received through dual enrollment at Florida colleges and universities become part of the permanent postsecondary record.

Note: Students may take a maximum of 8 credit hours per semester (2 courses).



No exceptions will be made...

Students taking a dual enrollment course as part of their Suncoast High School schedule

WILL NOT BE PERMITTED TO DROP THE CLASS at any time during the semester for any reason.

PBSC Dual Enrollment Eligibility Requirements (Visit <https://www.palmbeachstate.edu/dualenroll/default.aspx>)

Students must:

1. Have four high school credits, two of which must include an English Language Arts and a Math course*.
2. Have a minimum cumulative un-weighted high school GPA of 3.00 for credit courses.
3. Provide college-level readiness scores in Reading, Writing and Math. (See [PBSC College Readiness Assessment & Scores](#).)
4. Submit a college application online (available at <https://www.palmbeachstate.edu/admissions/admissions-applications.aspx>.)
5. Enroll in a mandatory [PBSC Online Dual Enrollment Orientation](#).
6. Obtain a "**Dual Enrollment Permission and Registration**" form from your high school counselor indicating course selection(s).

NOTE: This form must also be signed by the high school counselor, student, and a **parent/guardian**.

7. Receive a grade of "C" or better on all college coursework.
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To continue taking Dual Enrollment classes, students must:

1. Receive a grade of "C" or better on all college coursework.
 2. Maintain a cumulative 3.0 unweighted high school GPA.
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Suncoast offers the following **Dual Enrollment** courses:

Mathematics (PBSC)

Calculus II & III

Differential Equations I

Linear Algebra

Discrete Math

English (PBSC)

English Literature Before 1800

English Literature After 1800

English Composition I

English Composition II

Suncoast High School 2021-2022 Course Descriptions (Pages 5 – 20)

Computer Science/Technology	Pages 5–6
English	Page 7
Fine Arts	Pages 8–9
Mathematics	Pages 10–11
Miscellaneous	Page 12
Physical Education	Page 12
Science	Page 13
Social Studies	Pages 14–15
World Language	Page 15
International Baccalaureate	Pages 16–20

Course Description Key:

Y: Full-year course **S:** Semester course **Pre-req:** Course(s) required to be successfully completed prior to enrollment.
Co-req: Course(s) required to be taken simultaneously.

G9: 9th grade **G10:** 10th grade **G11:** 11th grade **G12:** 12th grade

For more detailed information regarding courses and their standards, please visit the following links (by subject area):

[Mathematics](#)

Courses include: Algebra 1 (Regular and Honors/MYP), Geometry (Regular and Honors/MYP), Algebra 2 (Regular and Honors/MYP), Pre-Calculus Honors, and Probability and Statistics with Applications Honors.

[Science](#)

Courses include: Anatomy and Physiology Honors, Biology 1 Honors (MYP), Chemistry 1 Honors, Environmental Science Honors, and Physics 1 Honors.

[Social Studies](#)

Courses include: World History, US History, Government, and Economics with Financial Literacy.

Game and Simulation Foundations (8208110 - Y)

This course is an introduction to game and simulation concepts and careers, its impact on society and industry, and basic design concepts such as rule design, play mechanics, and media integration. Students will compare and contrast games and simulations, key development methodologies and tools, careers, and industry-related information. Also covered are strategies, processes, and methods for conceptualizing a game or simulation application; storyboarding techniques; and development tools. Hands-on activities are integrated into the curriculum. The culminating activity is the creation of a playable game.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8208300-1718.rtf>

Certification Opportunity: TBOOM003 – Toom Boom: Certified Associate (Storyboard Pro)

Game and Simulation Design (8208120 - Y) ♦ Pre-req: Game & Sim Foundations

This course covers the fundamental principles of designing a game or simulation application, in particular Human Computer Interface principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and implementation issues. Content includes market research, product design documentation, storyboarding, proposal development, and project report presentation emphasizing the techniques needed to develop well-documented, structured game or simulation programs. Hands-on activities are integrated into the curriculum. The culminating activity is the creation and presentation of a playable game with design documentation.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8208300-1718.rtf>

Certification Opportunity: TBOOM003 – Toom Boom: Certified Associate (Storyboard Pro)

Game and Simulation Programming (8208330 - Y) ♦ Pre-req: Game & Sim Design

Course focus is on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, memory management, score-keeping, timed event strategies and methodologies, and implementation issues.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8208300-1718.rtf>

Certification Opportunity: MICR0074 – 98-364 – MTA – Software Development Fundamentals

Multi-User Game and Simulation Programming (8208340 - Y) ♦ Pre-req: Game & Sim Programming

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, score-keeping, timed event strategies and methodologies, and implementation issues specific to multi-user game/simulation products.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8208300-1718.rtf>

Commercial Photography Technology I (8772010 - Y)

This is an introductory course in 35mm camera operation. The use of various light meters as well as hand held light meters will be reviewed. Focusing systems are considered. Film types are compared to lighting conditions for proper exposures. Film loading and unloading are considered. The reciprocal value of apertures and shutter speeds are examined.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8772000-1718.rtf>

Certification Opportunity: ADOBE022 – Adobe Certified Associate (ACA) - Photoshop

Commercial Photography Technology II (8772020 - Y) ♦ Pre-req: Photo Tech I

This course instructs on the guidelines of composing within the photographic frame as well as posing one or more subjects for portraiture in the studio. Additionally, the guidelines for setting up a still life are introduced as are the other rules for arranging groups, determining format, color harmony, and perspective.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8772000-1718.rtf>

Certification Opportunity: ADOBE022 – Adobe Certified Associate (ACA) - Photoshop

Commercial Photography Technology III (8772030 - Y) ♦ Pre-req: Photo Tech II

This course is designed to expose the student to lighting techniques the coping of prints and employability skills.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/8772000-1718.rtf>

Certification Opportunity: ADOBE022 – Adobe Certified Associate (ACA) - Photoshop

AP Studio Art 2D (0109355 - Y)

Develop your skills in a two-dimensional medium such as graphic design, photography, collage, printmaking, and others as you learn the principles of 2-D design. You'll create artwork that reflects your own ideas and skills and what you've learned.

<https://apstudents.collegeboard.org/courses/ap-2-d-art-and-design>

Certification Opportunity: ADOBE022

Engineering Technology I (8600570 - Y)

This course introduces students to the knowledge, human relations, and technological skills found today in technical professions.

www.fldoe.org/core/fileparse.php/5655/urlt/0103678-8607000.rtf

Certification Opportunity: RECFN001 – RECF Pre-Engineering Certification

Engineering Technology II (8600670 - Y)

This course provides students with an intermediate understanding of the knowledge, human relations, and technological skills found today in technical professions.

www.fldoe.org/core/fileparse.php/5655/urlt/0103678-8607000.rtf

Certification Opportunity: RECFN001 – RECF Pre-Engineering Certification

Technical Design I (8401010 - Y)

This course provides students with instruction in the characteristics and evolution of technology, underlying principles of design, and fundamental knowledge and skills in the use of illustration and drafting software. Content includes the use of essential application software. The ultimate output of this course is a student-created design portfolio.

www.fldoe.org/core/fileparse.php/18404/urlt/8401000-1718.rtf

Certification Opportunity: ADESK002 – Autodesk Certified User – AutoCAD

Technical Design II (8401020 - Y) ♦ Pre-req: Technical Design I

In this course, students learn more about the nature of design and drafting techniques for architectural purposes. Students receive instruction in a variety of technical illustrations commonly produced to depict architectural concepts and designs. Students are expected to continue collating their portfolio using exemplars of their work.

www.fldoe.org/core/fileparse.php/18404/urlt/8401000-1718.rtf

Certification Opportunity: ADESK011 – Autodesk Certified User – Inventor

Technical Design III (8401030 - Y) ♦ Pre-req: Technical Design II

This course provides students with instruction in advanced imaging techniques relative to both static and animated illustrations. Students will learn more about advanced techniques, and have an opportunity to research a project, design an appropriate solution, and present their results. The ultimate output of this course is the student's presentation of a completed portfolio illustrating their best exemplars.

www.fldoe.org/core/fileparse.php/18404/urlt/8401000-1718.rtf

Certification Opportunity: CNCSI001 – Mastercam Certified Programmer Mill Level 1 (CPgM1)

Advanced Technology Applications (8601900 - Y) ♦ Pre-req: Technical Design III

This course provides students with the opportunity, to develop a project from "vision" to "reality". Working in teams to design, engineer, manufacture, construct, test, redesign, test again, and then produce a finished "project".

www.fldoe.org/core/fileparse.php/18404/urlt/8601900-1718.rtf

Certification Opportunity: CNCSI001 – Mastercam Certified Programmer Mill Level 1 (CPgM1)

Java Programming Essentials (9007240 - Y)

This course focuses on computer programming concepts specific to the Java programming language.

www.fldoe.org/core/fileparse.php/18404/urlt/9007200-1718.rtf

Certification Opportunity: MICRO114 – Microsoft Technology Associate (MTA) – Introduction to Programming Using Java

AP Computer Science A (0200320 - Y) ♦ CS Pre-req: Java Pgm Essentials

Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. You'll do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks.

<https://apstudents.collegeboard.org/courses/ap-computer-science-a>

Java Database Programming (9007260 - Y) ♦ CS Pre-req: AP CS A; Co-req: Applied Object-Oriented Java Programming

This course continues the study of computer programming concepts specific to the Java programming language.

<http://www.fldoe.org/core/fileparse.php/18404/urlt/9007200-1718.rtf>

Certification Opportunity: MICRO070 – 98-364 – MTA – Database Administration Fundamentals

Digital Information Technology (8207310 - Y)

This provides 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. Course content includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, webpage design, and the integration of these programs using software that meets industry standards.

[Digital Information Technology \(8207310\)](#)

Digital Electronics (8600530 - Y)

Digital Electronics is the junior year engineering course designed for MSE students. The first semester focuses on programming and science and engineering applications in MATLAB. Students will also complete a science fair project to fulfill the MSE's program requirement for science fair. The second semester of the course focuses on constructing, programming, and analyzing electronic circuits. (The course is also available to CS student on the MSE math track.)

Intensive Reading I, II, III (1000410A/B/C - Y)

This course serves to accelerate the development of and strengthen reading and writing skills so students are able to successfully read and write grade level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study via the use of a variety of literary and informational texts. The course is designed to foster a love of reading as well as prepare students to pass State exams and meet with college or professional success.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13190>

AICE General Paper AS (1009360 - Y)

Develop understanding and use of English language in the context of contemporary topics, develop a wider awareness and knowledge of issues through reading, independent reasoning skills, develop skills of interpretation, analysis, evaluation and persuasion, develop skills in writing structured and developed arguments, and present reasoned explanations, and develop the ability to present a point of view clearly, and consider and reflect upon those of others.

<https://www.cambridgeinternational.org/Images/557265-2022-2024-syllabus.pdf>

AP English Language & Composition (1001420 - Y)

Learn about the elements of argument and composition as you develop your critical-reading and writing skills. You'll 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.

<https://apstudents.collegeboard.org/courses/ap-english-language-and-composition>

AICE English Literature AS (1005370 - Y) ♦ *Grade 10 IB Requirement*

Enjoy reading literature, develop an appreciation of and an informed personal response to literature in different forms, and from different periods and cultures, communicate effectively, accurately and appropriately in written form, develop reading, analysis and communication skills, analyze and evaluate writing methods, and encourage wider reading.

<https://www.cambridgeinternational.org/Images/502932-2021-2023-syllabus.pdf>

AP English Literature & Composition (1001550 - Y)

Learn how to understand and evaluate works of fiction, poetry, and drama from various periods and cultures. You'll read literary works and write essays to explain and support your analysis of them.

<https://apstudents.collegeboard.org/courses/ap-english-literature-and-composition>

AICE English Language (1001550 - Y)

Develop a critical and informed response to texts in a range of forms, styles and contexts, produced for a variety of audiences, communicate effectively, creatively, accurately and appropriately in their writing, develop the interdependent skills of reading, analysis and research, develop an appreciation of concepts and techniques in the study of English language, build a firm foundation for further study of language and linguistics

<https://www.cambridgeinternational.org/Images/502932-2021-2023-syllabus.pdf>

AP Seminar (1700500 - Y)

Develop and practice the skills in research, collaboration, and communication needed in any academic discipline. Investigate topics in a variety of subject areas, write research-based essays, and design and give presentations (individual and group).

<https://apstudents.collegeboard.org/courses/ap-seminar>

AP Research (1202380 - Y) ♦ Pre-req: AP Seminar

Build on skills learned in AP Seminar to deeply explore an academic topic, problem, or issue of individual interest. Design, plan, and conduct a year-long research based investigation to address a research question.

<https://apstudents.collegeboard.org/courses/ap-research>

Dual Enrollment (PBSC) Courses**English Literature Before & After 1800** (ENL2012 - S & ENL2022 - S) ♦ Pre-req: Score of 3 or better on the AP Lang exam.

Students will study writings produced in the British Isles from the beginnings to 1800 and from the 1800 to the present, and work on developing appreciation for major writers and their influences. Concurrently, students will focus on reading, interpreting and discussing the literature critically. Through this process, students will have deepened understandings of what being human means.

<https://www.palmbeachstate.edu/catalog/current/courses/ENL/ENL2012.aspx>

<https://www.palmbeachstate.edu/catalog/current/courses/ENL/ENL2022.aspx>

College Composition I & II (ENC1101 – S & ENC 1102♦ - S) ♦ Pre-req: ENC 1101 with a grade of C or higher.

ENC 1101 covers academic writing, the writing process, the correct use of outside resources, and a review of mechanics, syntax and grammar. Students will develop strategies for planning and drafting an essay, developing a thesis, effectively incorporating and correctly documenting sources, and using effective diction, sentence structure and conventions of standard English.

ENC 1102 teaches skills and techniques for argumentative research writing.

<https://www.palmbeachstate.edu/catalog/current/courses/ENC/ENC1101.aspx>

<https://www.palmbeachstate.edu/catalog/current/courses/ENC/ENC1102.aspx>

Fine Arts Courses with a star (★) require students to participate in some fashion or manner (practice, rehearsals, performances, competitions, event coverage, etc.) **outside of the regular school day**. Please see the individual teachers to the specifics regarding the size and duration of the “after-hours” and “weekend” commitment.

Drawing I (0104340 - Y)

Students experiment with media and techniques used to create a variety of two-dimensional artworks through the development of skills in drawing. 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.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13657>

Drawing III Honors (0104360 - Y)

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

<http://www.cpalms.org/Public/PreviewCourse/Preview/13659>

AP Studio Art: 2-Dimensional Design (0109350 - Y)

Students will work with diverse media, styles, subjects, and content. Students' required portfolios will consist of the following three sections: (1) The range of Approaches (Breadth) section illustrates a range of ideas and approaches to art making; (2) The Sustained Investigation (Concentration) sections shows sustained, deep, and multiperspective investigation of a student-selected topic; and (3) The Selected Works (Quality) section represents the student's most successful works with respect to form and content. Students' work will be informed and guided by observation, research, experimentation, discussion, critical analysis, and reflection, relating individual practices to the art world.

<https://apstudents.collegeboard.org/courses/ap-2-d-art-and-design>

Chorus V Honors ★ (1303340 - Y)

This advanced class is designed for students with previous participation in high school chorus who have demonstrated a capacity for developing advanced listening/aural skills and 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.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13878>

Chorus VI Honors ★ (1303350 - Y)

This advanced class is designed for students with a capacity for developing advanced listening/aural skills, performance techniques, and knowledge of vocal techniques, musical literacy, ensemble skills, and related musical knowledge. Focus is on managing, mastering, and refining skills and techniques via a variety of choral literature at a high level of artistic engagement.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13879>

AP Music Theory (1300330 - Y) ♦ Pre-req: Teacher approval/recommendation

Students will learn to recognize, understand, and describe the basic materials and processes of music, as well as develop skills by listening to, reading, writing, and performing a wide variety of music.

<https://apstudents.collegeboard.org/courses/ap-music-theory>

Band V Honors ★ (1302340 - Y)

This advanced course, designed for wind and percussion students with extensive experience in solo performance and larger performing ensembles, promotes significant depth of engagement and lifelong appreciation of music through performance and other experiences with sophisticated instrumental music, as well as creativity through composition and/or arranging. The course includes the development of advanced instrumental ensemble techniques and skills, extended music literacy and theory, and deep aesthetic engagement with a broad spectrum of high-quality repertoire, ranging from early music to the contemporary.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13854>

Band VI Honors ★ (1302350 - Y)

This highly advanced course, designed for students with substantial experience in solo performance and larger performing ensembles, promotes significant engagement with and appreciation for music through performance of sophisticated wind and percussion literature. Study focuses on mastery of highly advanced music skills, techniques, and processes, as well as creativity through composition and/or arranging and use of current technology to enhance creativity and performance effectiveness.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13855>

Music Theory II Honors ★ (1300310 - Y)

Students with prior music theory training study composition, form, and analysis, and develop individual aural skills. The aural, analytical, and cognitive skills expanded in this class inform the serious musician's performance abilities over a variety of styles and genres.

<https://www.cpalms.org/Public/PreviewCourse/Preview/4050>

Eurythmics I ★ (1305300 - Y) – BLOCK 8 Only (After Regular School Hours)

This course helps 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. <http://www.cpalms.org/Public/PreviewCourse/Preview/13895>

Eurythmics IV ★ (1305330 - Y) – BLOCK 8 Only (After Regular School Hours)

Student dancers develop advanced skills in creating, performing, and evaluating choreographed performances as an independent ensemble and in cooperation with a music ensemble. 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.

<https://www.cpalms.org/Public/PreviewCourse/Preview/13898>

Debate – Please note that there is a fee associated with extracurricular activities (debate competitions) at all levels of debate. Please see Ms. Traci Lowe for more information.

Debate I ★ (1007330 - Y)

Students develop awareness, understanding, and application of language arts as it applies to oral communication concepts and strategies for public debate in a variety of settings. Content includes delivering and analyzing argument and debate formats; delineating and evaluating the argument and specific claims in oral or written text; demonstrating appropriate formal and informal speaking techniques for audience, purpose, and occasion; and using research and writing to support topics and points of view.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13229>

Debate III – VI Honors ★ (1007350/60/70/80 - Y) ♦ Pre-req: Debate I; All higher level courses must be taken in sequence.

Debate III H: The purpose of this course is to develop students' enhanced awareness, understanding, and application of language arts as it applies to advanced oral communication concepts and strategies for public debate in a variety of given settings.

<https://www.cpalms.org/Public/PreviewCourse/Preview/17031>

Debate IV – VI H: The purpose of these courses is to apply advanced oral communication concepts and strategies for public debate in a variety of given settings.

<https://www.cpalms.org/Public/PreviewCourse/Preview/17032>, <https://www.cpalms.org/Public/PreviewCourse/Preview/17033> and <https://www.cpalms.org/Public/PreviewCourse/Preview/17034>

Debate III – VI H: Content includes delivering and analyzing a variety of argument and debate formats; delineating and evaluating the argument and specific claims in an oral or written text; demonstrating appropriate formal and informal public speaking techniques for audience, purpose, and occasion; using research and writing skills to support selected topics and points of view; assessing the veracity of claims and the reliability of sources; demonstrating use of techniques for timing and judging debates and other forensic activities; and collaboration amongst peers.

Journalism I (1006300 - Y)

The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13219>

Newspaper (1006331 - Y) ♦ Pre-req: Journalism I

This course focuses on the production of Suncoast's school newspaper, **The Legend**. Students will learn the basics of graphic design in its various visual and verbal components; experiment with page layouts using InDesign desktop publishing; study the history of newspapers along with the production process and the vocabulary of the trade. Additionally, students will participate in fund-raising activities (ad sales) to raise revenue for production.) Students will photograph school events as well as classmates around campus. These responsibilities are designed to help students learn the importance of setting goals and meeting deadlines.

Certification Opportunity: Adobe Certified Associate - Photoshop (creative cloud) – 022

Yearbook (Y) ♦ Pre-req: Journalism I

Yearbook, all levels, provides students marketable experience in print media publishing. Students will create *Renaissance*, Suncoast's national award winning yearbook. They will identify and report news-making events; incorporate journalistic forms, techniques, and knowledge to document a year in the history of Suncoast High School. They will use Adobe InDesign and Photoshop to produce layouts, photographs, graphic design, digital imaging, and manage the production of *Renaissance*. After school hours may at times be required in order to cover events, meet deadlines, or sell advertisements.

Certification Opportunity: Adobe Certified Associate, InDesign

TV Production (8772110 - Y) ♦ Pre-req: Journalism I

TV Production, all levels, provide students with a hands-on introductory experience in media production. These courses explore camera operation, script writing, lighting, audio production, and video editing. Students will learn the skills necessary to produce Suncoast's daily news program (WRSN), special video features, public service announcements, and commercials using Adobe Premiere Pro. Students are required to spend time outside of the classroom to videotape projects and cover events.

Certification Opportunity: Adobe Certified Associate, Premiere Pro

Algebra I (1200310 - Y)

This course formalizes and extends the math students learned in the middle grades by deepening and extending understanding of linear and exponential relationships. Content includes relationships between quantities and reasoning with equations; linear and exponential relationships; descriptive statistics; expressions and equations; and quadratic functions and modeling.

Foundational Skills in Math I (TBA - Y)

Taken concurrently with Algebra 1, this course reinforces, deepens, and extends a student's mathematical foundation.

MYP Algebra I (1200395 - Y)

See Algebra I (1200310) – This honors-level course will proceed at a faster pace and explore concepts in deeper depth.

Geometry (1206310 - Y) ♦ Pre-req: Algebra I

This course formalizes and extends students' geometric experiences by exploring more complex geometric situations and deepening explanations of geometric relationships, moving towards formal mathematical arguments. Content includes: Congruence, proof, and constructions; similarity, proof, and trigonometry; extending to three dimensions; connecting algebra and geometry through coordinates; and circles with and without coordinates.

Foundational Skills in Math 2 (TBA - Y)

Taken with Geometry (in grade 9 only), this course reinforces, deepens, and extends a student's mathematical foundation.

MYP Geometry (1206810 - Y) ♦ Pre-req: MYP Algebra I

See Geometry (1206810) – This honors-level course will proceed at a faster pace and explore concepts in deeper depth.

Algebra II (1200330 - Y) ♦ Pre-req: Algebra I and Geometry

This course builds on students' work with linear, quadratic, and exponential functions, to include polynomial, rational, and radical functions. Students work with function expressions, and expand their abilities to model situations and solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Content includes: Polynomials, rational, and radical relationships; trigonometric functions; modeling with functions; inferences and conclusions from data; and applications of probability.

MYP Algebra II (1200395 - Y) ♦ Pre-req: MYP Algebra I and MYP Geometry

See Algebra II (1200330) – This MYP/honors-level course will proceed at a faster pace and explore concepts at deeper depth than its regular-level counterpart.

Mathematics for College Algebra (1200710 - Y) ♦ Pre-req: Algebra II

Instructional time will emphasize five areas: (1) Developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) Extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) Solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) Modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; and (5) Extending knowledge of functions to include inverse and composition.

Math for College Liberal Arts (12007350 - Y) ♦ Pre-req: Algebra II

Instructional time will emphasize five areas: (1) Analyzing and applying linear and exponential functions within a real-world context; (2) Utilizing geometric concepts to solve real-world problems; (3) Extending understanding of probability theory; (4) Representing and interpreting univariate and bivariate data; and (5) Developing understanding of logic and set theory.

Pre-Calculus Honors (1202340 - Y) ♦ Pre-req: MYP/Algebra II Honors (MSE & CS Students)

This course examines systems of equations and inequalities, matrices, functions (including polynomial, rational, logarithmic, exponential, and trigonometric), analytical trigonometry, conic sections, limits and derivatives, sequence and series, vectors, and basic probability. A graphing calculator is required.

MYP Pre-Calculus (1202380 - Y) ♦ Pre-req: MYP/Honors Algebra II (IB Sophomores – leading to Math A&A Year 2)

Trigonometry sections include trigonometric functions; analytic trigonometry; the laws of sines and cosines; polar coordinates; graphs of polar functions, DeMoivre's Theorem; vectors; and the Dot Product. Math Analysis sections include functions and graphs; polynomial and rational functions; exponential and logarithmic functions, sine, cosine, and other trigonometric function graphs; matrices and determinants; and sequences and probability.

Probability and Statistics with Applications Honors (1210300 - Y)

This course covers the organization and interpretation of data using various graphs, calculation of measures of central tendency, calculation and interpretation of variance and standard deviation, determination of regression equations and calculation of correlation coefficients for sets of data, application of various sampling techniques, usage of various counting methods, permutations, and combinations, calculation and interpretation of probability for singular and compound events, interpretation and formulation of normal distributions, and application of the general principles of hypothesis testing.

AP Statistics (1210320 - Y) ♦ Pre-req: Algebra II

This course introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

<https://apstudents.collegeboard.org/courses/ap-statistics>

AP Calculus AB (1202310 - Y) ♦ Pre-req: Pre-Calculus Honors

This course is devoted to topics in differential and integral calculus. It covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

<https://apstudents.collegeboard.org/courses/ap-calculus-ab>

AP Calculus BC (1202310 - Y) ♦ Pre-req: AP Calculus AB

This course explores the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students will perform experiments and investigations and solve problems by applying your knowledge and skills.

<https://apstudents.collegeboard.org/courses/ap-calculus-bc>

Dual Enrollment (PBSC) Math Courses

Calculus with Analytic Geometry II (MAC2312/4 credits - S) ♦ Pre-req: AP Calc AB w/ a grade of "C" or better ♦ *Gordon Rule*

Calculus with Analytic Geometry III (MAC2313/4 credits - S) ♦ Pre-req: MAC2312 w/ a grade of "C" or better ♦ *Gordon Rule*

[MAC2312 - Calculus with Analytic Geometry 2 \(AA\)](#): Topics include techniques of integration, conic sections, polar coordinates, parametric equations, applications, and infinite series.

[MAC2313 - Calculus with Analytic Geometry 3 \(AA\)](#): Topics include solid analytic geometry and vectors in space, partial differentiation, multiple integration and line integrals.

Differential Equations I (MAP2302/3 credits - S) ♦ Pre-req: MAC2312 with a grade of "C" or better ♦ *Gordon Rule*

[MAP2302 - Differential Equations \(AA\)](#): Topics include ordinary differential equations, the Laplace transform, differential operators, systems of equations, orthogonal trajectories, electric networks, and inverse transforms.

Discrete Mathematics (MAD 2104/3 credits - S) ♦ Pre-req: MAC1105 or higher ♦ *Gordon Rule, computational*

Linear Algebra (MAS 2103/3 credits - S) ♦ Pre-req: MAC 2233, 2281, or 2311 with a grade of "C" or better

[MAD2104 - Special Topics in Mathematics: Discrete Math \(AA\)](#): Topics include logic, relations, basic set theory, countability and counting arguments, proof techniques, mathematical induction, combinatorics, discrete probability, recursion, recurrence relations, and number theory.

[MAS2103 - Linear Algebra \(AA\)](#): Topics include vectors and vector spaces, linear transformations and matrices, rank and determinants, systems of linear equations, diagonalization, and characteristic values.

Miscellaneous - Juniors and Seniors Only

Peer Counseling (1400310 – S/Y)

Suncoast's Peer Mentoring opportunities build relationships at both of our partnering schools (Mary McCloud Bethune Elementary and John F. Kennedy Middle) as Suncoast juniors and seniors tutor students at both locations during the school day.
<http://www.cpalms.org/Public/PreviewCourse/Preview/13233>

Miscellaneous - Seniors Only

The following semester electives are available to seniors only. Students are only permitted to take one semester of each course.

Student Aide (STUDENTAIDE) ♦ Pre-req: 2.5 GPA / No referrals for the semester prior to enrollment / Professional and amicable disposition / Designated Assistant Principal approval

Student aide positions are granted to seniors on a first-come, first-serve basis. Students must be amenable to working with diverse staff and note that assignments may change on an as-needed basis.

Senior Privilege (SENIORPRIV) ♦ Pre-req: 2.5 GPA / On track for graduation / Transportation

Senior privilege allows senior students to either come to school late or leave early for a semester. Privilege periods are assigned to blocks 1, 2, 6, and 7 as well as to semester 1 or semester 2 randomly after students' core courses are scheduled. Any students requesting a senior privilege **must be willing and able to accept either morning or afternoon assignments**.

Additionally, students who have senior privilege **are not permitted to come to campus early or stay on campus during their privilege period**.

Physical Education

MYP Physical Education (1501305 - S) & MYP Personal Fitness (1501810 - S)

Paired for all freshmen

These courses focus on both learning about and learning through physical activity. Content includes, but is not limited to physical and health-related knowledge (such as components of fitness, training methods, training principles, nutrition, lifestyle, biomechanics, exercise physiology, issues in sports, and first; aesthetic movement; team sports; individual sports; and international sports and activities (including athletic traditions and forms of movement beyond students' personal and cultural experiences.)

http://www.ibo.org/globalassets/digital-toolkit/brochures/myp-brief_phys-health-ed_2015.pdf

Weight Training I and II (1501340/50 - S)

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. Content includes knowledge of safety practices; assessment of health-related fitness; the importance and assessment of muscular strength and endurance; health problems associated with inadequate muscular strength and endurance; knowledge of skeletal muscles; sound nutritional practices related to weight training; and consumer issues. Level II is an extension of Level I and Level III is an extension of Level II.

<http://www.cpalms.org/Public/PreviewCourse/Preview/235>

Individual and Dual Sports I/II (1502410/20 - S)

These courses enable students to develop knowledge and skills in individual and dual sports to maintain health related fitness. Content includes safety practices; rules; terminology; etiquette; history of the sports; sportsmanship; correct technique in performing skills; consumer issues; benefits of participation; fitness activities; and assessment of skills.

Comprehensive Fitness (1501390 - S)

This courses provides students with opportunities to acquire knowledge and concepts of all aspects of fitness and increase their total fitness level. Students will participate in an array of sports from yoga, pilates, and dance to flag football, badminton, and pickleball, in a variety of settings including the dance room, the weight room, the beach, and the pool.

MYP Biology (2000850 - Y)

This course introduces students to biological concepts and themes. Laboratory investigations include the use of scientific inquiry, research, measurement problem solving, laboratory apparatus and technologies, experimental procedures and safety procedures.
http://www.ibo.org/globalassets/digital-toolkit/brochures/myp-brief_sciences_-2015.pdf

AP Biology (2000340 - Y) ♦ Pre-req: MYP Biology and MYP Chemistry

Study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena.
<https://apstudents.collegeboard.org/courses/ap-biology>

MYP Chemistry (2003830 - Y)

This course is a rigorous study of the composition, properties, and changes associated with matter. Topics include heat, atomic structure, mole concept, reaction rates and equilibrium, solutions, and electrochemistry. Lab work includes the use of scientific inquiry, research, measurement, laboratory apparatus and technologies, experimental procedures and safety procedures.
http://www.ibo.org/globalassets/digital-toolkit/brochures/myp-brief_sciences_-2015.pdf

AP Chemistry (2003370 - Y) ♦ Pre-req: MYP Chemistry and Algebra II

Learn about the fundamental concepts of chemistry including structure and states of matter, intermolecular forces, and reactions. You'll do hands-on lab investigations and use chemical calculations to solve problems.
<https://apstudents.collegeboard.org/courses/ap-chemistry>

Anatomy and Physiology Honors (2000360 – Y)

The purpose of this course is to enable students to develop an understanding of the relationships between the structures and functions of the human body.

Environmental Science Honors (2001341 - Y) ♦ Pre-req: MYP Biology, MYP Chemistry

This interdisciplinary course provides students with scientific principles, concepts, and methodologies required to identify and analyze environmental problems and to evaluate risks and alternative solutions for resolving and/or preventing them

AP Environmental Science (2001380 - Y) ♦ Pre-req: MYP Biology, MYP Chemistry, Algebra

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. You'll take part in laboratory investigations and field work.
<https://apstudents.collegeboard.org/courses/ap-environmental-science>

Physics I Honors (2003390 – Y) ♦ Pre-req: Geometry; Corequisite: Algebra II

This course will introduce and focus on the following concepts of physics: Motion and vectors; forces and motion; energy and systems; vibration, waves, and sound; light and optics; matter and energy; electricity and magnetism; and modern physics.

AP Physics I: Algebra-Based (2003421 - Y) ♦ Pre-req: Algebra II

Learn about the foundational principles of physics as you explore Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students participate in hands-on laboratory work to investigate phenomena.
<https://apstudents.collegeboard.org/courses/ap-physics-1-algebra-based>

AP Physics II: Algebra-Based (2003422 - Y) ♦ Pre-req: AP or Honors Physics I and Pre-Calculus

Expand your understanding of physics as you explore topics such as fluids; thermodynamics; electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. Students participate in hands-on and inquiry-based in-class activities and laboratory work to investigate phenomena.
<https://apstudents.collegeboard.org/courses/ap-physics-2-algebra-based>

AP Physics C: Mechanics (S) and Electricity & Magnetism (S) (Taken together) ♦ Pre-req: AP or IB Calculus, AP Physics I

Mechanics explores concepts such as kinematics; Newton's laws of motion, work, energy, and power; systems of particles and linear momentum; rotation; oscillations; and gravitation. Students participate in hands-on laboratory work and in-class activities to investigate phenomena and use calculus to solve problems.
<https://apstudents.collegeboard.org/courses/ap-physics-c-mechanics>

Electricity and Magnetism explores concepts such as electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields, and electromagnetism. Students participate in hands-on laboratory work and in-class activities to investigate phenomena and use calculus to solve problems.

<https://apstudents.collegeboard.org/courses/ap-physics-c-electricity-and-magnetism>

MYP World History (2109830 - Y)

This course is an in-depth study of the history of civilizations and societies, including North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13372>

AP World History: Modern (2109420 - Y)

Students study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. They will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

<https://apstudents.collegeboard.org/courses/ap-world-history-modern>

AP Human Geography (2103400 - Y)

Students explore how humans have understood, used, and changed the surface of Earth. They will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use.

<https://apstudents.collegeboard.org/courses/ap-human-geography>

Voluntary School/Community Service (2104330 - S)

Paired with AP US Government and Politics

Content emphasizes the concept of service to society and the engagement in activities that benefit communities. This includes the identification of school/community challenges and needs, options for responding to identified needs, and the development and implementation of a plan for providing school/community service. Students' MYP Personal Project requires them to identify a community need, develop and implement a plan for services to meet that need, and submit an activity log documenting their actions. To receive credit for this course, documentation of at least 75 hours of school or community service must be provided.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13342>

AP US Government and Politics (2106420 - S)

Paired with Voluntary School/Community Service

Study the key concepts and institutions of the political system and culture of the United States. You'll read, analyze, and discuss the U.S. Constitution and other documents as well as complete a research or applied civics project.

<https://apstudents.collegeboard.org/courses/ap-united-states-government-and-politics>

AP United States History (2100330 - Y)

Students study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. They will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

<https://apstudents.collegeboard.org/courses/ap-united-states-history>

African-American History Honors (2100336 - S)

Students study the chronological development of African Americans by examining political, economic, social, religious, military and cultural events. Content includes West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, turning points and trends in the development of African American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, historical figures and events, and contemporary African-American affairs.

Holocaust History Honors (2100405 - S)

This course examines the events of the Holocaust (1933-1945), the systematic, planned annihilation of European Jews and other groups by Nazi Germany. Content includes the examination of 20th century programs and of 20th and 21st century genocides, investigation of human behavior during this period, and understanding of the ramifications of prejudice, racism, and stereotyping.

Economics with Financial Literacy Honors (2102345 - S)

This course focuses on the concepts and processes of national and international economic systems. Content may include currency, banking, and monetary policy, fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Personal Financial Literacy Honors (2102374 - S)

This course focuses on Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision-making and real-life applications using real data. Course content aims to enable with the knowledge and skills to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

AP Microeconomics (2102360 - S)

Students study the principles of economics that apply to the behavior of individuals within an economic system, using graphs, charts, and data to analyze, describe, and explain economic concepts.

<https://apstudents.collegeboard.org/courses/ap-microeconomics>

AP Macroeconomics (2102370 - S)

Students explore the principles of economics that apply to an economic system as a whole, using graphs, charts, and data to analyze, describe, and explain economic concepts.

<https://apstudents.collegeboard.org/courses/ap-macroeconomics>

AP Comparative Government and Politics (2106430 - S)

Students examine the political institutions and processes of six different countries (China, Iran, Mexico, Nigeria, Russia, and the United Kingdom) and compare the ways they address problems using data analysis to draw conclusions about political systems.

<https://apstudents.collegeboard.org/courses/ap-comparative-government-and-politics>

AP Psychology (2107350 - Y)

Students explore the ideas, theories, and methods of the scientific study of behavior and mental processes, and examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies.

<https://apstudents.collegeboard.org/courses/ap-psychology>

AP European History (2109380 - Y) ♦ Pre-req: MYP or AP World History

Students study the cultural, economic, political, and social developments that have shaped Europe from c. 1450 to the present. They will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

<https://apstudents.collegeboard.org/courses/ap-european-history>

World Language

Students' initial World Language course level is determined by a Suncoast-administered placement test.

Spanish for Spanish Speakers I (0709300 - Y)

This course enables students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their heritage language by reinforcing and acquiring skills in listening, speaking, reading, and writing, including the fundamentals of grammar.

<http://www.cpalms.org/Public/PreviewCourse/Preview/13823>

MYP Spanish I/II/III (0708870/80/90 - Y)

The study of languages provides students with the opportunity to develop insights into the features, processes and craft of language and the concept of culture, and to realize that there are diverse ways of living, viewing and behaving in the world. The ability to communicate in a variety of modes, in more than one language, is essential to the concept of an international education.

http://www.ibo.org/globalassets/digital-toolkit/brochures/myp-brief_language-acquisition_2015.pdf

AP Spanish Language and Culture (0708400 - Y)

Develop your Spanish language skills and learn about the cultures in Spanish-speaking parts of the world. You'll practice communicating in Spanish and study real-life materials such as newspaper articles, films, music, and books.

<https://apstudents.collegeboard.org/courses/ap-spanish-language-and-culture>

AP Spanish Literature and Culture (0708410 - Y)

Build your language skills and cultural knowledge by exploring works of literature written in Spanish. Using Spanish, you'll read, analyze, discuss, and write about works by Spanish, Latin-American, and U.S. Hispanic authors of different periods.

<https://apstudents.collegeboard.org/courses/ap-spanish-literature-and-culture>

MYP French I/II/III (0701870/80/90 - Y)

The study of languages provides students with the opportunity to develop insights into the features, processes and craft of language and the concept of culture, and to realize that there are diverse ways of living, viewing and behaving in the world. The ability to communicate in a variety of modes, in more than one language, is essential to the concept of an international education.

http://www.ibo.org/globalassets/digital-toolkit/brochures/myp-brief_language-acquisition_2015.pdf

AP French Language and Culture (0701380 - Y)

Develop your French language skills and learn about the cultures in French-speaking parts of the world. You'll practice communicating in French and study real-life materials such as newspaper articles, films, music, and books.

<https://apstudents.collegeboard.org/courses/ap-french-language-and-culture>

International Baccalaureate Diploma Programme (IBDP)

IBDP Curriculum Design and Overview

The IBDP curriculum is comprised of the DP core and six subject groups. The DP core consists of Theory of Knowledge, the extended essay, and creativity, activity, service.

Students choose courses from the following subject groups: Studies in language and literature; language acquisition; individuals and societies; sciences; mathematics; and the arts. Students may opt to study an additional science, individuals and societies, or language course, instead of a course in the arts.

Students will take some subjects at higher level (HL) and some at standard level (SL). HL and SL courses differ in scope but are measured according to the same grade descriptors, with students expected to demonstrate a greater body of knowledge, understanding and skills at higher level. Each student takes at least three (but not more than four) subjects at higher level, and the remaining at standard level. Standard level subjects are comprised of 150 teaching hours. Higher-level subjects are comprised of 240 teaching hours.

***All Suncoast DP students take English and History at the higher level.**

Group 1: Studies in Language and Literature			
Junior Year		Senior Year	
1001820	IB English Literature III*	1001830	IB English Literature IV* (HL)
0708410	AP Spanish Literature	0708896	IB Spanish Language & Literature II (SL) Bilingual Diploma students only
0708895	IB Spanish A Language & Literature I	0708897	IB Spanish Language & Literature III (HL) Bilingual Diploma students only
Group 2: Language Acquisition			
0708825	IB Spanish III	0708840	IB Spanish V (SL)
0708400	AP Spanish Language		
0708410	AP Spanish Literature	0708865	IB Spanish VI (HL)
0701825	IB French III	0701840	IB French V (SL)
0701380	AP French Language		
0701865			IB French VI (HL)
Group 3: Individuals and Societies			
2100800	IB History of the Americas*	2109805	IB Contemporary History II* (HL)
2107800	IB Psychology I	2107810	IB Psychology II (SL)
		2107820	IB Psychology III (HL)
2102820	IB Economics II (SL)	Tested out of G6 in junior year	
2102810	IB Economics I	2102830	IB Economics III (HL)
2001375	IB Environmental Systems/Soc II (SL)	Tested out of G6 junior year	
Group 4: Sciences			
2000810	IB Biology II (SL)	Tested out of G4 junior year	
2000805	IB Biology I	2000820	IB Biology III (HL)
2003805	IB Chemistry I	2003810	IB Chemistry II (SL)
2001375	IB Environmental Systems/Soc II (SL)	Tested out of G4 junior year	
2003422	AP Physics II (IB)	2003850	IB Physics III (HL)
2003430	AP Physics C (MSE/IB)		
0200800	IB Computer Studies I (CS/IB)	0200820	IB Computer Studies III (HL)
Group 5: Mathematics			
IB Math: Applications & Interpretations I		IB Math: Applications & Interpretations II (SL)	
IB Math: Analysis & Approaches I		IB Calculus: Analysis & Approaches II (SL)	
IB Math: Analysis & Approaches II (SL)		Tested out of G5 junior year	
MAC2312	DE Calculus II/III (Math SL)	Tested out of G5 junior year	
MAC2313	(MSE/IB; CS/IB)		
IB Math: Analysis and Approaches II (CS/IB)		MAS2103 MAD2104	DE Linear Algebra / Discrete Math (Math HL)
MAC2312	DE Calculus II/III	MAP2302	DE Differential Equations I/Linear Algebra
MAC2313	(MSE/IB; CS/IB)	MAS2103	(Math HL)
GROUP 6: Arts (or use a second exam from groups 2 – 4).			
0400810	IB Theatre I	0400820	IB Theatre II (SL)
		0400830	IB Theatre III (HL)
0114815	IB Visual Arts I	0114825	IB Visual Arts II (SL)
		0114835	IB Visual Arts III (HL)
1300816	IB Music I	1300818	IB Music II (SL)
		1300820	IB Music III (HL)

All DP subject briefs can be found at: <http://www.ibo.org/university-admission/ib-recognition-resources-and-document-library/>

IBDP Group 1: Studies in Language and Literature*

IB Language A

Suncoast's IBDP requires IB English A: Literature at the Higher Level for the IB Diploma.

IB English III (1001430B - Y) – Taken junior year

This course focuses on reading, analyzing, and writing about imaginative literature from various periods. Students engage in close reading and critical analysis to deepen their understanding of the ways writers use language to provide both meaning and pleasure. Students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. The Works in Translation written assignment and the individual oral presentation satisfy IB course assessment requirements.

IB English Literature IV (1001830 - Y) ♦ Pre-req: IB English III – Taken senior year

This course aims to develop the students' powers of expression and appreciation of literature through the critical analysis of selected literary works. Students practice essay writing, discussion, and oral presentations to improve oral and written fluency. Studies in varied literature will expose students to perspectives that differ from their own, ultimately leading them to a deeper understanding of literature and humanity. The IB Formal Oral Commentary satisfies IB course requirements.

[Language A: Language and literature \(HL\)](#)

IB DP students seeking a Bilingual Diploma, may do so by taking AP Spanish Literature (G11) followed by IB Spanish A: Language & Literature II (G12). Students can also take Spanish A: Language & Literature I and Language & Literature III (HL).

AP Spanish Literature (0708410 - Y) (See previous listing for course description)

This course introduces students to representative texts from Peninsular Spanish, Latin American, and US Hispanic literature. Students develop interpersonal, presentational, and interpretive communication proficiencies that increase their critical reading and analytical writing skills. Literature is examined within the context of its time and place. Included is a strong focus on cultural connections and comparisons, including the exploration of various media such as art, film, and literary criticism.

<https://secure-media.collegeboard.org/digitalServices/pdf/ap/ap-course-overviews/ap-spanish-literature-culture.pdf>

IB Spanish Language and Literature II (0708896 - Y)

This course aims to develop skills of textual analysis and an understanding that texts can relate to culturally determined reading practices. Students are encouraged to question the meaning generated by language and texts, and develop an understanding of the ways in which formal elements are used to create meaning in a text. Core curriculum components include language in cultural context; language and mass communication; literature – texts and contexts; and literature – critical study.

SL: http://www.ibo.org/globalassets/publications/recognition/1_langlit1.pdf

IBDP Group 2: Language Acquisition

IB Language B

The IB Language B classes provide the opportunity for students to acquire or develop an additional language and to promote an understanding of other cultures through the study of language. The courses aim to develop students' intercultural understanding; enable them to understand and use the language studied in a range of contexts for a variety of purposes; encourage appreciation of different cultural perspectives; and provide opportunities for creativity and stimulation through an additional language.

Suncoast offers the following **Language B courses**:

IB Spanish III	(0708825 - Y)	IB French III	(0701825 - Y)
IB Spanish V	(0708840 - Y)	IB French V	(0701840 - Y)
IB Spanish VI	(0708865 - Y)	IB French VI	(0701865 - Y)

IBDP Group 3: Individuals and Societies

IB History of the Americas (2100800 - Y) and **Contemporary History II** (2109805 - Y)

Suncoast's IBDP requires IB History at the Higher Level for the IB Diploma.

The DP world history courses are based on a comparative and multi-perspective approach to history. They involve the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility.

HL: [IB DP Subject Brief - Individuals and societies: History - higher level](#)

IB Psychology

These courses entail the systematic study of behavior and mental processes. They examine the interaction of biological, cognitive and sociocultural influences on human behavior. Students can expect to develop an understanding of how psychological knowledge is generated, developed and applied. This will allow them to have a greater understanding of themselves and appreciate the diversity of human behavior.

IB Psychology I/II (2107800/10 - Y): Core components of study include the biological, cognitive, and sociocultural approaches to understanding behavior, and approaches to researching behavior. Additional topics may include abnormal, developmental, or health psychology; and/or psychology of human relationships. Internal assessment will be based on experimental study.

IB Psychology III (2107820 - Y): This course builds on the previous one and introduces qualitative research in psychology as well as the biological, cognitive, and sociocultural levels of analysis.

SL (Lvl I G11/Lvl II G12) or HL (Lvl I G11/Lvl III G12): [IB DP Subject Brief - Individuals and societies: Psychology](#)

IBDP Group 3: Individuals and Societies Cont.

IB Economics

These courses aim to enable students to develop an understanding of microeconomic and macroeconomic theories and concepts and their real-world application; to develop an appreciation of the impact on individuals and societies of economic interactions between nations; and to develop an awareness of development issues facing nations as they undergo the process of change.

IB Economics I/II (2102810/20 - Y): Core components include microeconomics, macroeconomics, international economics, and development economics.

IB Economics III (2102830 - Y): This course builds on the previous one and introduces the theory of firm and market structure, and terms of trade.

SL (Lvl II G11): <https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/economics-sl-2016-english-final-web.pdf>

HL (Lvl I G11/Lvl III G12): <https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/economics-hl-2016-english-final-web.pdf>

IBDP Group 3 or 4: Individuals and Societies or Sciences

IB Environmental Systems and Societies (ESS)

IB Environmental Systems and Societies II (2001375 - Y)

Core components of study include foundations of environmental systems and societies; ecosystems and ecology; biodiversity and conservation; water and aquatic food production systems and societies; soil systems and terrestrial food production systems and societies; atmospheric systems and societies; climate change and energy production; and human systems and resource use.

<https://www.ibo.org/contentassets/5895a05412144fe890312bad52b17044/envyr-systems-2016-english-final-web.pdf>

IBDP Group 4: Sciences

Students explore the concepts, theories, models and techniques that underpin each subject area and through these develop their understanding of the scientific method. A compulsory project encourages students to appreciate the environmental, social and ethical implications of science. This exercise is collaborative and interdisciplinary and provides an opportunity for students to explore scientific solutions to global questions.

IB Biology

IB Biology I/II (2000805/10 - Y)

Core components of study include cell biology; molecular biology; genetics; ecology; evolution and biodiversity; and human physiology. This course includes a required 40-hour lab component.

IB Biology III (2000820 - Y) ♦ Pre-req: IB Biology I

This course builds on the core components studied in IB Biology I as well as nucleic acids; metabolism, cell respiration, and photosynthesis; plant biology; genetics and evolution; and animal physiology. This course includes a required 60-hour lab component.

SL (Lvl II G11): <https://www.ibo.org/globalassets/publications/recognition/biologysl2016englishw.pdf>

HL (Lvl I G11/Lvl III G12): <https://www.ibo.org/globalassets/publications/recognition/biologyhl2016englishw.pdf>

IB Chemistry

IB Chemistry I (2003805 - Y)

Core components of study include stoichiometric relationships; atomic structure; periodicity; chemical bonding and structure; energetics/thermochemistry; chemical kinetics; equilibrium; acids and bases; redox processes; organic chemistry; and measurement and data processing.

IB Chemistry II (2003810 - Y) ♦ Pre-req: IB Chemistry I

These courses build on the core components studied in IB Chemistry I as well as atomic structure; the periodic table – the transition metals; chemical bonding and structure; energetics/thermochemistry; chemical kinetics; equilibrium; acids and bases, redox processes; organic chemistry; and measurement and analysis.

SL (Lvl I G11/Lvl II G12): <https://www.ibo.org/globalassets/publications/recognition/chemistrysl2016englishw.pdf>

IB Physics ♦ Pre-reqs: AP Physics I and AP Physics II

IB Physics III (2003850 – Y) ♦ Pre-req: AP Physics I and II

Taken in G12, core components of study include measurements and uncertainties; mechanics; thermal physics; waves; electricity and magnetism; circular motion and gravitation; atomic, nuclear, and particle physics; energy production; wave phenomena; fields; electromagnetic induction; and quantum and nuclear physics.

HL: <http://www.ibo.org/globalassets/publications/recognition/physicshl2016englishw.pdf>

IBDP Group 4: Sciences Continued

IB Computer Science ♦ Pre-req: AP Computer Science A (Semester grade of A or B); Highly recommended: Successful completion of Pre-Calculus or Math Analysis & Trigonometry.

These courses require an understanding of the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. The courses draw on a wide spectrum of knowledge, and enables and empowers innovation, exploration and the acquisition of further knowledge. Students study how computer science interacts with and influences cultures, society and how individuals and societies behave, and the ethical issues involved.

IB Computer Studies I (0200820 - Y)

Content builds on previously learned core concepts and introduces abstract data structures; resource management; and control.
HL: https://www.ibo.org/globalassets/publications/recognition/4_computerhl.pdf

IB Computer Studies III (0200820 - Y) ♦ Pre-req: IB Computer Studies I

Content builds on previously learned core concepts and introduces abstract data structures; resource management; and control.
HL: https://www.ibo.org/globalassets/publications/recognition/4_computerhl.pdf

IBDP Group 5: Mathematics

There are two new subjects in IB Mathematics designed to appeal to students with varying levels of ability and motivation in mathematics, but will be developing their mathematics fluency, their ability to think mathematically, to recognize mathematics around them and to be able to use their mathematics in either abstract or contextual settings.

Mathematics: Applications and Interpretation: These courses are designed for students who enjoy describing the real world and solving practical problems using mathematics; those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics.

Mathematics: Analysis and Approaches: These courses are intended for students who wish to pursue post-secondary studies in mathematics or subjects that have a large mathematical content; it is for students who enjoy developing mathematical arguments, problem solving and exploring real and abstract applications, with and without technology.

NOTES:

- ☆ Students enrolled in Algebra II in G10, will take IB Mathematics: Applications and Interpretations I in G11 and IB Mathematics: Applications and Interpretations II in G12.
 - ☆ Students enrolled in Trigonometry and Math Analysis in G10, will take IB Mathematics: Analysis and Approaches II in G11 and can take IB Mathematics: Analysis and Approaches III in G12 (HL).
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Track 1: Mathematics: Applications and Interpretation – Standard Level

1. [IB Mathematics: Applications and Interpretations I and II](#) ♦ Pre-req: Algebra II

A two-year sequence with emphasis on modeling and statistics, and developing strong skills in applying mathematics to the real world. This course is designed for students interested in social sciences, natural sciences, medicine, statistics, business, engineering, economics, psychology, and design. Topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. (*Underlined topics reflect main areas of focus.*)

Track 2: IB Mathematics: Analysis and Approaches – SL or HL

1. [IB Mathematics: Analysis and Approaches II and III](#) ♦ Pre-req: MYP Algebra II

Emphasis on algebraic methods, and developing strong skills in mathematical thinking for real and abstract mathematical problem solving. This course is designed for students interested in mathematics, engineering, physical sciences, and economics. Topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. (*Underlined topics reflect main areas of focus.*)

2. [IB Mathematics: Analysis and Approaches II](#) ♦ Pre-req: IB Mathematics: Analysis and Approaches I

Emphasis on algebraic methods and developing strong skills in mathematical thinking for real and abstract mathematical problem solving. This course is designed for students interested in mathematics, engineering, physical sciences, and economics. Topics include numbers and algebra, functions, geometry and trigonometry, statistics and probability, and calculus. (*Underlined topics reflect main areas of focus.*)

Track 3: Mathematics – Higher Level (MSE/IB students)

1. (A) **Dual Enrollment Differential Equations/Linear Algebra** (MAS2103/MAP2302 – Y)

Differential Equations I: Topics include ordinary differential equations, the Laplace transform, differential operators, systems of equations, orthogonal trajectories, electric networks, and inverse transforms.

<http://www.palmbeachstate.edu/catalog/current/courses/MAP/MAP2302.aspx>

Linear Algebra: Topics include vectors and vector spaces, linear transformations and matrices, rank and determinants, systems of linear equations, diagonalization, and characteristic values.

<http://www.palmbeachstate.edu/catalog/current/courses/MAS/MAS2103.aspx>

IBDP Group 6: Arts

The subjects in the arts allow a high degree of adaptability to different cultural contexts. They emphasize creativity in the context of disciplined, practical research into the relevant genres. In addition, they are designed to foster critical, reflective and informed practice, an understanding of the dynamic and changing nature of the arts, exploration of the diversity of arts across time, place and cultures, and confident and competent expression.

IB Theatre

The theatre courses enable students to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre.

IB Theatre I (0400810 – Y)

Students will explore theatre in a variety of contexts and understand how these contexts inform practice; understand and engage in the processes of transforming ideas into action; and develop and apply theatre production, presentation and performance skills, working both independently and collaboratively.

IB Theatre II/III (0400820/30 – Y)

Content builds on previously learned core concepts and pursue the goal of understanding and appreciating the relationship between theory and practice (theatre in context, theatre processes, presenting theatre.)

SL (LVI I G11/LVI II G12): <https://www.ibo.org/globalassets/publications/recognition/theatresl2016englishw.pdf>

HL (LVI I G11/LVI III G12): <https://www.ibo.org/globalassets/publications/recognition/theatrehl2016englishw.pdf>

IB Music

Students develop their knowledge and potential as musicians, both personally and collaboratively. Involving aspects of the composition, performance and critical analysis of music, the course exposes students to forms, styles and functions of music from a wide range of historical and socio-cultural contexts. Students create, participate in, and reflect upon music from their own background and those of others. They develop practical and communicative skills that provide them with the opportunity to engage in music for further study, as well as for lifetime enjoyment.

IB Music I (1300816 – Y)

Students study musical perception (study, analysis, and examination, comparing and contrasting of musical cultures) as well as one of the following three options: creating, solo performing, or group performing.

IB Music II/III (1300818/20 – Y)

Content builds on previously learned core concepts and requires students to present both creating and solo performing.

SL (LVI I G11/LVI II G12): <https://www.ibo.org/globalassets/publications/recognition/music-brief-sl-en.pdf>

HL (LVI I G11/LVI III G12): <https://www.ibo.org/globalassets/publications/recognition/music-brief-hl-en.pdf>

IB Visual Arts

Visual arts courses encourage students to challenge their creative and cultural expectations and boundaries. Students develop analytical skills in problem-solving and divergent thinking, while working toward technical proficiency and confidence. Students will engage in, experiment with and critically reflect upon a wide range of contemporary practices and media.

IB Visual Arts I (0114815 – Y)

Students will make artwork that is influenced by personal and cultural contexts, become informed and critical observers and makers of visual culture and media, and develop skills, techniques and processes in order to communicate concepts and ideas.

IB Visual Arts II/III (0114825/35 – Y)

Content builds on previously learned core concepts and requires students to increase the number of pieces in their comparative study as well include analysis of the extent to which their own work and practices have been influenced by the art and artists examined. They will also add to their process portfolio work that evidences sustained experimentation, exploration, and manipulation and refinement of a variety of art-making activities.

SL (LVI I G11/LVI II G12): <https://www.ibo.org/globalassets/publications/recognition/visualartssl2016englishw.pdf>

HL (LVI I G11/LVI III G12): <https://www.ibo.org/globalassets/publications/recognition/visualartshl2016englishw.pdf>

IBDP and IBCP Curriculum and Core

For a detailed description of the IBDP curriculum and core components, please see: [IB DP Curriculum and Core Components](#)

For a detailed description of the IBCP core components, please see: [IB CP Core Components](#)

Theory of Knowledge (TOK) I/II (0900800/0900810 - S)

IBDP students take TOK I second semester of their junior year and TOK II first semester of their senior year. These courses are about critical thinking and inquiring into the process of knowing, rather than about learning a specific body of knowledge.

https://www.ibo.org/globalassets/publications/recognition/core_tok.pdf

Personal and Professional Skills I/II (1700800/10 - Y)

All IBCP students take Personal and Professional Skills I and II. These courses are designed for students to develop attitudes, skills, and strategies to be applied to personal and professional situations and contexts now and in the future. Emphasis is on skills development for the workplace, as these are transferable and can be applied in a range of situations.

<https://www.ibo.org/globalassets/digital-toolkit/flyers-and-artworks/cp-core-en.pdf>
