

# PALMETTO HIGH SCHOOL CURRICULUM GUIDE



## PALMETTO HIGH SCHOOL



"Home of the Tigers"

1200 17th Street West Palmetto, FL 34221

> Phone 941-723-4848 FAX 941-723-4952

Dear Students and Parents,

Welcome to Palmetto High School! As you embark on the next phase of your academic journey, our faculty and staff are committed to supporting you every step of the way. At Palmetto High, we believe that a strong understanding of your academic pathway is key to achieving success and unlocking your full potential. This curriculum guide is designed to provide the resources you and your parents need to navigate the exciting opportunities ahead.

Within this guide, you will find essential information about high school graduation requirements, college entrance expectations, scholarship opportunities, and detailed descriptions of the more than 200 courses we offer. Choosing the right courses is a critical step in building your academic foundation. We encourage you to consult with your teachers, school counselors, and family to make informed decisions that align with your interests, goals, and future aspirations. The choices you make now will not only shape your high school experience but also open doors to future career paths and postsecondary opportunities. By taking advantage of the resources in this guide, you can ensure you are selecting a challenging and rewarding academic pathway that positions you for success.

Beyond academics, Palmetto High School offers a variety of extracurricular activities, clubs, sports, and enrichment opportunities to help you grow and thrive. Balancing academics with extracurricular involvement is an excellent way to maximize your high school experience, build lasting relationships, and develop important skills.

We encourage you to take the time to explore this guide thoroughly, ask questions, and make decisions that set you on a path to success. Remember, you are not alone in this process. Our dedicated team is here to guide and support you as you plan for a bright future.

Best of luck in your academic journey, and as always, GO TIGERS!

Sincerely,

Monica S. DeLesline

Principal

## **Table of Contents**

ADVANCED STUDY OPTIONS	3
GRADUATION REQUIREMENTS	4
BRIGHT FUTURES SCHOLARSHIP PROGRAM	5
CAMBRIDGE AICE PLANNING SHEET	6
THE AICE DIPLOMA	7
SAMPLE REGISTRATION FORMS	8
ENGLISH LANGUAGE ARTS	10
MATHEMATICS	11
SCIENCE	13
SOCIAL SCIENCE	14
WORLD LANGUAGE	17
AGRICULTURE	19
ART	
BIOMEDICAL SCIENCE	20
BUILDING CONSTRUCTION TECHNOLOGY	21
BUSINESS	21
ENGINEERING TECHNOLOGY	
HEALTH SCIENCE	
JROTC	
MUSIC	24
OJT	
PHYSICAL EDUCATION & DRIVER EDUCATION	
THEATRE	
TV PRODUCTION	
SUPPORTED CURRICULUM	
YEARBOOK	29
DIAL ENDOLLMENT	20

#### **Registration Guidelines**

- 1. Take the curriculum guide home and discuss course selections with your parents or guardians.
- 2. Write down any questions you have for your teachers and counselor.
- 3. Study the courses in the curriculum guide and review possible choices.
- 4. Complete the top portion of your request form with your proper name, phone number, and email address.
- 5. Pay close attention to course requirements outlined in the curriculum guide as you select your courses. This includes both subject area and elective courses. Any courses marked with an asterisk (\*) require an application.
- 6. If you do not meet the prerequisite for the core classes in which you would like to enroll, you may request an academic course override with your counselor. Both you and your parent/guardian must attend the override meeting.
- 7. Clearly indicate your elective choices by ranking them in priority order. Every effort is made to give you your top choices; however, if there is a scheduling conflict, alternate course selections must be made. If you do not choose alternate courses, one or more will be selected for you and will not be changed later.
- 8. Ensure that you sign your request form. You will receive a copy of your form for your records.
- 9. Turn in your completed request form on or before the deadline to the designated person at school.

#### **Course Cancellation**

Palmetto High School reserves the right to drop any course due to insufficient enrollment.

#### **Educational Fees**

In some courses, there may be occasional requests for fees to provide educational enhancement. No student shall be denied the opportunity to participate fully in these classes because of an inability to pay. In such circumstances, please notify the teacher.

#### **Change of Schedule**

The registration process and the development of student schedules takes place in the spring at which time faculty and staff counsel students. The process includes input from students, parents, teachers, counselors, and administrators. The school's master schedule is built, and new staff is hired, based on registration requests. Students are expected to honor their commitments and to attend and complete the courses for which they register during the registration period. Therefore, schedule change requests will only be considered for the following reasons:

- · The student has already earned credit for the course.
- The student has failed to meet the prerequisite for the course.
- The student is scheduled for too many or not enough courses.
- There was a clerical error.

#### **Grading Scale**

The following is the current grading system for the School District of Manatee County for grades 9-12:

Letter	Numerical
А	90 -100
В	80 - 89
С	70 - 79
D	60 - 69
F	0 - 59

Students receive both a letter grade and a numerical percentage for each nine-week grading period, for the semester examination, and for the final semester grade. The final semester grade is the only grade that will appear on the transcript. Report cards will be published in FOCUS four times each school year at the end of each nine-week grading period. Progress reports will be published in FOCUS at the midpoint of each grading period. Parents may access grades at any time through FOCUS.

The semester grade for most courses is calculated using the following percentages:

Quarter 1 = 40% Quarter 3 = 40%

Quarter 2 = 40% Quarter 4 = 40%

Semester Exam = 20% Semester Exam = 20%

The Algebra I, Geometry, U.S. History, and Biology EOCs will constitute 30% of the final course grade. The semester grade is calculated using the following percentages:

Quarter 1 = 35% Quarter 3 = 35% Quarter 2 = 35% Quarter 4 = 35% EOC = 30% EOC = 30%

#### **Weighted Courses**

Unweighted Grade Points	Weighted Honors	Advanced Studies*	
A=4	A=4.5	A=5	
B=3	B=3.5	B=4	
C=2	C=2.5	C=3	
D=1 D=1.5 D=2			
*AICE, AP, or College Dual Enrollment Course			

When evaluating student transcripts for admissions, most colleges and universities recalculate a student's GPA using grades from English, Math, Science, Social Studies, Academic Electives, and World Language. Additionally, the weight given to Honors, Advanced Placement, and Dual Enrollment courses may be different than the weight the School District of Manatee County uses in calculating GPAs.

#### **National Honor Society**

The National Honor Society (NHS) is a national academic honor organization. The Palmetto High School Faculty Council selects students eligible for membership. Students are selected as second semester sophomores or juniors. The basis for selection includes a 3.5 or higher cumulative unweighted grade point average, community service, character, and leadership. A student's participation in other school organizations is also considered in the selection process. For more information, contact the faculty sponsor.

#### **Honor Roll**

Honor Roll is recognition given to students each quarter who achieve a weighted GPA of 3.4 or higher.

#### Florida Virtual School (FLVS)

Students have the opportunity to earn credit each school year through Florida Virtual School. Students should be self-motivated and task-oriented to successfully complete the coursework. Visit the website at <a href="https://www.flvs.net">www.flvs.net</a> for course and enrollment information. Once the student creates an FLVS account and requests a course, approval from the high school counselor is required to complete the registration process. Students must notify the school counselor that a course is awaiting approval.

#### Manatee Virtual School (MVS)

Manatee Virtual School is available for full-time K-12 students who attend a Manatee County school. MVS is a franchise of the Florida Virtual School and utilizes the FLVS curriculum with Manatee County teachers trained to instruct and monitor the virtual courses. MVS can be used for credit recovery, acceleration, or scheduling conflicts. For more information, please visit the MVS website at <a href="https://www.manateeschools.net/page/6022">www.manateeschools.net/page/6022</a>, ask your counselor, or call 941-708-4971.

#### National Collegiate Athletic Association (NCAA)

The initial eligibility standards for the college-bound student athlete are different from general graduation requirements and can be significantly tougher. Please refer to the <a href="NCAA website">NCAA website</a> for more information or contact the Athletic Director if you are considering playing athletics at the collegiate level.

#### SAT and ACT

The SAT (Scholastic Assessment Test) and ACT (American College Testing) are standardized tests widely used for college admissions in the United States. Both assess a student's readiness for higher education by evaluating knowledge and skills in areas such as mathematics, reading, and writing. Colleges often consider SAT or ACT scores as part of the admission process, and students can choose to take either exam based on their preferences and the requirements of the institutions. A qualifying score on the ACT/SAT can be used as a concordant score to meet the graduation requirement for the state assessments.

#### **PSAT/NMSQT**

The PSAT, or Preliminary SAT, is a standardized test designed as a practice exam for the SAT. It serves as a precursor to the official SAT and helps students prepare for the format and content of the full test. The PSAT also qualifies students in 11<sup>th</sup> grade for the National Merit Scholarship Qualifying Test (NMSQT) Program providing an opportunity for recognition and potential scholarships based on their performance. Every October the PSAT is offered, and all grades 9-11 students are encouraged to participate. There may be a fee associated with the test depending on the grade level of the student. A qualifying score on the math portion of the PSAT can be used as a concordant score for the Algebra 1 EOC.

#### Manatee Technical College (MTC)

Manatee Technical College offers technical training to qualified high school juniors and seniors who have expressed an interest in obtaining a technical skill and have the ability and maturity to benefit from training. While enrolled at MTC, students earn elective credits toward high school graduation. Tuition and most fees are waived. To view a list of current programs, visit <a href="https://www.manateetech.edu">www.manateetech.edu</a>. Students interested in attending MTC must be at least 16 years old and be on track for graduation by having at least 11 credits, a 2.0 GPA, and met the required assessments for graduation. They must have a satisfactory score on the entrance exam and submit a completed application to their high school counselor prior to the published deadlines.

## **ADVANCED STUDY OPTIONS**

Cambridge AICE

The Cambridge Pathway prepares students for life – helping them to develop an informed curiosity and lasting passion for learning. Cambridge International helps students become confident, responsible, reflective, innovative, and engaged. They will be ready to tackle the demands of tomorrow's world, capable of shaping a better world for the future. The Advanced International Certificate of Education (AICE) curriculum has been designed to cater to academically abled students. Courses are designed to encourage students to develop an independent approach to their work.

#### **Dual Enrollment (DE)**

Dual enrollment courses are college level courses for which a student may earn both college credit and high school credit. GPA and test scores are required and vary per university. Students need to keep in mind that by enrolling in a dual enrollment course, they are establishing their college GPA. The grade earned in the course becomes a permanent part of their college transcript. Universities will consider a student's college GPA when making admission decisions. Students will need to meet with their high school counselor to complete all required paperwork prior to the published deadlines.

#### University of South Florida – Sarasota/Manatee (USFSM)

Please complete the following steps that are specific to dual enrollment courses taken through USFSM.

- 1. Verify eligibility requirements.
- 2. Register to take ACT, SAT, or PERT (see your school counselor for PERT testing dates if you do not have qualifying test scores). Test scores must be accessible to USFSM by the application deadline.
- 3. Meet with your high school counselor before completing the online application, the high school Dual Enrollment Approval Form, AND the Early College/Dual Enrollment Contract.

  4. Complete USFSM immunization form by application deadline.
- 5. Enroll in a full (7 credit) schedule of combined high school and early college classes. Students participating in their initial semester in the DE program may not take more than two USFSM courses during the semester.
- 6. Be academically motivated to accept the challenge of college level work.

If a student earns a W, C-, D or F in any course as designated on the USFSM transcript or does not maintain a 2.0 college GPA, then the student will not be eligible for dual enrollment the subsequent fall or spring semester. Students wishing to enroll in dual enrollment courses must have all applications, approval forms, and placement testing completed by the USFSM deadlines.

USFSM will not accept any applications, test scores or approval forms after these dates. Interested students need to contact their high school counselor well before these dates to ensure that deadlines are met. For additional information about the dual enrollment program, visit www.usf.edu/early-university-programs.

\*Criteria for USFSM Dual Enrollment is subject to change.

#### State College of Florida (SCF)

Please complete the following steps that are specific to dual enrollment courses taken through SCF.

- 1. Verify eligibility requirements.
- 2. Register to take ACT, SAT, or PERT (see your school counselor for PERT testing dates if you do not have qualifying test scores). Test scores must be accessible to SCF by the application deadline.
- 3. Meet with your high school counselor before completing the online application, the high school Dual Enrollment Approval Form, AND the Early College/Dual Enrollment Contract.
  4. Enroll in a full (7 credit) schedule of combined high school and early college classes.
- 5. Be academically motivated to accept the challenge of college level work.

If a student earns a W, D or F in any course as designated on the SCF transcript or does not maintain a 2.0 SCF GPA, then the student will not be eligible for dual enrollment the subsequent fall or spring semester. Students wishing to enroll in dual enrollment courses must have all applications, approval forms, and placement testing completed by the SCF deadlines.

SCF will not accept any applications, test scores or approval forms after these dates. Interested students need to contact their high school counselor well before these dates to ensure that deadlines are met. For additional information about the dual enrollment program, visit scf.edu/studentservices/registrar/earlycollege/default.asp.

\*Criteria for SCF Dual Enrollment is subject to change

#### Advanced Placement (AP)

Advanced Placement (AP) is the enrollment of an eligible student in a course offered by the Advanced Placement Program administered by the Collége Board. Postsecondary credit for an AP course may be awarded to students who score a minimum of 3 on a 5-point scale on the corresponding AP exam in accordance with the policies of the receiving college or university. Students shall be exempt from the payment of any fees for AP courses in which they are enrolled, including fees for administration of the AP examination, regardless of whether the student achieves a passing score. Students requesting to take AP exams for courses they are not currently enrolled must pay for the cost of the AP exam.

## **GRADUATION REQUIREMENTS**

To earn a standard diploma in Manatee County, a student must meet specific academic requirements that are set forth by the State of Florida. It is advised that students and parents review the chart to be certain that they are clear on what is necessary for a student to successfully earn a high school diploma.

Required state assessments can also be met with the scores below.				
Grade 10 ELA Concordant Scores				
ACT English and Reading subtests (averaged)	18			
CLT Verbal Reasoning and Grammar/Writing sections sum	36			
SAT EBRW/RW2	480			
Algebra 1 EOC Concordant Scores				
ACT Math	16			
CLT Quantitative Reasoning	11			
Geometry EOC	Level 3			
PSAT/NMSQT Math	430			
SAT Math	420			

## **BRIGHT FUTURES SCHOLARSHIP PROGRAM**

The Florida Bright Futures Scholarship program consists of three scholarships funded through lottery dollars and awarded to eligible Florida high school graduates planning to continue their education at any eligible Florida post-secondary institution. Current eligibility requirements are listed below. For the most current information on the program, visit the Bright Futures website at: <a href="https://www.floridastudentfinancialaidsg.org">www.floridastudentfinancialaidsg.org</a>.

ruures website at. <u>www.iioridastuderitiiriaricialalusg.org</u> .					
Scholarship Name	Florida Academic Scholars Award (FAS)	Florida Medallion Scholars Award (FMS)	Florida Gold Seal Vocational Award (GSV)		
Grade Point Average (GPA)	3.5 weighted GPA using the credits listed below	3.0 weighted GPA using the credits listed below	3.0 weighted GPA using the 16 core credits required for high school graduation (listed below) and a 3.5 unweighted GPA in a minimum of three vocational credits within one program		
Evaluation for Bright Futures includes an unrounded, weighted high school GPA (calculated to two decimal places) in the 16 college-preparatory credits. The following courses are weighted 0.25 per semester course or 0.50 per year course in the calculation of the GPA: Advanced Placement (AP), Pre-International Baccalaureate (Pre-IB), International Baccalaureate (IB), Honors, Pre-Advanced International Certificate of Education (Pre-AICE), Advanced International Certificate of Education (AICE), or academic Dual Enrollment. For example, whereas an 'A' equals 4 quality points for an un-weighted course, an 'A' would equal 4.5 quality points for a weighted course.					
	Courses must include 16 credits of college preparatory academic courses.	Courses must include 16 credits of college preparatory academic courses.	Courses must include the 16 core credits required for high school graduation.		
Required Credits	4 English 4 Mathematics (Algebra 1 and higher) 3 Natural Science 3 Social Science 2 World Language (in the same language)	4 English 4 Mathematics (Algebra 1 and higher) 3 Natural Science 3 Social Science 2 World Language (in the same language)	<ul> <li>4 English</li> <li>4 Mathematics (including Algebra 1)</li> <li>3 Natural Science</li> <li>3 Social Studies (US History, World History, US Govt. &amp; Econ)</li> <li>1 Fine or Performing Art</li> <li>1 HOPE</li> </ul>		
	16 Credits	16 Credits	16 Credits		
	May use up to two additional credits from courses in the academic areas listed above to raise the GPA	May use up to two additional credits from courses in the academic areas listed above to raise the GPA	Plus, a minimum of three Vocational Job-Preparatory or Technology Education Program credits in one vocational program		
Community Service/ Work Hours	100 hours	75 hours	30 hours		
	Best combined score of 1330 SAT Reasoning Test (Critical Reading & Math sections only)	1190 SAT Reasoning Test (Critical Reading & Math sections only)	PERT: Reading 106 Writing 103 Math 114		
Test Scores	or	or	SAT: Writing 25 Crit Read 24 Math 24		
	Best composite score of 29 ACT (excluding writing section)	Best composite score of 24 ACT (excluding writing section)	ACT: English 17 Reading 19 Math 19		
	or	or	I Water		

Eligibility requirements are subject to change pending legislative action with regard to criteria and funding. For more information, visit the Bright Futures website at <a href="https://www.floridastudentfinancialaid.org/ssfad/bf">www.floridastudentfinancialaid.org/ssfad/bf</a>.

82 on CLT

95 on CLT

## **CAMBRIDGE AICE PLANNING SHEET**

## **Cambridge AICE Program Planning Sheet - Course Progression Options**

## **Planning Your Schedule**

The AICE Diploma requires passing seven AICE papers within 25 months, with at least one course and exam from each of the three subject groupings, AND Global Perspectives. Students may take as many AICE courses as desired, as long as they meet the requirements.

Freshman Year Schedule:	Sophomore Year Schedule:
AICE General Paper  AP Human Geography  Math (Pre-AICE Math 1, 2, or 3)  Pre-AICE Chemistry or Pre-AICE  Environmental Management  Pre-AICE World Language 1, 2, or 3  HOPE  Elective	AICE English Language ASAICE European HistoryMath (Pre-AICE Math 2 or 3, or AICE
Total AICE Courses/Credits:	Total AICE Courses/Credits:
Junior Year Schedule:	Senior Year Schedule:
AICE English Language 2 AL AICE US History Math (Pre-AICE Math 3, AICE	AICE English LiteratureAP US Govt/AP EconomicsMath (AICE Mathematics 1 or 2 or AP Calc BC)Science (AICE Biology, AICE Chemistry, AICE Environmental, AICE Marine, or AICE Physics)Per. Finance and Money Mgmt H/AICE World LanguageORAICE Elective(s)Elective(s)
Total AICE Courses/Credits:	Total AICE Courses/Credits:

## THE AICE DIPLOMA

The AICE Diploma requires passing exams in at least seven courses, one of which must be Global Perspectives. The students must pass at least one exam in each of the Groups 1-3, listed below. The final three courses required to earn an AICE diploma can be selected from any subject area. Each Cambridge AS Level Exam counts as one full credit.

The Cambridge courses listed below are currently offered at Palmetto High School.

Group 1: Math & Science	Group 2 Languages	Group 3 Arts & Humanities	Group 4 Interdisciplinar y& Skills- based (optional)	Core
Biology Chemistry Environmental Mgt. Marine Science Mathematics Physical Education Physics Psychology	English Language Spanish Language Spanish Lang. & Lit.	Art & Design English Literature Environmental Mgt. European History Music Physical Education Psychology Spanish Lang. & Lit. Travel & Tourism US History	General Paper Thinking Skills	Global Perspectives

If you are interested in applying to the AICE program, the application is available on the PHS website. To be accepted, students must meet the following criteria:

- · Level 3 or higher on state assessments
- No attendance or discipline issues
- · Complete an application, which includes signing the Honor Code

For more information about the Cambridge AICE Program, please contact the AICE Coordinator.

Once accepted into the program, an Advanced Studies Contract must be signed every year to ensure that you understand the expectations of the AICE courses.

If you earn an AICE Diploma, accumulate at least 100 hours of community service or work hours, and apply for the Bright Futures Scholarship, you will be awarded the Florida Academic Scholars Award.



## Palmetto High School

9<sup>th</sup> Grade Requests 2025-2026

Academic Classes - Please select one course from each subject area.

Student Name:	
Middle School:	
Student Cell Phone:	
Parent Cell Phone:	

SAMPLE REGISTRATION FORMS

English	Math	Science	Social Studies	HOPE
English 1  AICE General Paper ESOL English 1	Algebra 1A Algebra 1 Pre-AICE Math 1 Geometry Pre-AICE Math 2 Pre-AICE Math 3	Environmental Science Pre-AICE Chemistry Pre-AICE Environmental Science	US Government/ Critical Thinking AP Human Geography	I plan to complete the HOPE requirement by:  HOPE at PHS Taking on FLVS 2 years of JROTC 2 years of a sport:

Electives – Please select a course as your #1 choice. This is the elective class that you want the most. Then, select additional elective courses by numbering 2 through 6, in order of your preference. If selections are not made, PHS will make the choices for you and the classes will not be changed.

Beginning Band	2-D Studio Art	Agriculture Foundations	AP Computer Science**
Band 1	Commercial Art Tech 1	Animal Science 2*	Applied Engineering**
Beginning Orchestra	Construction 1	Intro to Horticulture*	French 1**
Orchestra 1	Health Science A & P		Pre-AICE Spanish 1**
Chorus 1	JROTC 1	*Must have taken Agriculture	Pre-AICE Spanish 2**
Guitar 1	Digital Design 1	Foundations in middle school.	Principles of Biomed**
Keyboard 1	Marketing		
Musical Theatre 1	TV Production 1		**These choices are dependent upon
Theatre 1			test scores and availability.
chosen based on the course reque	sts of the students.	erials are ordered and teachers are  I understand once my schedule is	OFFICE USE ONLY:  Reading Score
made, it is in not be changed.			
Student Signature			Math Score



## Palmetto High School

10<sup>th</sup> – 12<sup>th</sup> Grade Requests

2025-2026

Academic Classes - Please select one course from each subject area.

Student Name:
Current Grade:
Student Cell Phone:
Parent Cell Phone:

				1
English	Math	Science	Social Studies	AICE/AP Electives
English 2	Algebra 1B	Marine Science	World History	AICE Art & Design
ESOL English 2	Math for Data and Fin Lit	Biology	AICE European History	AICE Global Perspectives
English 3	Geometry	Pre-AICE Biology	US History	AICE Music
ESOL English 3	Pre-AICE Math 2	Chemistry	AICE US History	AICE Physical Education
English 4	Math for Coll Lib Arts	Pre-AICE Chemistry	American History 1/2	AICE Psychology
ESOL English 4	Algebra 2	Forensic Science	(AMH 1010/1020)	AICE Thinking Skills
AICE General Paper	Pre-AICE Math 3	Anat. & Physiology Hon	US Govt/Crit Think (11)	AICE Travel/Tourism
AICE English Lang 1 AS	Math for College Algebra	Physics I Honors	US Govt/Econ (12)	AICE Spanish Lang
AICE English Lang 2 A	Precalculus Honors	AICE Biology	AP Govt/ AP Econ (12)	AICE Spanish Lang & Lit
AICE English Literature	Probability and Stat Hon	AICE Chemistry		AP Art History
Written Comm 1/2	AICE Math 1	AICE Environmental Sci		AP Computer Science
(ENC 1101/1102)	AICE Math 2	AICE Marine Science		AP Spanish
	AP Calculus BC	AICE Physics		
	College Algebra/Statistics			If you are choosing any of
	(MAC 1105/STA 2023)			these classes, please include
				them in the elective section
				below.

Electives - Please list in order of your preference. If selections are not made, PHS will make the choices for you and the classes will not be changed.

1.	2.	3.
4.	5.	6.

Please be sure you have chosen courses you would like to take. Materials are ordered and teachers are chosen	OFFICE USE ONLY:
based on the course requests of the students.	
I have reviewed my course selections with my parents and teachers. I understand once my schedule is made, it will not be changed.	Reading Score
Student Signature	Math Score
Parent Signature	

## **English Language Arts**

#### **English 1 1001310**

Grade 9

The purpose of this course is to prepare students for college readiness and career preparation using texts of high complexity and instruction in reading, writing, speaking, listening, and language skills.

#### **English 2 1001340**

Grade 10

The purpose of this course is to prepare students for college readiness and career preparation using texts of high complexity and instruction in reading, writing, speaking, listening, and language skills.

#### English 3 1001370

Grade 11

The purpose of this course is to prepare students for college readiness and career preparation using texts of high complexity and instruction in reading, writing, speaking, listening, and language skills.

#### English 4: Florida College Prep 1001405

Grade 12

This course incorporates reading and writing through the study of a variety of informative texts using grade level writing craft. Students will, through the in depth reading and analysis of informational selections, develop critical reading and writing skills necessary for success in college courses. The benchmarks assessed in this course reflect the Florida Postsecondary Readiness Competencies necessary for entry-level college courses.

#### **AICE General Paper 1009400**

Grades 9-12

The purpose of this course is to encourage students to make cross-curricular links to develop a maturity of thought appropriate to students at this level and to achieve an understanding and usage of the English language. These skills enable them to express arguments, ideas, and opinions in a reflective and academic manner. An awareness of the wider implications of issues will enhance the quality of students' responses to the questions. General Paper is not a test of general knowledge. The key objective is for students to convey information and/or opinions in a way that is thoughtful, perceptive, and intelligible to the reader. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### AICE English Language AS Level 1001550

Grades 10-12

The purpose of this course is to provide students with an understanding of the semantic, structural, and resources of the English language as they relate to the principles of effective writing. The course provides a variety of writing opportunities calling for the use of different styles and tones. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: C or higher in AICE General Paper

#### AICE English Language 2 A Level 1001551

Grades 11-12

This is a continuation of the AICE English Language AS course. The purpose of this course is to enable students to communicate accurately, appropriately, and effectively in speech and writing. Students will also be able to understand and respond appropriately to what they hear, read, and experience. The course also provides a variety of writing opportunities calling for the use of different styles and tones. Students take the AICE Exam for an opportunity to earn college credit. **Prerequisite:** C or higher in AICE English Language AS Level

## AICE English Literature AS Level 1005370

Grade 12

The purpose of this course is to engage students in the careful reading and critical analysis of imaginative literature of various styles, genres, and periods, thus developing independent critical competency in the study of literature. This course fosters a high level of achievement in reading, writing, and speaking. Students will also acquire an understanding of the resources of the language and of the writer's craft. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: C or higher in AICE English Language 2 A Level

English 1 through ESOL 1002300 Grade 9 English 2 through ESOL 1002310 Grade 10

English 3 through ESOL 1002320 Grade 11

English 4 through ESOL 1002520 Grade 12

These courses provide instruction to speakers whose first language is not English. The goal of these courses is the acquisition of the English communication skills needed for success in an academic setting. Emphasis is on literature, writing skills, and English grammar. These courses meet graduation requirements for English 1 through 4.

#### **Developmental Language Arts through ESOL 1002380**

Grades 9-12

This course provides daily instruction to native speakers of a language other than English in developmental language arts skills, including reading, writing, listening, & speaking. The goal is to obtain more integrated English communication skills.

Intensive Reading 1 1000412 Grade 9 Intensive Reading 2 1000414 Grade 10 Intensive Reading 3 1000416 Grade 11 Intensive Reading 4 1000418 Grade 12

The goal of these courses is to provide remedial instruction and practice in reading skills to improve students' reading comprehension. It is mandatory for all students who are two years or more non-proficient on the Florida State Assessment.

## **Mathematics**

#### Algebra 1A 1200370

Grade 9

This course examines the entire array of algebraic functions including variables, algebraic thinking, inequalities, and linear equations with graphing. This course is primarily for ninth grade students who scored a Level 1 or 2 on the FAST Math Assessment and covers the first half of Algebra 1.

#### Algebra 1B 1200380

Grade 10

This course examines the entire array of algebraic functions including variables, algebraic thinking, equations, inequalities, factoring and polynomials. This course is primarily for tenth grade students and covers the second half of Algebra 1. **EOC Required Course** 

#### Algebra 1 1200310

Grade 9

This course examines the entire array of algebraic functions including variables, algebraic thinking, equations, inequalities, factoring and polynomials. This course is primarily for ninth grade students and is required for graduation.

**EOC Required Course** 

Prerequisite: Level 3 on the FAST Math Assessment

#### Pre-AICE Mathematics 1 IG 1209810

(Algebra 1 Honors equivalent)

Grade 9

This course examines the entire array of algebraic functions including variables, algebraic thinking, equations, inequalities, factoring and polynomials. This course is primarily for ninth grade students and is required for graduation.

**EOC Required Course** 

Prerequisite: Level 4 or higher on the FAST Math Assessment \*\*This is a more rigorous and challenging treatment of Algebra 1 and is intended for students planning to earn the AICE Diploma.

#### Mathematics for Data and Financial Literacy 1200384

Grades 9-12

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

#### **Geometry 1206310**

Grades 9-12

This course builds critical thinking about the discovery of relationships and their proofs and skill in applying deductive method to mathematical situations, reasoning, Euclidean geometry, study of lines, planes, angles, triangles, similarity, congruence, polygons, circles, area and volume, and constructions. This course meets the requirement for graduation. **EOC Required Course** 

#### Pre-AICE Mathematics 2 IG 1209820

(Geometry Honors equivalent)

Grades 9-10

This course builds critical thinking about the discovery of relationships and their proofs and skill in applying deductive method to mathematical situations, reasoning, Euclidean geometry, study of lines, planes, angles, triangles, similarity, congruence, polygons, circles, area and volume, and constructions. This course meets the requirement for graduation.

**EOC Required Course** 

Prerequisites: C or higher in Pre-AICE Mathematics 1 or the equivalent, and a Level 3 or higher on the Algebra 1 EOC \*\*This is a more rigorous and challenging treatment of Geometry and is intended for students planning to earn the AICE Diploma.

#### Mathematics for College Liberal Arts 1207350

Grades 9-12

In this course five areas will be emphasized: (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.

#### Algebra 2 1200330

Grades 9-12

This course continues the study of the structure of algebra and the foundation of applications of these skills to other mathematical and scientific fields and includes review and extension of structure and properties of real number system, relations, functions and graphs, polynomials, rational equations, rational exponents, logarithms, complex numbers, and application problems in most areas.

Prerequisites: Level 3 or higher on the Algebra 1 EOC and the Geometry EOC

#### Pre-AICE Mathematics 3 IG 1209825

(Algebra 2 Honors equivalent)

Grades 9-11

This course continues the study of the structure of algebra and the foundation of applications of these skills to other mathematical and scientific fields and includes review and extension of structure and properties of real number system, relations, functions and graphs, polynomials, rational equations, exponents, logarithms, complex numbers, and application problems in most areas.

Prerequisites: C or higher in Pre-AICE Mathematics 2 or the equivalent, and a Level 3 or higher on the Algebra 1 EOC and the Geometry EOC \*\*This is a more rigorous and challenging treatment of Algebra 2 and is intended for students planning to earn the AICE Diploma.

#### Mathematics for College Algebra 1200710

Grades 10-12

In this course five areas will be emphasized: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions including rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the solutions in real-world contexts; (4) modeling and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions including inverse and composition.

Prerequisite: Algebra 2 or the equivalent

#### **Pre-Calculus Honors 1202340**

Grades 11-12

This course combines pre-calculus and trigonometry. Semester 1 includes algebraic, rational, polynomial exponential and logarithmic functions and equations, and graphing of conic sections. Semester 2 includes plane trigonometry, complex numbers and vectors, polar coordinates, and equations.

Prerequisite: Algebra II

#### **Probability and Statistics with Applications Honors 1210300**

Grade 12

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

Prerequisite: Pre-AICE Mathematics 3 or the equivalent

#### AICE Mathematics and Probability & Statistics 1 AS Level 1202362

Grades 10-12

This course covers Pure Mathematics 1 and Probability and Statistics in the broad area of applications. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: C or higher in Pre-AICE Mathematics 3

#### AICE Mathematics and Probability & Statistics 2 A Level 1202364

Grades 10-12

This course covers Pure Mathematics 2 & 3 and Probability and Statistics 2 in the broad area of applications. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: AICE Mathematics and Probability & Statistics 1 AS Level

#### AP Calculus BC 1202320

Grades 11-12

This course explores the properties of limits, derivatives, and integrals. BC Calculus also includes the properties of sequences and series. Students take the AP test for an opportunity to earn college credit.

Prerequisite: AICE Mathematics and Probability & Statistics 2 A Level

#### **AP Computer Science Principles 0200335**

Grades 9-12

This course introduces you to the foundations of computer science with a focus on how computing powers the world. Along with the fundamentals of computing, you will learn to analyze data, create technology that has a practical impact, and gain a broader understanding of how computer science impacts people and society. Students take the AP test for an opportunity to earn college credit. This course counts as an elective for the Bright Futures Scholarship.

#### Foundational Skills in Mathematics 1200400

Grade 12

This course supports students who need additional instruction in foundational mathematics skills as it relates to core instruction. Seniors who still need to pass the Algebra 1 EOC for graduation are enrolled in this course.

## **Science**

#### **Biology 1 2000310**

Grades 10-11

This course uses the scientific method, scientific measurement, laboratory apparatus and methods to study living organisms. Topics covered include cell biology and reproduction, basic principles of genetics, biological changes through time, classification and taxonomy, microbiology, structure and function of plants and animals, structure and function of the human body, and ecological interrelationships. This course meets the requirement for graduation.

**EOC** Required Course

#### Pre-AICE Biology 2000322

Grade 10

This course focuses on biology, with an emphasis on human biology. This course enables students to better understand the technological world in which they live and take an informed interest in science and scientific developments. Students learn about the basic principles of biology through a mix of theoretical and practical studies. Students also develop an understanding of the scientific skills essential for further study, skills which are useful in everyday life. As they progress, students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. This course meets the requirement for graduation.

**EOC Required Course** 

Prerequisites: B or higher in Pre-AICE Chemistry and Level 3 or higher on the FAST ELA

#### AICE Biology 1 AS Level 2000321

**Grades 11-12** 

This AICE biology course develops learners who have a thorough understanding of key concepts in biology, an in-depth knowledge of biology's most important themes, and strong practical skills. This course helps learners develop the knowledge and skills that will prepare students for success in key concepts and encourages students to make links between topics and develop a deep overall understanding of this subject. Candidates for this course study the following topics: Cell structure, biological molecules, enzymes, cell membranes and transport, the mitotic cell cycle, nucleic acids and protein synthesis, transport in plants, transport in mammals, gas exchange and smoking, infectious disease, and immunity. Observation and experiment are a major implementation of this course. Students take the AICE Exam for an opportunity to earn college credit. *Prerequisites: B or higher in Pre-AICE Biology and Level 3 or higher on the FAST ELA* 

#### **Anatomy and Physiology Honors 2000360**

Grades 11-12

This is a rigorous course designed for students interested in careers in health care or science. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. The course will focus on 1) language of anatomy, 2) structure-function relationships of molecules, cells, tissues, and organs, 3) homeostasis, and 4) interrelationships of the body's organ systems. Emphasis is placed on the integration of systems as they relate to normal health.

Prérequisite: B or higher in previous science course

#### **Environmental Science 2001340**

Grade 9

This course has laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, and experimental and safely procedures. Topics include: Earth systems and cycles, energy flow and resources, ecology, populations and interactions, climate change, global policies and human impact.

#### **Pre-AICE Environmental Management 2001342**

Grade 9

This course provides a study of environmental issues and their management, especially the human aspect. Students will learn about environmental resources and their human exploitation, and about the goal of sustainable environmental management. Students also consider a range of case study material which can feature local, regional, or global examples. **Prerequisite: B** or higher in previous science course

#### **AICE Environmental Management AS Level 2001381**

Grades 10-12

This course covers environmental issues and their management, especially the human aspect. Through their studies, students will learn about environmental resources and their human exploitation, and about the goal of sustainable environmental management. Students also consider a range of case study material which can feature local, regional or global examples. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: B or higher in previous science course and Lével 3 or higher on the FAST ELA

#### Forensic Science 1 2002480

Grades 11-12

This lab-based course explores the basics of forensics using the scientific method and knowledge from diverse fields such as physics, chemistry, and biology. Students will learn to investigate fingerprinting, fiber analysis, ballistics, arson, trace evidence analysis, poisons, drugs, blood splatters, and blood samples. Students are taught the proper collection, preservation, and laboratory analysis of various samples. A lab donation will be requested to help finance laboratory activities.

Prerequisite: Biology

#### Marine Science 1 2002500

Grade 11

This course covers scientific method, safe and effective use of laboratory instruments, geography of the seas, marine geological features, anatomy, physiology and behavior of major groups of marine organisms, ecological chains, webs and cycles in the marine community, ways in which man benefits from the marine community, chemical and physical properties of ocean waters, the relationship between oceans and climate, and interaction of oceanography with technology & society.

#### AICE Marine Science 1 AS Level 2002515

Grades 11-12

This course provides a coherent and stimulating introduction to the science of the marine environment. It concentrates on the scientific study of the sea and its ecosystems, the emphasis throughout is on the understanding of concepts and the application of ideas to new contexts as well as on the acquisition of knowledge. The course encourages creative thinking and problem-solving skills which are transferable to any future career path. AICE Marine Science can form part of an ideal subject combination for learners who want to study Marine Biology or Environmental Science at a university or to follow a caréer in shipping, fisheries, tourism or aquaculturé. Students také the AICE Exam for an opportunity to earn college credit. Prerequisites: B or higher in previous science course and Level 3 or higher on the FAST ELA

#### Chemistry 1 2003340

Grades 11-12

This course covers classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, physical changes, acids, bases and salts, and energy associated with physical and chemical changes.

Prerequisites: B or higher in Algebra 1 or the equivalent and in previous science course

#### Pre-AICE Chemistry 2003372

This course focuses on chemistry and enables students to better understand the technological world in which they live and take an informed interest in science and scientific developments. Students learn about the basic principles of chemistry through a mix of theoretical and practical studies. As they progress, students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities, and the environment. Topics include atomic theory, periodic table, bonding, chemical reaction and balanced equations, behavior of gases, physical changes, acids, bases, salts, and energy associated with chemical and physical changes. Prerequisites: B or higher in previous science course and Level 3 or higher on the FAST Math Assessment

#### AICE Chemistry 1 AS Level 2003371

Grades 11-12

The syllabus includes the main theoretical concepts which are fundamental to the subject, a section on some current applications of chemistry, and a strong emphasis on advanced practical skills. Practical skills are assessed in a timetabled practical examination. The emphasis throughout is on the understanding of concepts and the application of chemistry ideas in novel contexts as well as on the acquisition of knowledge. The course will foster creative thinking and problem-solving skills which are transferable to any future career path. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: B or higher in Pre-AICE Chemistry and Level 3 or higher on Algebra 1 EOC and FAST ELA

#### Physics 1 Honors 2003390

Grades 11-12

This algebra-based course emphasizes scientific and mathematical reasoning and analysis as applied to an in-depth study of measurement, mechanics, wave theory, electric and magnetic theory, atomic and nuclear theory, plus an introduction to quantum mechanics. Coordinated laboratory activities will be part of this course. College-bound students are encouraged to take Physics Honors.

Prerequisite: B or higher in Algebra 2 or the equivalent

#### AICE Physics 1 AS Level 2003431

This course enables students to better understand the technological world in which they live and take an informed interest in science and scientific developments. Students learn about the basic principles of physics through a mix of theoretical and practical studies. Students also develop an understanding of the scientific skills essential for further study at the A Level, which are useful in everyday life. As they progress, students learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: B or higher in Chemistry and Biology, and Level 3 or higher on Algebra 1 EOC and FAST ELA

## Social Science

#### Critical Thinking and Study Skills 1700370

Grades 9-11 (Paired with US Government)

This course is designed to develop skills related to critical thinking, learning and problem solving, enabling students to enhance their performance in both academic and non-academic areas. Strategies for acquiring, storing and retrieving information, time management and organizational skills, critical thinking operations and processes, strategies for oral and written communication, and problem-solving skills including test taking skills are an integral part of this course.

#### AP Human Geography 2103400

Grade 9

The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students take the AP test for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### **World History 2109310**

Grade 10

This course examines comparative views of history, and analyzes cultural universals, the role of religion in historical change, varieties of contrasting political theories and philosophies, the role of science and technology as a social catalyst, the role of nationalism in history, the diversity of economic thought and diversity in the world, the influence of major figures and events, and interpretations of the historical development of the present world order. Units of study begin with the Byzantine Empire through modern history. This course meets the requirement for graduation.

#### AICE European History 1 AS Level 2109371

Grade 10

This course looks at some of the major international issues of the nineteenth and twentieth centuries, as well as covering the history of particular regions in more depth. The emphasis is on both historical knowledge and on the skills required for historical research. Learners develop an understanding of the nature of cause and effect, continuity and change, similarity and difference, and use historical evidence as part of their studies. This meets the World History requirement for graduation. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### **United States History 2100310**

Grade 11

This course emphasizes the cultural, political, social, economic, and historical development of the United States from the Civil War to modern times. This course meets the requirement for graduation.

**EOC Required Course** 

#### AICE US History 1 AS Level 2100500

Grade 11

This course emphasizes both historical knowledge and, on the skills, required for historical research. Students learn about cause and effect, continuity and change, similarity, and difference, and use historical evidence as part of their studies. The flexible and wide-ranging syllabus covers five periods, ranging from the origins of the Civil War to the Great Depression and the New Deal. This course meets the requirement for graduation. Students take the AICE Exam for an opportunity to earn college credit.

**EOC Required Course** 

Prerequisite: Level 3 or higher on the FAST ELA

#### Personal Finance and Money Management 2102371

Grade 12 (0.5 credit)

Paired with Economics

This course is designed to help students learn real world money management skills, including how wages and salaries are earned. Students will also study taxes, budgets, credit cards, loans, savings accounts, investment accounts, and retirement plans. The lessons will help prepare students to make wise personal financial decisions. This course is required for graduation for students entering grade 9 in 2023-2024 and thereafter. This course meets the requirement for graduation.

#### **Personal Finance and Money Management Honors 2102373**

Grade 12 (0.5 credit)

Students will explore how personal financial decisions are made, understand how wages and salaries are earned, including the types of taxes owed, and evaluate various post-secondary paths and career options. Students will develop personal or family budgets and explore how to purchase goods and services by weighing the costs and benefits of those goods and services. Practices in analyzing how interest can be earned by saving now, which allows for the purchase of more goods and services later, and understanding how to compare various savings accounts and services offered through financial institutions will be demonstrated. Students will study the advantages and disadvantages of credit accounts that allow for the borrowing of money to purchase goods and services while paying for them in the future, usually with interest, and shortand long-term loans. Students will develop an understanding of planning for their financial future through investment accounts and retirement planning. This course meets the requirement for graduation.

#### **Economics 2102310**

Grade 12 (0.5 credit)

Paired with US Government Grade 12

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content 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; major economic theories and economists; the role and influence of the government and fiscal policies; economic measurements, tools, and methodology; financial and investment markets; and the business cycle.

#### AP Macroeconomics 2102370

Grade 12 (0.5 credit)

Paired with AP US Government and Politics

This course gives students a thorough understanding of the principles of economics that apply to a system as a whole and places particular emphasis on the study of national income and price determination. It also develops students' familiarity with economic performance measures, economic growth, and international economics. This course meets the requirement for graduation. Students take the AP test for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### US Government 2106310

Grades 9-11 (0.5 credit) Paired with Critical Thinking and Study Skills Grade 12 (0.5 credit) Paired with Economics

This course fosters analysis of the documents which shape our political traditions (the Declaration of Independence, the Constitution, and the Bill of Rights), comparison of the three branches of government at the local, state and national levels, understanding of the evolving role of political parties and interest groups in determining government policy, the evolution and interpretation of the rights and responsibilities of citizens in a democratic state, the importance of civic participation in the democratic political process, discussion of Florida politics, and government structure and constitution. This course meets the requirement for graduation.

Florida Civic Literacy Exam Required

#### AP US Government and Politics 2106420

Grade 12 (0.5 credit)

Paired with AP Macroeconomics

This course gives students a critical perspective on government and politics in the US. It involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. It introduces students to fundamental concepts used by political scientists to study processes and outcomes of politics in a variety of country settings. It illustrates the rich diversity of political life, shows available institutional alternatives, explains differences in processes and policy outcomes, and communicates to students the importance of global political and economic changes. This course meets the requirement for graduation. Students take the AP test for an opportunity to earn college credit.

Florida Civic Literacy Exam Required Prerequisite: Level 3 or higher on the FAST ELA

#### AICE Global Perspectives and Independent Research 1 AS Level 1700364

Grades 11-12

The purpose of this course is to prepare learners for positive engagement with our rapidly changing world by examining global issues with reflection, empathy and a critical eye. The course is based on skills rather than specific content. Students will learn public speaking and presentation skills, critical evaluation of various types of informational media, and research skills. These skills will enable students to meet the demands of twenty-first century learning and make a successful transition to study in higher education and beyond. In order to receive AICE credit and a passing grade for this class students must successfully complete a detailed research paper, an oral presentation, and a written examination. Students take the AICE Exam for an opportunity to earn college credit. \*\*\*This course is required for all AICE Diploma candidates.

Prerequisite: Level 3 or higher on the FAST ELA

#### AICE Global Perspectives and Independent Research 2 A Level 1700365

This course aims to encourage learners to develop by: promoting a critical, questioning approach to information using the language of reasoning; prompting self-reflection and independence of thought; creating opportunities to understand and engage with key global issues wherever they live and work; nurturing an awareness and understanding of, and respect for, the diversity of perspectives on global issues; offering an interdisciplinary approach to global issues; encouraging development of independent learning skills in preparation for study in higher education and lifelong learning, promoting an understanding of appropriate research skills; engaging in the research process on an academic topic of their own choice which reflects their interest; providing opportunities for the exercise of the higher-order thinking skills of analysis, synthesis and evaluation; providing opportunities to develop oral presentation and communication skills. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: B or higher in corresponding AS Level course and a score of C or higher on the AS Level exam \*Note: If not enough students request this course, it may be offered as Independent Study.

#### AICE Thinking Skills 1 AS Level 1700372

Grades 10-12

The purpose of this course involves the development of a range of transferable thinking skills and processes. These skills are valuable and relevant within other subjects as well as being essential for further and higher education. It should engage students in the study of the language of reasoning by identifying reasons, evaluating reasoning of different kinds, recognizing and evaluating assumptions, clarifying expressions and ideas, and the production of reasoning appropriate to a given task. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### AICE Thinking Skills 2 A Level 1700374

Grade 12

This course aims to enable students to develop: a facility for independent thinking in the real world; the ability to organize and evaluate different types of information; the ability to create strategies for solving unfamiliar problems; the ability to present logical, ordered and coherent arguments; a facility for making well-reasoned judgements and decisions; a transferable set of critical thinking, reasoning and problem-solving skills which are essential for success in higher education and employment. The topics covered are divided into two sections: Problem Solving and Critical Thinking. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: B or higher in corresponding AS Level course and a score of C or higher on the AS Level exam

\*Note: If not enough students request this course, it may be offered as Independent Study

#### **AICE Travel and Tourism AS Level 2102410**

**Grades 11-12** 

This course gives students a broad understanding of one of the world's fastest growing industries: travel and tourism. Students investigate the reasons for the rapid growth in the modern travel and tourism industry and learn why it is described as 'the world's biggest industry'. They learn that the international travel and tourism industry consists of a wide variety of organizations that work together to supply products and services to tourists. Students will develop an appreciation of the values and attitudes of different organizations and the significance of travel and tourism to the economy of many countries. A significant part of the course is a group project where students plan and execute a local travel/tourism event. Completion of the group project is required to be eligible for AICE college credit. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### **AICE Travel and Tourism 2 A Level 2102420**

Grades 12

This course aims to enable candidates to develop: an understanding of the importance of the travel and tourism industry; an understanding of the positive and negative impacts of travel and tourism and the importance of sustainability; an appreciation of the importance of the customer in the travel and tourism industry; an understanding of how the travel and tourism industry responds to change, including technological advances; their own values and attitudes in relation to travel and tourism industry issues; problem solving, decision making and communication skills. Candidates in this course study the AS topics as well as: defining the tourism market; building a destination brand; implementing the destination brand; monitoring the effectiveness of the destination brand; organizations involved in destination management; impacts of tourism development. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: B or higher in corresponding AS Level course and a score of C or higher on the AS Level exam

\*Note: If not enough students request this course, it may be offered as Independent Study

#### AICE Psychology 1 AS Level 2107360

Grades 11-12

The AS Level AICE Psychology course is designed to encourage an interest in and appreciation of psychology through an exploration of the ways in which psychology is conducted and an understanding of how it is applied. The core studies illustrate a wide range of methodologies used in psychological research including experiments, observations, self-reports and case studies. Students will gain insight into how psychology studies human experience and behavior and how research is applied to current themes and issues. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

## **World Language**

Students must complete 2 years of the same world language to meet Florida Bright Futures requirements and for university admissions criteria.

#### French 1 0701320

Grades 9-11

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

#### French 2 0701330

Grades 9-11

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

Prerequisite: French 1

#### Spanish 1 0708340

Grades 10-11

This course focuses on beginning skills in listening and reading with special attention given to pronunciation of the vocabulary, an introduction to speaking and writing, and fundamentals of grammar and culture.

#### Pre-AICE Spanish Language 1 0708532

Grades 9-11

This advanced course enables students to begin to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills through contextual grammar and vocabulary. The goal of this course is to promote fluency, accuracy, and confidence in the language, and will prepare students for the next Spanish Language Cambridge course. Students in this course should have little to no previous experience with the language. This course is a rigorous and accelerated academic elective.

#### Spanish 2 0708350

Grades 10-12

This course expands the listening and reading skills previously acquired. The objective is on increased communication with additional emphasis on speaking and writing, and a cultural survey of Spanish-speaking countries and people.

#### Pre-AICE Spanish Language 2 0708534

Grades 9-12

This advanced course enables students to continue to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. This is a continuation of pre-AICE Spanish Language 1 and will prepare students for the next Spanish Language Cambridge course. The goal of this course is to continue promoting fluency, accuracy, and confidence in the language.

Prerequisite: Pre-AICE Spanish Language 1 or teacher recommendation

#### Pre-AICE Spanish Language 3 0708536

Grades 9-12

This advanced course enables students to continue to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. This is a continuation of pre-AICE Spanish Language 2 and will prepare students for the next Spanish Language Cambridge course. Emphasis is placed on enhancing listening, speaking, reading, and writing skills through contextual grammar and vocabulary.

Prerequisite: Pre-AICE Spanish Language 2 or teacher recommendation

#### AICE Spanish Language AS Level 0708538

This advanced course develops students' ability to understand and communicate confidently and clearly in verbal and written language. Students will be encouraged to read widely, to use relevant vocabulary, employ correct grammar, spelling, and punctuation. Students will develop the ability to analyze, synthesize, make inferences, and organize arguments and ideas logically. The goal of this course is to establish fluency, accuracy, and confidence in the target language. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: Teacher recommendation

#### AICE Spanish Language & Literature A Level 0708550

Grades 11-12

This advanced course strengthens students' ability to understand and evaluate texts critically and respond to a wide range of complex texts and cultural arguments. Students will develop self-awareness and independence of their target language usage by developing linguistic flexibility. This course prompts students to build on all previous knowledge to express ideas clearly and effectively. Finally, students will present informed verbal and written responses to a series of works from Spanish Literature including novels, poems, and plays. Focus will be placed on discussing contemporary issues as well as themes raised by authors of Spanish Literature. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisite: AICE Spanish Language AS Level

#### AP Spanish Language & Culture 0708400

The AP Spanish Course includes both AP Spanish Language and Culture and AP Spanish Literature and Culture. For the Language component, emphasis will be placed on speaking, reading, and writing fluently as related to the six AP Spanish themes. For the Literature component, students will work intensively to read, analyze, and critique a variety of classic literary texts, including short stories, poems, and essays, while studying the cultural, historical, and social contexts of the time periods. This course will be demanding because it is an advanced, college level class. Students will be required to complete research outside of the class setting for classroom discussions. Students will be expected to take BOTH AP Spanish tests for an opportunity to earn college credit.

Prerequisite: Teacher recommendation

#### AP Spanish Literature & Culture 0708410

Grade 12

AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts. Students will be required to complete research outside of the class setting for classroom discussions. Students will also have the opportunity to review the requirements for the Advanced Placement Spanish Language and Culture exam for additional college credit.

Prerequisite: Teacher recommendation

## **Agriculture**

#### **Agriscience Foundations 8106810**

Grades 9-12

This course teaches development in agricultural history, global importance of agriculture, career opportunities, applied scientific and technical concepts, ecosystems, agriculture safety, pest management, principles of plant growth, management principles, agriculture marketing, and human-relations skills. To pass the course, students must work with animals and plants. All students starting an agriculture program and interested in the Gold Seal Scholarship Award must begin this course. This course counts for a science or elective credit.

#### **Animal Science and Services 2 8106210**

Grades 9-12

This course develops competencies in livestock production. This includes the areas of livestock breeds, anatomy of livestock, nutrient requirements of livestock, health and disease, animal reproduction, marketing, fitting, and grooming of livestock. To pass the course, students must work with animals.

Prerequisite: Agriscience Foundations

#### **Animal Science and Services 3 8106220**

Grades 10-12

This course develops competencies in the areas of animal digestive systems, animal breeding, preventive medicine and disease control, control of parasites, animal marketing and analyzing records. To pass the course, students must work with animals.

#### **Animal Science and Services 4 8106230**

Grades 11-12

This course is designed to develop competencies in the areas of nutrition grooming, exhibiting and marketing animals, operation, maintenance and repair of equipment. To pass the course, students must work with animals.

#### **Introductory Horticulture 2 8121510**

Grades 9-12

This course is designed to develop competencies in the areas of career opportunities, global importance of agriculture plant classification, propagation, nutritional needs, fertilization, irrigation, pest identification, pest control, pruning plants, transplanting, safe hand-tool use, and employability skills. To pass the course, students must work with plants.

Prerequisite: Agriscience Foundations

#### Horticulture Science 3 8121520

Grades 10-12

This course is designed to develop competencies in the areas of industry regulations, plant classification, plant transportation, soil sampling and analysis, fertilizer calculations, water quality drainage, integrated pest management, pesticide safety and regulations, equipment calibration, chemical growth regulators, integrated landscape management, safe use of power equipment, record keeping, and employability skills. To pass the course, students must work with plants.

#### Horticulture Science & Services 4 8121610

Grades 11-12

This course is designed to further develop competencies in the areas of plant identification and classification, growing media, irrigation system set up, and maintaining and analyzing records, including production costs.

## Art

#### Two-Dimensional Studio Art 1 0101300

Grades 9-12

This course offers an introduction to elements of art and principles of design. It includes the exploration of various media through art production and the study of master artists. The basics of 2-D art elements such as point/line/shape, shapes in perspective, silhouette, color properties, and art history are included. Critiques are held regularly to aid students in judging and evaluating the aesthetics of artwork.

#### Three-Dimensional Studio Art 1 0101330

Grades 10-12

This course allows students to learn the basic concepts and processes of 3-D art. It includes the exploration of various media through art production and the study of master artists. The basics of 3-D art elements such as 3 and 4-point perspective drawing, volume, planes, shapes in perspective, color properties, and art history are included. The basics of ceramics and pottery are also covered. Critiques are held regularly to aid students in judging and evaluating the aesthetics of artwork.

Prerequisite: Two-Dimensional Art or Commercial Art Technology 1

#### Pre-AICE Art and Design: 3-D Studies 0101375

Grades 11-12

This course stimulates aesthetic awareness, knowledge and critical understanding of art, and provides opportunities for learners to develop a range of skills. Crucially, a personal and independent perspective is encouraged at all times.

Prerequisites: Art 2-D Comp I, Art 3-D Comp I (or 2 years of comparable art) and teacher recommendation

#### Commercial Art Technology 1 8718010

Grades 9-12

This is an introductory course designed to prepare students for careers as commercial artists in the fields of illustration, design, and related fields. Students will learn about the elements of art and design, as well as, how to draw, how to arrange compositions, and how to use various traditional media. Students will explore processes, skills, and techniques related to the careers of illustration, concept development, fashion design, and graphic design.

#### Commercial Art Technology 2 8718020

Grades 10-12

This course is designed to provide instruction in Adobe Photoshop in relation to commercial art fields. Students will create product labels and packaging, business cards, clothing and textile designs, logo designs, advertising designs, and magazine illustrations. Students will also learn about typography and print design. It will teach students to meet the needs of the professional world and create marketable products. This program will give you the tools and experience to pass the Adobe Photoshop Certification Exam.

#### Commercial Art Technology 3 8718030

Grades 11-12

This intermediate course builds upon the skills, techniques, and processes taught in Commercial Art 1 and 2. Students will learn how to draw in one- and two-point perspective and draw human and animal anatomy. Students will create comic book illustrations, children's book illustrations, character designs, environment designs, and creature designs. This course has a focus on preparing students for the skills required in illustration, concept development and animation fields. Students will begin to develop a portfolio of commercial artwork.

Prerequisite: Teacher approval

#### Commercial Art Technology 4 8718040

Grade 12

This is an advanced course which builds upon the skills, techniques, and processes taught in Commercial Art 1, 2, & 3. This course has a focus on preparing students for the skills required in illustration, concept development and animation fields. Students will begin to develop a portfolio of commercial artwork.

Prerequisite: Teacher approval

#### AP Art History 0100300

Grades 11-12

The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. Students take the AP test for an opportunity to earn college credit.

Prerequisite: Level 3 or higher on the FAST ELA

#### AICE Art and Design 1 AS Level 0101370

Grades 11-12

This course enables students to communicate ideas or concepts through the use of design and composition while making critical judgments and showing an appreciation and cultural awareness of the world around them. It is concerned with independent visual perception and aesthetic execution in the development of an idea, theme or subject. They will demonstrate their ability to select and control materials while analytically recording from direct observation and personal experience. A portfolio is required for this course. Students take the AICE Exam for an opportunity to earn college credit.

Prerequisites: Art 2-D Comp I, Art 3-D Comp I (or 2 years of comparable art) and teacher recommendation

## **Biomedical Science**

#### **Principles of the Biomedical Sciences 8708110**

Grades 9-12

This course is the first of 4 Biomedical Science courses and lays the foundation for the subsequent courses. The rigorous curriculum links basic biology concepts to components of illness and how the body functions with these disorders. The class is a hands-on, engaging course for students who are self-motivated and curious. Students enrolling into this course should be prepared to work hard, be up for a challenge, be self-disciplined, and be out of the box thinkers.

Prerequisites: Level 3 or higher on the Algebra 1 EOC and FAST ELA

#### **Human Body Systems 8708120**

Grades 10-12

Building on the foundations of PBS, this course focuses on the structure and processes of the body including endocrine, respiratory, urinary, digestive, musculoskeletal, and nervous systems. Students will work with a mannequin and clay throughout the course as we progress through the organs of each body system. College level hands-on activities are conducted to create a better understanding of the learned material. Take a step into an Anthropologist's shoes to unlock the clues of identity of a skeleton found using measurements and DNA analysis. Apply what you know to solve real-world medical cases and understand what it's like to be challenged with the responsibility of creating your own invention. By investigating the anatomy and physiology, students will do dissections of an eyeball, brain, kidney, and cow elbow joint.

Prerequisites: C or higher in Principles of the Biomedical Sciences and teacher recommendation

#### Medical Interventions 8708130

Grades 11-12

The most challenging of the biomed track, this course is full of labs that most college students will never even have the opportunity to do and focuses strongly on molecular genetics. Students will investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease. Diseases studied in this course include bacterial meningitis, HPV, HIV/AIDS, and many more. The course is a "How-to" manual for maintaining overall health in the body as students explore how to prevent and fight infection as well as antibiotic resistance, to screen and evaluate the code in human DNA, to prevent, diagnose and treat cancer. Skills are emphasized throughout the course such as scientific thinking and engineering. Higher level thinking is a skill necessary for this course as you must apply your knowledge and skill to real world problems to improve the quality of life of case studies.

Prerequisites: C or higher in Human Body Systems and teacher recommendation

#### **Biomedical Innovation 8708140**

Students will be required to apply knowledge gained through the previous courses taken including PBS, HBS, and MI to assist them in passing the BACE (Biotechnician Assistant Credentialing Exam through the University of Florida). By passing this exam, it is recognized by the medical industry as a level of experience that will support you for future jobs in the field of biotechnology. Skills applied in the laboratory will include performing gel electrophoresis, streaking an agar, performing serial dilutions, measuring pH, utilizing micropipettes and serological pipettes, PCR, etc. Students will do independent and group projects to further their knowledge.

Prerequisites: C or higher in Medical Interventions and teacher recommendation

## **Building Construction Technology**

# **Building Trades & Construction Design Technologies 1 8722010 Grades 9-12**

The purpose of this course is to develop the competencies essential to the building construction industry. These competencies include skills and knowledge related to safety practices, understanding all aspects of the industry, the use of hand and power tools, employability skills, human relations and leadership skills and related construction theory.

#### Building Trades & Construction Design Technologies 2 8722020

Grades 10-12

The purpose of this course is to develop the competencies necessary for the building, construction and repair industry. These competencies relate to communication and computer skills construction components, materials and hardware and blueprints, specifications, and construction documents.

#### **Building Trades & Construction Design Technologies 3 8722030**

Grades 11-12

The purpose of this course is to develop the competencies necessary for the building, construction and repair industry. These competencies relate to entrepreneurship, building codes and regulations, and CAD drawings and construction documents.

## Building Trades & Construction Design Technologies 4 8722040

Grade 12

The purpose of this course is to provide students with hands-on skills in the carpentry and masonry trades.

## **Business**

#### Digital Design 1 8209510

Grades 9-12

This course is the foundation for entry-level careers in the digital publishing industry. The content includes computer skills, digital publishing concepts and operations, layout design, measurement activities, and digital imaging, communication, collaboration and decision-making activities, critical thinking, problem-solving, and designing a simple website using HTML commands. Students will learn the basics of Adobe Photoshop, Illustrator, and InDesign software using version Adobe CS6 software. Industry certification testing in Photoshop will be offered to students.

#### Digital Design 2 8209520

Grades 10-12

This course continues the development of skills required for entry-level careers in the digital publishing industry. Students will learn advanced concepts and skills in the use of Adobe Photoshop, Illustrator, InDesign, and Dreamweaver software using version Adobe CS6 software. Marketing, advertising, and promotion concepts will also be covered, along with conceptualizing design solutions. Industry certification testing in Photoshop and Dreamweaver will be offered to students.

#### Digital Design 3 8209530

Grades 11-12

This course continues the development and training of industry standard skills in Adobe Photoshop, Illustrator, InDesign, Dreamweaver, and Flash. Students will use Adobe version CS6 software. Emphasis is given to acceptable web design and animation and effects. Industry certification testing in Photoshop, Dreamweaver, and Flash will be offered to students.

#### Marketing Essentials 8827110

Grades 9-12

This course is designed to introduce students to the concept of research, development, design and marketing of products. It will provide an understanding of how the marketing industry works and the variety of industry employment opportunities that it can offer. Topics covered but are not limited to designing graphics, products such as watches and shoes, research development of products, purchasing and marketing strategies and the intricacies of supply and demand.

#### **Marketing Applications 8827120**

Grades 10-12

This course specializes in marketing ideas and concepts with hands-on practice. Study areas will include product development, pricing, promotion, distribution, advertising, services, business ethics, economics, and career development. Brochures, flyers, presentations, and hands-on projects are required assignments in this class.

Prerequisite: Marketing Essentials

#### **Marketing Management 8827130**

Grades 11-12

This course is a continuation of Marketing Applications. Students at this level are expected to hold an officer or similar leadership position to lead the Marketing Applications students in one of three committees: Print Design, Digital Design & Social Media Marketing or Sales Fulfillment and Distribution. This level offers higher level experience to skills related to the marketing functions required for success in marketing and career planning as related to the marketing and sales industry.

Prerequisite: Marketing Applications

#### **Business Ownership 8812000**

Grade 12

This course is designed as a continuation of Marketing Management to prepare students for careers as entrepreneurs by providing students with the skills needed to realistically evaluate their potential as business owners by developing the fundamental knowledge and skills necessary to start and operate a business.

Prerequisite: Marketing Management

## **Engineering Technology**

#### **Applied Engineering Technology 1 8401110**

Grades 9-12

This course 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 associated mathematics, science and technology knowledge and skills. The course also includes essential concepts of technology and design, as well as concerns about the social and political implications of technological change.

Prerequisite: Level 3 or higher on Algebra 1 EOC and FAST ELA

#### Applied Engineering Technology 2 8401120

Grades 10-12

This course provides students with opportunities to further their mastery of engineering-related math and science principles to design solutions to real world problems. The course also includes a more in-depth look into the relationship between technology and design.

#### **Applied Engineering Technology 3 8401130**

Grades 11-12

This course provides opportunities for students to apply their acquired knowledge and skills in engineering scenarios. The course features multiple options for providing context-based projects oriented to specific fields of engineering. This feature enables instruction in complex projects involving multi-faceted project teams by providing instruction oriented to four key engineering disciplines: mechanical, electrical, civil, and environmental.

## **Advanced Technology Applications 8601900**

Grade 12

The purpose of this course is to provide students with the opportunity to develop a project, in any area of technology, from "vision" to "reality". Working in teams to perform all the functions of a research and development team. This would involve using ALL the knowledge previously learned, not only in technology education, but across the curriculum.

Prerequisite: Applied Engineering Technology 3

#### Foundations of Robotics 9410110

Grades 10-12

This unique and exciting engineering course explores the design, creation, and programming of robots and drones. Students will explore robotic application through use of the ROOTS robotic system. They will also have the opportunity to obtain an Unmanned Safety Institute (USI) sUAS (small Unmanned Aircraft System) unmanned Safety Certification Level 1 (Drone Pilot Safety) and the FAA Part 107 commercial drone license.

Prerequisite: Applied Engineering Technology 1

#### Robotic Design Essentials 9410120

Grades 10-12

This course will continue to develop skills needed to design and create functioning robots that solve 20 problems. Students will also continue to use the ROOTS robotic system and be introduced into the amazing world of competitive robotics and drone applications.

#### Robotic Systems 9410130

Grades 11-12

This unique and exciting engineering course explores the design, creation, and programming of robots and drones Students will explore application development through the ROOTS Robotics system; and students will be given the opportunity for industry certification in a multitude of programs to include SolidWorks® and an FAA Part 107 commercial drone license.

## **Health Science**

#### Health Science Anatomy and Physiology 8417100

Grades 9-12

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

#### **Health Science Foundation 8417110**

Grades 10-12

This course is part of the Secondary Health Core designed to provide the student with an in-depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem-solving skills. Students may shadow professionals throughout the course.

#### Allied Health Assisting 3 8417131

**Grades 11-12** 

In this course students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, emergency, radiation, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies. Industry certification in Certified Medical Administrative Assistant (CMAA) will be offered to students. Students must be 17 years old to sit for the CMAA exam and must have access to transportation to complete their observation hours.

## JROTC

Nationally accredited, JROTC provides challenging academic content and authentic learning opportunities, requiring students to collaborate and develop critical thinking. While students are in JROTC, they are required to wear a cadet uniform once per week. When wearing the uniform, cadets must maintain neat, well-groomed appearance and keep their hair in accordance with the regulation pertaining to Army JROTC Cadets. For specific questions pertaining to the curriculum, uniform and hair requirements, or skills, contact JROTC Instructors.

#### Leadership Education and Training 1 (JROTC 1) 1801300

Grades 9-12

This course includes instruction in the history, customs, traditions and purpose of Army JROTC. It contains the development of basic leadership skills to include leadership principles, values and attributes and emphasizes writing and oral communication. Physical fitness, diet, nutrition, healthy lifestyles and awareness of substance abuse and prevention and basic first aid measure are additional content areas. Also included is an overview of geography and the study of the Constitution and responsibilities of citizens.

#### Leadership Education and Training 2 (JROTC 2) 1801310

Grades 10-12

This course expands on skills taught in LET 1. It provides instruction on leadership styles and practical time to exercise leadership theories as well as the basic principles of management. It provides self-assessments that help students determine their skill sets and opportunities to teach using accepted principles and methods of instruction. It introduces mapreading skills and discusses the significant events that helped shape and develop the Constitution and government.

#### Leadership Education and Training 3 (JROTC 3) 1801320 Grades 11-12

This course expands on the skills taught in LET 2. It allows students to continue leadership development and decision-making skills. It emphasizes staff procedures and provides opportunities to handle various leadership situations. The research, identification, planning, and execution of service-learning activities are also included. It teaches about the creation of career portfolios and plans for college or work. Financial management principles are studied, as well.

#### Leadership Education and Training 4 (JROTC 4) 1801330

Grade 12

This course expands on the skills taught in LET 1-3. It focuses on decision-making, problem solving, planning, team development, project management, and mentoring. It provides the opportunity to demonstrate leadership potential in an assigned command or staff position within the cadet battalion. It includes how to use emotional intelligence in leadership situations, preventing violence and managing anger. It provides instruction on etiquette, financial planning, and careers. Concepts of democracy and freedom and how to influence local governments are discussed as well.

#### **Leadership Strategies Honors 2400320**

Grades 11-12

The intent of this course is to facilitate the integration and collaboration of the cadet battalion staff and company leadership command teams. Students will perform daily operational functions of running the PHS Cadet Battalion (which is modeled after an Army battalion). These functions include but are not limited to planning and conducting training for laboratories, physical fitness activities and key cadet programs. Student grades are based on their development, management and execution of programs within the student leader's sphere of influence. This course is offered as a second leadership course for all key leaders within the JROTC program. This course will only be offered during one class period each school year. Key leaders and staff members are expected to participate in, and lead Cadets at extra-curricular and community outreach activities.

Prerequisites: Students must be concurrently enrolled as a LET 3 or 4 and be approved by the JROTC Instructors.

## Music

A class fee may be required for materials and instrument use in all classes in these categories. Limited after school rehearsals and performances may be required for all music courses. All music courses are co-curricular courses, meaning that events such as concerts and rehearsals that are after school will be graded. Students will have ample notification of when these events will take place.

#### Music Theatre 1 0400700

Grades 9-12

Course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals.

#### Beginning Band 1 1302300B

Grades 9-12

Students will learn how to play a woodwind, brass, or percussion instrument. Examples of instruments a student could learn are flute, clarinet, trumpet, or tuba. No previous musical background is necessary.

Band 1 1302300 Grades 9-12

Band 2 1302310 Grades 10-12

Band 3 1302320 Grades 11-12

Band 4 1302330 Grade 12

Fundamental concepts of large ensemble performance: characteristic tone, dynamics, phrasing, knowledge of notes and rhythms are taught in these courses. Membership is open to any student with prior band experience and individual class placement is commensurate with ability.

Band 5 Honors 1302340

**Band 6 Honors 1302350** 

Grades 11-12

These are band courses that provide students with instruction in the application of musicianship and technical skills through the study of varied band literature. Honors credit requires additional assignments.

Prerequisite: Teacher recommendation

**Chorus 1 1303300** Grades 9-12

Chorus 2 1303310 Grades 10-12

Chorus 3 1303320 Grades 11-12

**Chorus 4 1303330** Grade 12

These courses promote the enjoyment and appreciation of music through performance of high-quality choral music. Rehearsals focus on the development of critical listening/aural skills foundational instrumental technique and skills, music literacy, and ensemble skills and aesthetic musical awareness culminating in periodic public performances.

#### Chorus 5 1303340

Grades 11-12

This year-long, advanced class is designed for students with previous participation in a high school chorus who have demonstrated a capacity for developing advanced listening/aural skills and advanced knowledge of vocal techniques, musical literacy, and choral performance. Chorus 5 focuses on development and application of these skills and provides opportunities for aesthetic engagement and making individual musical choices, where appropriate, while preparing a variety of high-quality choral literature.

#### Chorus 6 1303350

Grades 11-12

This year-long, very advanced class is designed for students who have demonstrated a capacity for developing very advanced listening/aural skills and performance techniques, as well as very advanced knowledge of vocal techniques, musical literacy, ensemble skills, and related musical knowledge. Chorus 6 focuses on managing, mastering, and refining these skills and techniques through a variety of high-quality choral literature at a high level of aesthetic engagement. Musical independence and student leadership are promoted through significant opportunities for peer mentoring, solo work, and participation as a performer, conductor, or coach in a small or large ensemble.

#### Guitar 1 1301320

Grades 9-12

Students with little or no experience develop basic guitar skills and knowledge, including simple and full-strum chords, bass lines and lead sheets, barre and power chords, foundational music literacy and theory, major scales, simple finger-picking patterns, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers in a variety of styles. Public performances may serve as a culmination of specific instructional goals.

#### Guitar 2 1301330

Grades 10-12

Students with previous guitar experience build on their skills and knowledge, adding chords, new strumming and finger-picking patterns, movable major and minor scales, basic music theory, more complex bass lines and lead sheets, and ensemble skills for a variety of music. Beginning guitarists explore the careers and music of significant performers. Public performances may serve as a culmination of specific instructional goals.

#### Jazz Ensemble 1 1302500

Grades 9-12

This is a jazz band course of standard instrumentation whose function is to teach introductory styles and idiomatic performance techniques, characteristic, tone, jazz rhythms, articulations, and ensemble performance techniques.

Prerequisite: Teacher recommendation

**Jazz Ensemble 2 1302510** Grades 10-12

Jazz Ensemble 3 1302520 Grades 11-12

Jazz Ensemble 4 Honors 1302530 Grade 12

These are jazz band courses of standard instrumentation whose function is to develop independence in knowledge of styles and performance techniques of contemporary jazz band literature.

Prerequisite: Teacher recommendation

#### **Keyboard 1 1301360**

Grades 9-12

This course is designed for students who wish to develop basic piano playing skills or expand on their existing skills. Time in class will be spent both on and off the keyboards. While playing, students will be working individually and in small groups to master the techniques of playing and to learn pieces. There will also be time spent in group instruction on musical notation and theory.

#### **Keyboard 2 1301370**

Grades 10-12

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

#### Beginning Orchestra 1 1302360B

Grades 9-12

In this course, students will learn how to play an orchestra instrument. No previous experience is necessary.

#### Orchestra 1 1302360

Grades 9-12

This course develops musicianship skills in music ensembles on orchestra instruments. Intended outcomes include characteristic tone production, phrasing, dynamics, appropriate tempo, note reading in selected keys, and knowledge of basic rhythms and meters.

#### Orchestra 2 1302370

Grades 10-12

This is an orchestra course designed to extend musicianship and ensemble experience on orchestral instruments. Intended outcomes include emphasis on orchestra performance technique, musical literacy, and music appreciation. Class placement is commensurate with ability. Daily at home practice is required for all students.

#### **Orchestra 3 1302380**

Grades 11-12

This is an orchestra course designed to develop technical skills on a string instrument through the study of varied orchestral literature. Intended outcomes include interpretation of medium level music including appropriate tone production and performance technique. Class placement is commensurate with ability. Daily at home practice is required for all students.

#### Orchestra 4 1302390

Grade 12

This is an orchestra course designed to instruct students in technical skills through study of varied orchestral literature. Outcomes include refinement of tone production and performance technique and continued development of the understanding of musical forms and styles. Class placement is commensurate with ability. Daily at home practice is required for all students.

#### Orchestra 5 Honors 1302400 Orchestra 6 Honors 1302410

Grades 11-12

These are orchestra courses designed to instruct students in technical skills through study of varied orchestral literature. Outcomes include refinement of tone production and performance technique and continued development of the understanding of musical forms and styles. Class placement is commensurate with ability. Daily at home practice is required for all students. Honors credit requires additional assignments.

Prerequisite: Teacher recommendation

#### AICE Music 1 AS Level 1300395

**Grades 10-12** 

Cambridge International AS Level Music encourages learners to develop their musical skills in a variety of music styles and traditions and build on their musical interests. Learners are encouraged to listen, compose, and perform with understanding, analysis and confident communication. They learn to become independent and critical thinkers. This course provides a foundation for the study of music or related courses in higher education.

Prerequisite: Level 3 or higher on the FAST ELA and have taken a music course in high school

## OJT

#### **Diversified Career Technology Principles 8303010**

**Grades 11-12** 

This course develops competencies related to the occupation in which students are employed through planned instructional activities in a job setting. Students may take this class in 10th grade in order to begin the program and qualify for the Bright Futures Scholarship but may not leave campus for OJT until 11th grade. Students do not need to take the OJT component to enroll in this class.

Prerequisites: By application and teacher approval

#### **Diversified Career Technology Application 8303020**

Grade 12

This course emphasizes specific job-related skills such as demonstration of employability skills, application of the principles of personal finance, demonstration of leadership skills and civic responsibility, practice of positive personal traits, performance of designated job skills, demonstration of work ethics, and understanding the importance of professional growth. Students must take Diversified Career Technology OJT concurrently to enroll in this class.

Prerequisites: DCT Principles, by application, and teacher approval

#### **Diversified Career Technology - OJT 8300410**

Grades 11-12

Student must also enroll in DCT Principles or DCT Applications. This course is realistic, on-the-job training for students to acquire and apply knowledge, skills, and attitudes in their chosen occupational fields (individualized job training plans are developed and utilized). Supervision is provided by DCT teacher and employer.

Prerequisites: By application and teacher approval

## **Physical Education & Driver Education**

#### Basketball 1/2 1503310/1503315

Grades 10-12

These courses provide opportunities to acquire knowledge and skills in basketball that may be used in recreational pursuits and to maintain or improve personal fitness.

#### Care and Prevention of Athletic Injuries/First Aid and Safety 1502490/0800320

Grades 10-12

Students will learn the basics of athletic training, including care, prevention, management, treatment, and rehabilitation of athletic injuries. Instruction will include basic anatomy, physiology, and kinesiology. Students will be expected to demonstrate appropriate taping, wrapping, and bracing techniques. The purpose of the First Aid and Safety course is to enable students to acquire skills in First Aid, CPR, emergency care, and personal safety.

#### Health Opportunities through Physical Education (HOPE) 1506320

Grades 9-12

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This course is required for graduation.

#### Individual and Dual Sports 1/2 1502410/1502420

Grades 10-12

These courses enable students to develop knowledge and skills in specified individual and dual sports to maintain or improve health-related fitness. This may include badminton, tennis, pickle ball, Frisbee golf, and race walking.

#### **Recreational Activities 1502470**

Grades 10-12 (0.5 credit)

Paired with Driver Education

This course provides opportunities to acquire knowledge and skills in different recreational activities.

#### Team Sports 1/2 1503350/1503360

Grades 10-12

These courses provide students with the opportunity to acquire knowledge and skills necessary to participate effectively as a team member. Specific content shall include an understanding of basketball, flag football, soccer, team tennis, team handball, volleyball, and softball as well as other team sports deemed appropriate.

#### Weight Training 1/2 1501340/1501350 Grades 10-12

#### Weight Training 3/Power Weight Training 1501360/1501410 Grades 11-12

These courses reinforce basic weight training knowledge, safety practices, and expansion of weight training programs by incorporating new exercises, increasing resistance and modifying the number of sets/repetitions, knowledge of various weight training theories, equipment available to develop muscular strength and endurance, designing, implementing, and evaluating a personal weight training program.

#### **AICE Physical Education 3026020**

Grades 11-12

The AICE Physical Education syllabus is both practical and theoretical, covering anatomy and physiology, movement skills and contemporary studies in sport. Learners are encouraged to try out a range of physical activities, including team and individual sports, games, and outdoor activities, and then use the theoretical knowledge they have gained to analyze the different factors influencing performance. Students take the AICE Exam for an opportunity to earn college credit.

#### **Driver Education 1900310**

Grades 10-12 (0.5 credit)

Paired with Recreation

This is a two-phase course consisting of classroom study and driving in the car. Statistics prove that drivers who have had Driver Education have 50 percent fewer accidents than those who have not had it. Therefore, a few insurance companies give discounts on insurance plans for students who successfully complete the class. Students taking Driver Education will be given a DMV-approved road test to earn their driver's licenses through instructors who are DELAP certified.

Prerequisite: Must have DMV Learner's Permit

## **Theatre**

#### Theatre 1 (Drama) 0400310

Grades 9-12

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

#### Theatre 2 (Drama) 0400320

Grades 10-12

This course is designed for students with one year of theatre experience or more. It promotes enjoyment and appreciation for all aspects of theatre through opportunities to build significantly on existing skills. Classwork focuses on characterization, playwriting, and playwrights' contributions to theatre. Improvisation, creative dramatics, and scene work are used to help students challenge and strengthen their acting skills and explore the technical aspect of scene work.

#### TV Production

#### TV Production Technology 1 8201510

Grades 9-12

This course focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the television production industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, and community issues. Upon successful completion of TV-1, students are eligible to compete for Tiger TV, where they will produce feature projects, and learn the various aspects of broadcast writing and production.

#### TV Production Technology 2 8201520

Grades 10-12

This course continues to further the students' understanding of television production. Preproduction, advanced editing, and electronic news gathering will be introduced at this time. Taping three after-school events per quarter will be required. Daily class work, the ability to meet deadlines, and projects will gauge success. TV-2, 3, and 4 students may apply for a position on the daily Tiger News Show.

# TV Production Technology 3 8201530 Grades 11-12 TV Production Technology 4 8201540 Grade 12

These courses will develop employment skills such as communication, teamwork, and project management. Large projects will be assigned to small groups or pairs to measure success. Qualifying projects will be aired on public television.

## **Supported Curriculum**

#### AVID 1/2 1700390/1700400

Grades 9/10

AVID (Advancement Via Individual Determination) is offered as a rigorous academic elective course that prepares students for success in four-year colleges. The AVID course is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center. They also participate in tutor-facilitated study groups, motivational activities, and academic survival skills. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading (WICOR) to support their academic growth.

#### AVID 3 1700410

Grade 11

This course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of firstand second-year college students. This course is organized around the theme of "Leadership as a Catalyst for Change in Society". Students study exceptional leaders in contemporary society and examine the effect these individuals have had on culture, politics, education, history, science and the arts. The course requires that students read essays, speeches, articles and letters by these leaders, as well as at least one full-length work by the leader or about the leader.

#### **AVID 4 1700420**

Grade 12

This course is the second part in a junior/ senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. This course continues around the theme of "Leadership as a Catalyst for Change in Society". Students will complete a final research essay project from research conducted in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities.

#### **AVID Tutor 2104350**

Grade 12

AVID tutor is a one-year elective course for students wishing to be tutors in the AVID elective program. Students will tutor 5-7 AVID students twice a week during the tutorial portion of the AVID elective class and assist the teacher in providing academic and organizational skills to students. The tutors are expected to be able to help in at least three academic subjects in which they themselves have been successful at an Honors, AICE, Dual Enrollment, or Advanced Placement level. Tutors receive instruction and training using the inquiry method that encourages higher level thinking by students.

#### **Learning Strategies 7963080**

Grades 9-12

The purpose of this course is to enable students with disabilities to acquire and generalize strategies and skills across academic, community, and employment settings to achieve annual goals based on assessed needs and the student's Individual Educational Plan (IEP).

## Yearbook

Journalism 1 1006300 Journalism 2 1006310 Journalism 3 1006320 Journalism 5 Honors 1006331

Grades 10-12

The purpose of these courses is to enable students to develop fundamental skills in the production of print or electronic journalistic media for the high school newspaper or yearbook. This course allows students to earn a certification in Adobe InDesign. This meets the fine arts requirement for graduation.

Prerequisite: By application and teacher approval

## **Dual Enrollment**

#### Written Communications ENC 1101

Grades 11-12

Paired with ENC 1102

A college level writing course that focuses on the development of essay form, including documented essay; instruction and practice in expository writing. Emphasis on clarity of central and support ideas, adequate development, logical organization, coherence, appropriate citing of primary and/or secondary sources, and grammatical and mechanical accuracy. This is a Gordon Rule course in which the student is required to demonstrate college-level writing skill through multiple assignments. Prerequisite: Students must satisfy all current Dual Enrollment admission criteria and requirements, including test scores and GPA.

#### Written Communications 2 ENC 1102

Grades 11-12

Paired with ENC 1101

Application of skills learned in ENC 1101. Emphasis on style; use of library; reading and evaluating available sources; planning, writing, and documenting a short research paper. This is a Gordon Rule course in which the student is required to demonstrate college-level writing skills through multiple assignments.

Prerequisites: ENC 1101; Students must satisfy all current Dual Enrollment admission criteria and requirements, including test scores and GPA.

#### College Algebra MAC 1105

Grades 10-12

Paired with STA 2023

This course includes the study of polynomial and rational functions, exponential and logarithmic functions, and trigonometric and circular functions. Some probability and statistics may also be included.

Prerequisites: Students must satisfy all current Dual Enrollment admission criteria and requirements, including test scores and GPA.

#### **Elementary Statistics STA 2023**

Grades 10-12

Paired with MAC 1105

The purpose of this course is to explore the concepts of probability, statistics, and hypothesis testing. The content will include, but not be limited to the following: binomial distribution, concepts of descriptive statistics, concepts of nonparametric statistics, hypothesis testing, measures of central tendency, sampling theory, combinations and permutations, concepts of inferential statistics, the normal distribution, correlation and regression, and randomness.

Prerequisites: Students must satisfy all current Dual Enrollment admission criteria and requirements, including test scores and GPA.

#### DE American History 1/2 AMH 2010/AMH 2020

Grade 11

This course will study the following topics: understanding of geographic-historic and time and time-space relationships, the synthesizing of American culture through the centuries, the continuous westward expansion of American settlements, the origin of American ideals, the American colonial experience, the American Revolution and the Declaration of Independence, the formation of the Constitution and the federal system, the interpretive evolution of the Constitution over two centuries, sectional schisms in American life, the Civil War and Reconstruction, the technological and urban transformation of the country, the evolution of American lifestyles and ideals over the centuries, American foreign policy development, the cyclical development of the American economy, contemporary domestic and foreign issues.

development of the American economy, contemporary domestic and foreign issues.

Prerequisites: Students must satisfy all current Dual Enrollment admission criteria and requirements, including test scores and GPA.





# PALMETTO HIGH SCHOOL

Monica S. DeLesline, Principal

1200 17th Street West, Palmetto, FL 34221



