

w e a r e

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program of studies

contents



- Administrative and Counseling Staff
- How to Use This Book
- School Profile
- Academies and Teams
- Magnet Program—MaST
- Magnet Program—AICE
- Health & Fitness Career Academy
- Accelerated Graduation Options
- High School Promotion and Grade Classification
- My Career and Education Plan
- Graduation Requirements
- Grades
- Grade Point Average (GPA)
- Exceptional Student Education
- Performance-Based Diploma Program
- Florida Bright Futures Scholarship Program
- Co-Curricular and Extra Curricular Activities
- Athletic Eligibility
- NAIA Eligibility
- NCAA Eligibility for College-Bound Athletes
- 2014-15 Registration Form for Grade 9
- Course Descriptions
- Required Courses
- English
- Math
- Science
- Elective Courses
- Social Studies
- World Languages
- Career and Technical Education
- HOPE Requirement
- JROTC
- Music
- Visual Arts
- Theater Arts

who

we

are

principal david jones

assistant principals jamie massengale
becky moyer
gregory rumph
merlin schenk

school counselors star conti 11th and 12th AICE
casey chasteen students with iep
adria kayser r—z
george sweitzer e—k
lauren taylor a—d
sharon vick guidance dept. chair l—q

This book will give you valuable information concerning programs and courses offered to students at Sarasota High School. You will need this information as you select courses and register for next year.

Please read all parts of this book carefully, and discuss your course selection with your parents, teachers or counselor. When selecting courses, focus on your interests and career goals, as well as graduation and/or scholarship requirements.

The first half of the book gives a brief description of graduation requirements and programs available at Sarasota High School. The second half contains a list of courses offered at Sarasota High School. The course descriptions are divided by subject area. While reading through the course descriptions, pay attention to the amount of credit awarded for the course (whether it counts as a half or one full credit), the prerequisites necessary for you to enroll in the course, grade levels at which the course is offered, and any special notes.

using this book



Cambridge AICE Diploma Explanation

The Cambridge AICE Diploma is a group award that recognizes the achievements of students who have experienced the balanced and stimulating curriculum of Cambridge International Advanced Subsidiary Level (AS Level) and Advanced Level (A Level). The diploma program was launched in Florida, USA in 1997, where it continues to receive strong legislative support and funding. Now, used by schools around the world, the Cambridge AICE Diploma is evolving to make sure it continues to prepare students for success at college and beyond.

Preparing students for college success:

Along with in-depth understanding of their subjects, students also need to master a broader range of skills critical for success in university study and employment. The Cambridge AICE Diploma is changing to place more emphasis on essential skills such as the ability to:

- think critically
- carry out independent research and evaluate arguments
- communicate clear and well-reasoned arguments
- understand global issues from multiple perspectives.

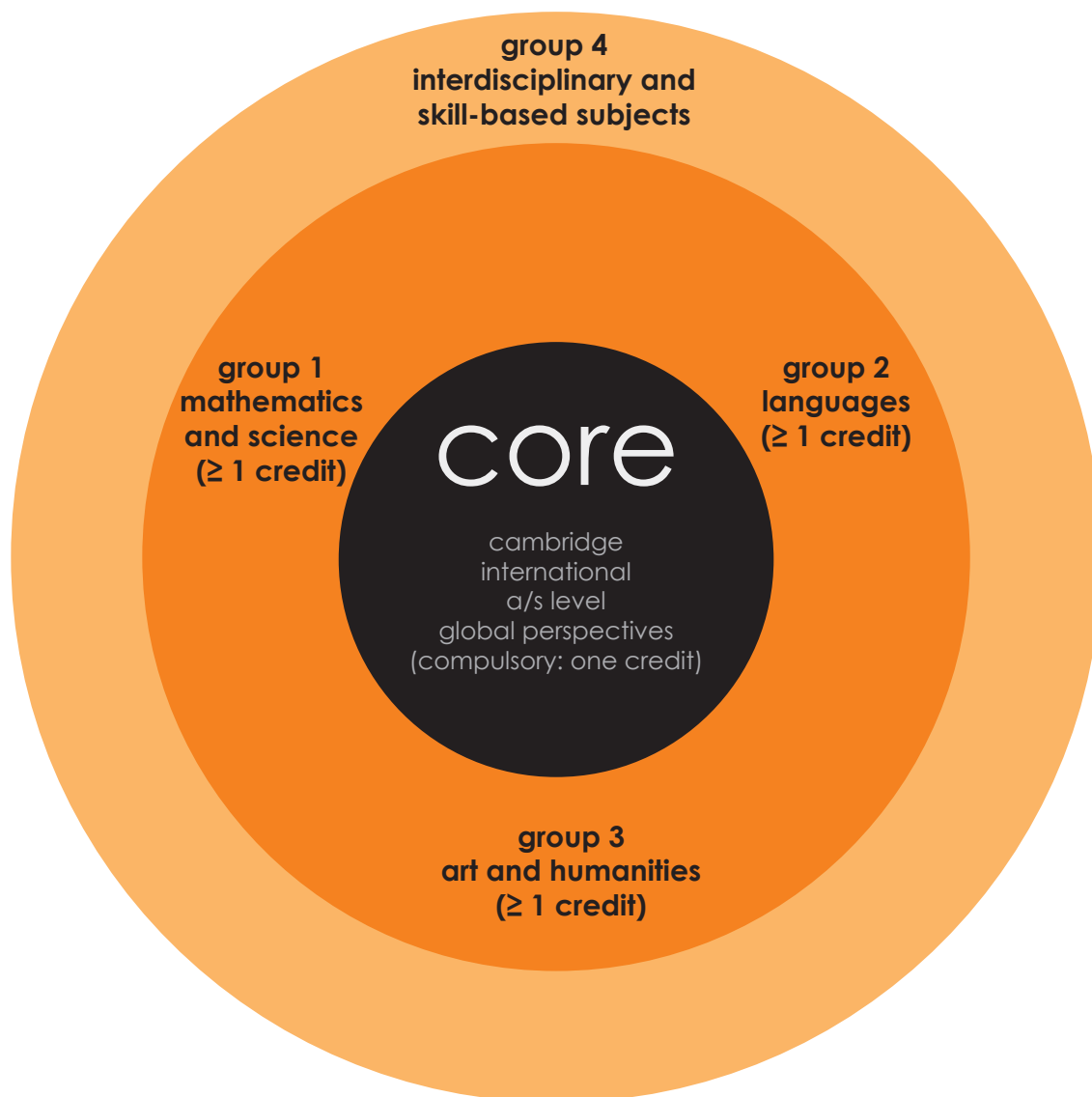
This evolution will help higher education institutions identify students with the type of cohesive academic experience and higher-order thinking and communication skills that are associated with distinguished achievement at university.

Thinking critically, independently and globally are the core of the diploma. To achieve the diploma all learners will need to study and pass the Cambridge International AS Level Global Perspectives curriculum. This skills-based course challenges learners to think critically, analyze evidence and compare perspectives. The curriculum is assessed through a range of options, including a written examination, team project and presentation.

The course is built around an innovative teaching and learning process called the Cambridge critical path. This supports learners to think critically and objectively, leading to a deeper understanding of their chosen topic. Cambridge International AS Level Global Perspectives is available for first teaching from August 2014.

A rigorous and stimulating program that ensures breadth and depth The Cambridge AICE Diploma is designed to deliver breadth across the curriculum and depth in selected subjects. Learners have to achieve a minimum of seven credits from at least three subject groupings and the core (Cambridge International AS Level Global Perspectives) to be awarded the diploma.

Within the diploma a Cambridge International AS Level examination passing score is awarded one credit and a Cambridge International A Level examination passing score is awarded two credits.



group 4 is optional: 2 credit maximum

Group 1 Mathematics and Science	Group 2 Languages	Group 3 Art and Humanities	Group 4 Interdisciplinary and skills based subjects
<ul style="list-style-type: none"> • Biology (AS/A) • Chemistry • Environmental Management (AS) • Marine Science (AS/A) • Mathematics (AS/A) • Physics (AS/A) • Psychology 	<ul style="list-style-type: none"> • English Language (AS/A) • Spanish 	<ul style="list-style-type: none"> • Art & Design • US History (AS/A) • Literature in English • Psychology 	Thinking Skills (AS/A) <ul style="list-style-type: none"> • General Paper(AS) • Global Perspectives: Independent Research (optional for 1 credit)

MaST

mathematics, science and technology

research institute

In the fall of 1995, the School of Excellence in Math, Science, and Technology (MaST) was established at SHS (Sarasota High School). The MaST Research Institute (MRI) operates as a school-within-a-school and is intended to provide qualified students with rigorous enriched curricula and in-depth research experiences that prepare them for collegiate study in the Math, Science, Medical and/or Engineering fields. MRI provides students with a year-long introduction to the research process followed by advanced, independent, mentor-supervised research for the duration of each student's high school career. The students' research experiences in MRI is coupled with an advanced academic core through Sarasota High's AICE program. The MaST Research Institute offers students a unique competitive edge when applying to colleges.

RESEARCH PLAN

Freshman year

- Introduction to basic research skills/items, including:
- The scientific method
- Published scientific research articles
- Unique research project development
- hypothesis development

Sophomore year

- Full development of unique research project
- Article readings concentrating on a specific subject
- Written research plans
- Community mentor(s) to be a guide for research projects
- Entrance to Sarasota County Regional Science Fair
- Possible summer research internship

Junior year

- A clear understanding of unique research is attained
- Work built off research from sophomore year, but more rigorous and concise
- Research project is expected to place in the Sarasota County Regional Science Fair
- Possible summer research internship

Senior year

- Culmination of all work and knowledge from previous years' research
- Continued research from junior year with a new plan and hypothesis
- Research project is expected to place in the Sarasota County Regional Science Fair
- Presentation and defense of research at annual MaST Research Symposium

All Students

- Compete in local, state, and international competitions, including:
- Florida Junior Academy of Sciences
- Junior Science Engineering and Humanities Symposium
- International ISWEEP Competition

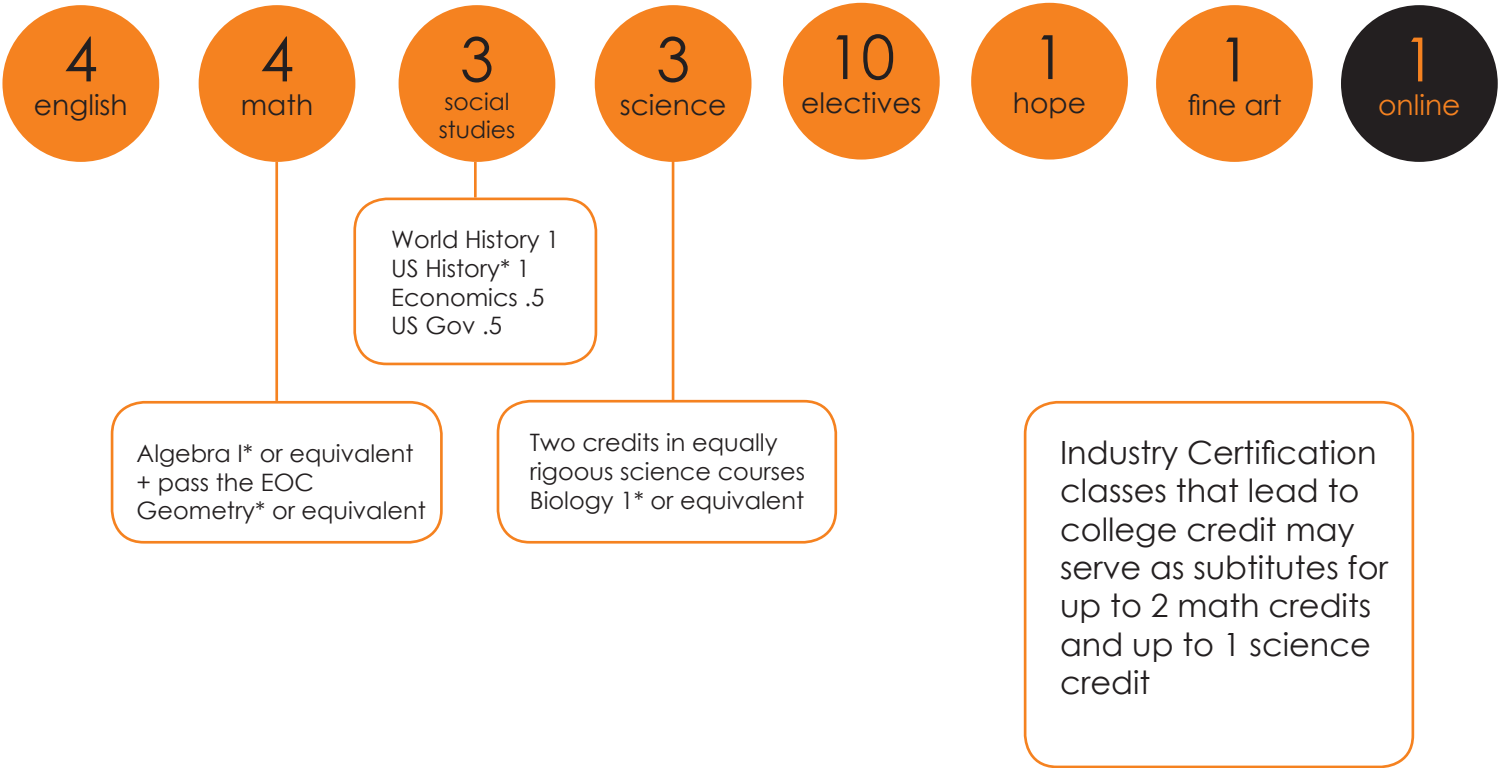
class of 2021 graduation requirements

Students first entering grade 9 in the 2017-2018 school year must meet the following graduation requirements:

Students must earn at least 26 credits at the comprehensive high schools. In addition to the credit requirements, students must successfully complete all required courses (or equivalent). Students must achieve an unweighted cumulative grade point average of 2.0 on a 4.0 scale. Students must pass the appropriate state assessments required for graduation. Concordant scores on the SAT or ACT may be used to meet the FSA ELA requirement. Students should talk to their school counselor to get the current concordant scores and additional details about using these scores to meet this graduation requirement. Passing State of Florida end of course examinations is also required for specific courses and/or specific diplomas. See your school counselor for your specific requirements.

NEW REQUIREMENTS: Students entering grade 9 in the Fall of 2011 and thereafter must take one online course for graduation. Passing the State of Florida end of course exam in Algebra 1 is required for graduation. 30% of the Algebra 1 EOC will be calculated into the final Algebra 1 grade.

high school standard diploma graduation requirements



*EOC is 30% of final grade

Grades

A 90-100	B 80-89	C 70-79	D 60-69	F 0-59	I	P	W
Outstanding	Above Average	Average	Below Average	Failure	Incomplete	Passes Credits, No GPA	Withdrawn



GPA's

You must earn a minimum of a 2.0 GPA on a 4.0 scale to graduate. Some courses are weighted (given extra points); however, the required 2.0 GPA is on an unweighted scale. Your GPA is very important for determining graduation and eligibility for special scholarship and extra-curricular activities such as sports. The GPA represents the number of quality points earned divided by the number of credits attempted.

Quality points are assigned as follows:

Regular Classes	AICE, AP
A = 4	A = 5
B = 3	B = 4
C = 2	C = 3
D = 1	D = 2
F = 0	F = 0

accelerated graduation options

Some students may wish to select an accelerated graduation option. This choice requires a conference with the school counselor, who will explain the requirements as well as the advantages and disadvantages of this option.

Exceptional Student Education (ESE)

Sarasota High School offers a comprehensive program of services for exceptional students. Many attend regular education classes and receive the services that are prescribed on their Individual Education Plan (IEP). ESE students may graduate with a regular high school diploma, a special diploma or a certificate of completion.

Performance-Based Program

Sarasota High School offers this program to students who may have difficulties meeting the expectations of a traditional academic high school program. It includes participation in a computer-assisted curriculum, career-technical courses and small group counseling. Your school counselor can discuss eligibility requirements with you and your family.

Florida Bright Futures

The Florida Bright Futures Scholarship Program awards scholarships to any Florida high school graduate who merits recognition of high academic achievement and who enrolls in an eligible Florida public or private post-secondary educational institution within three years of high school graduation. There are three Florida Bright Futures Scholarships: Florida Academic Scholarship, Florida Medallion Scholarship and the Career Technical Education Gold Seal Scholarship. Students can qualify for only one scholarship and must meet certain requirements. The general requirements are:

- Florida residency
- Standard high school diploma with GPA requirement
- Accepted and enrolled in an eligible Florida public/private post-secondary school
- Enrolled for at least six semester credit hours during senior year
- Participate in community service
- Applied for the scholarship and FAFSA before graduation
- Qualifying scores on the SAT or ACT as set by Florida legislature

For more information regarding Bright Futures requirements, please visit the website at www.firm.edu/doe/bfuture. The requirements for the Florida Bright Futures Scholarship program are subject to change at any time.

FLVC.org

The Florida Virtual Campus provides access to online student and library support services, and serves as a statewide resource and clearinghouse for technology-based public postsecondary education distance learning courses and degree programs. FLVC's services to the students, faculties, and staff of the state's public colleges and universities include:

- Support for Florida's ever-growing population of distance learners and institutions offering online courses and degrees.
- Online academic advising services to help students identify the requirements of their chosen degree.
- A variety of tools used by staff at college and university libraries to provide services to their students and faculties.
- Online access to the library holdings of all Florida public colleges and universities, including electronic resources such as full-text journals, databases, and eBooks.
- Support and training for college and university students and staff using the services of FLVC.

Co-Curricular and Extra Curricular

Sarasota High School offers many different kinds of co-curricular and extra curricular activities. Co-curricular activities are student organizations or groups that meet as part of a course or major area of interest. Examples include marching band and a wide variety of student organizations related to career interests. Students interested in a military career may also wish to consider enrolling in the JROTC program. Extracurricular activities include a large variety of sports programs for all students, school newspaper and yearbook.

Athletic Eligibility

At Sarasota High school, athletics are important extracurricular activities. Student athletes must also maintain good grades and attendance. There are also expectations for students who plan to pursue athletics at a college or university.

Our school provides a well balanced program of interscholastic athletics for as many high school students as possible. The program is designed around available facilities, personnel and financial support. Athletic activities are considered part of a quality physical education program and operate under the policies of the Sarasota County School Board and the Florida High School Athletic Association.

A student will be eligible during the first semester of his/her ninth-grade year provided that it is the student's first entry into the ninth grade and he/she was regularly promoted from the eighth grade the immediate preceding year. Second semester ninth graders will be required to maintain a 2.0 minimum GPA for athletic participation. The minimum 2.0 grade point average is established in Florida Statutes and cannot be waived by the Florida High School Athletic Association.

NAIA Eligibility

College bound athletes who plan to attend a National Association of Intercollegiate Athletes (NAIA) school will need to meet the following three admission requirements:

1. A minimum score of 18 on the Enhanced ACT or a combined 860 on the critical reading and math sections of the SAT.
2. An overall high school GPA of 2.0 or higher on a 4.0 scale.
3. Graduate in the upper half of his or her high school class.

NCAA Eligibility

If you plan to be a college athlete in a Division I and Division II college or university, you will need to meet NCAA Clearinghouse standards as well as college admission standards.

For more information regarding the rules, please go to www.ncaa.org.

Course Descriptions: Required Courses

Legend:

Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
The maximum number of credits a student can earn for the given course.	Receives additional points towards GPA	Course can be used to meet Florida Academic Scholars and Florida Medallion Scholars 15 academic core requirements.		Course is part of a career technical program.	Course can be used to meet Florida Gold Seal Vocational Scholars award 15.5 high school graduation core requirements (for students choosing the 24 credit graduation option)	Course applicable toward State University System admissions.
1.0 .5 U-Unlimited	Y: Weighted N: Not Weighted	C: Core N: Not Core	C: AP N: No E: Elective	Y: Yes N: No	C: Core N: Not Core	E: Elective C: Core N: Not Used P: Pending

English 4 Credits Required for Graduation

ENGLISH I Grades: 9-12 1001310						
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	C	N	C	N	C

Prerequisite(s): None

This course provides instruction in English language skills including reading, writing, speaking, vocabulary and listening in the content areas of literature and language. Students read and analyze short stories, drama and essays. Composition focuses on the writing process, particularly essay construction. The study of language includes usage, mechanics, spelling and other elements of standard written English

PRE-AICE ENGLISH LANGUAGE			Grades: 9-12	1001560			
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis	
1.0	Y	C	N	C	N	C	

Prerequisite(s): Admission in the AICE Program

This course enables students to communicate accurately, appropriately and effectively and to understand and respond appropriately and imaginatively to what they read and experience. They will employ different forms of writing to suit a range of purposes and will show they can understand the content and argument of given texts.

ENGLISH 1 THROUGH ESOL			Grades: 9-12	1002300			
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis	
1.0	N	C	N	C	N	C	

Prerequisite(s): ESOL students

The course requirements are consistent with English I, Course Number 1001340. The instructor shall provide appropriate instructional strategies to meet the needs of ESOL students enrolled in this course. Students earning credit in English I Through ESOL may not earn credit in English Skills I, English I or English Honors I.

DEVELOPMENTAL LANGUAGE ARTS THROUGH ESOL			Grades: 9-12	1002380			
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis	
1.0	N	N	N	N	N	E	

Prerequisite(s): Limited English Proficiency-Non-English Speakers (NES) & Limited English Speakers

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of activities and content areas. The content should include, but not be limited to the following; vocabulary for formal and informal conversation; reading and writing skills; integrated communication skills for school and work; participation in communicative tools to reflect the connection between oral and written language; practice using skills and strategies in order to support the process of language acquisition and the learning of concepts; exposure to and practice in applying academic language; practice applying study skills and learning strategies in all subject areas to accomplish meaningful tasks.

INTENSIVE READING		Grades: 9-10		1000410		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	N	N	N	E

Prerequisite(s): Students will be placed by State of Florida requirements
 This is a remedial course designed for students scoring Level 1 or 2 on the FCAT Reading Assessment. Content of the course will be based on a diagnosis of each student's needs for instruction. Students will be given opportunities to develop and apply reading, vocabulary, and writing skills through guided, shared, and independent reading. Instruction in test-taking skills, including performance tasks and comprehension strategies for reading content-area texts, will be emphasized. This course code can be repeated multiple times.

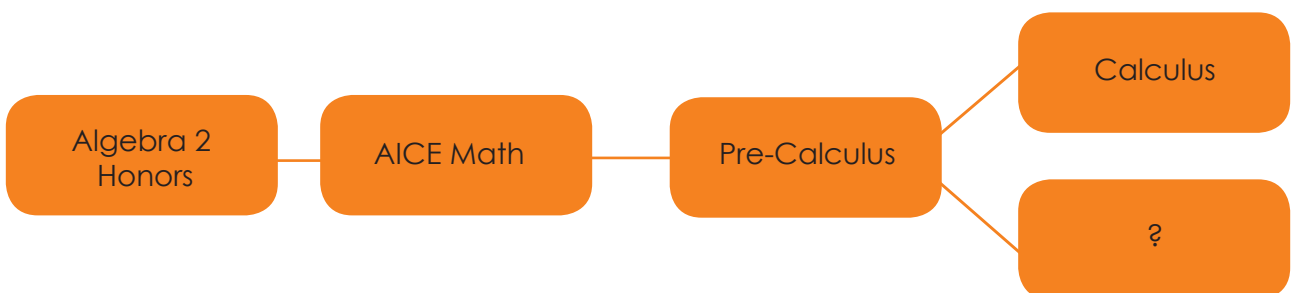
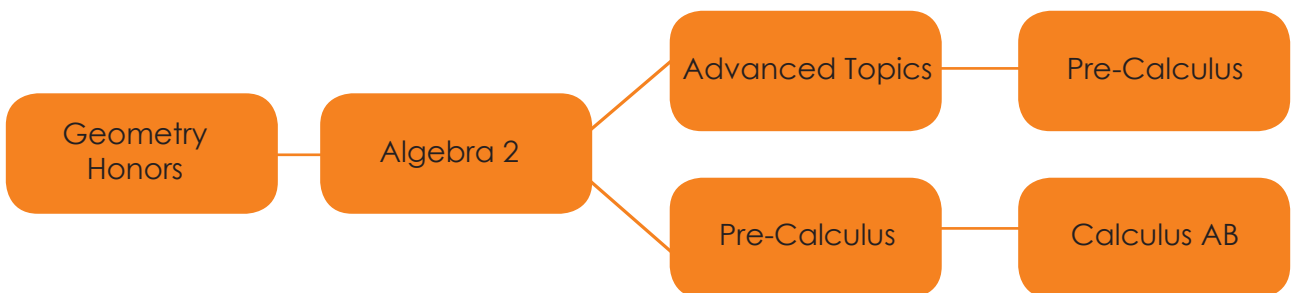
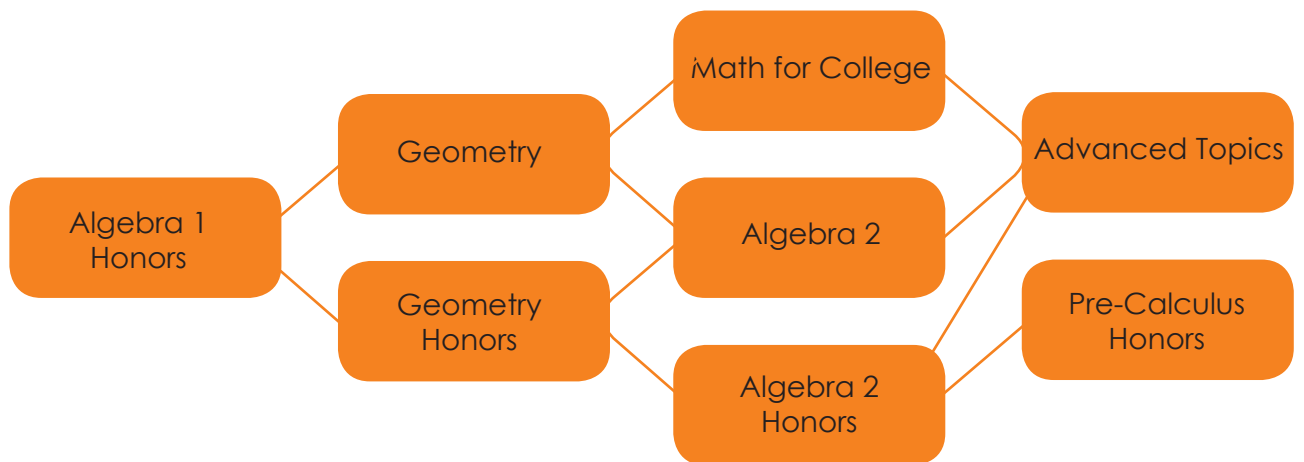
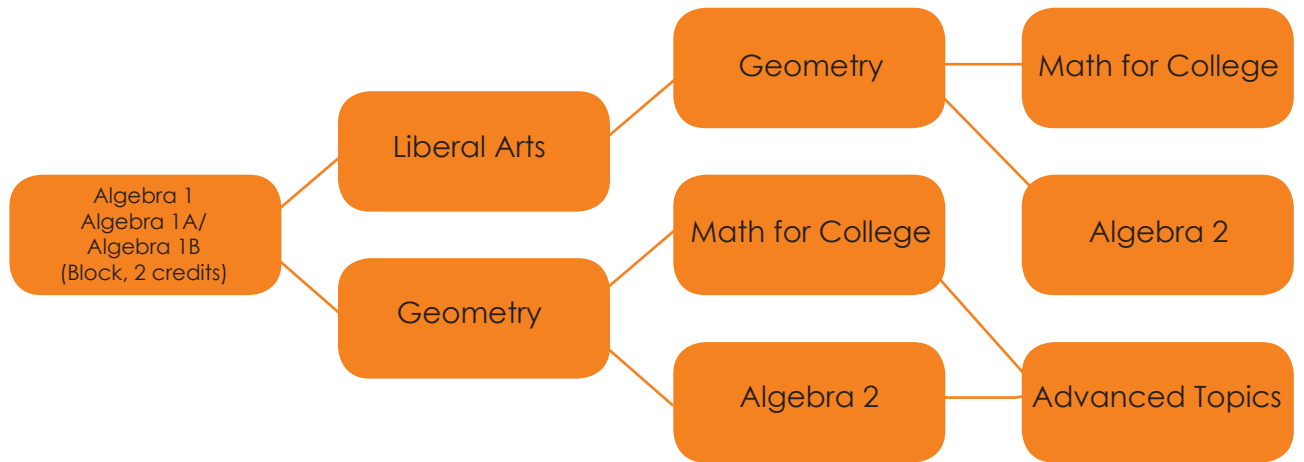
JOURNALISM 1		Grades: 9-12		1006300			Elective
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis	
1.0	N	N	N	N	Y	E	

Prerequisite(s): No Prerequisite, CTE course, Not for English credit
 This course provides instruction in basic aspects of journalism and workshop experiences in journalistic production. The content includes instruction in recognizing and writing news for journalistic media and in developing editorials, sports articles, and feature stories. In addition to written work, students receive instruction in the history and traditions of journalism as well as workshop experiences in photography, layouts, advertising, printing, and other practical aspects of journalistic enterprise. One or more student journalistic productions may be included as connected to workshop experiences.

DEBATE 1		Grades: 9-12		1007330			Elective
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis	
1.0	N	N	N	N	N	E	

Prerequisite(s): No Prerequisite
 This course provides instruction in the fundamentals of formal and informal oral communication. Major instructional areas include forms of oral communication, techniques of group discussion, techniques of effective listening, analysis of the audience, and techniques of public speaking. These courses enable students to develop and practice skills and techniques for use in debate and forensic activities.

Mathematic 4 Year Class Progressions



ALGEBRA 1 A/B		Grades: 9-10		1200370/1200380		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
2.0	N	N	N	N	N	N

Prerequisite(s): No Prerequisite

This course is offered during a block period which allows students to complete the algebra 1 curriculum over a longer period of time. This course introduces and develops the mathematical concepts and processes that are used throughout the four year high school math curriculum. Successful completion of this course satisfies graduation requirements associated with Algebra 1. Please note: Students will only receive the Algebra 1B course credit upon achieving a passing score on the Algebra 1 End-of-Course exam.

ALGEBRA 1		Grades: 9-10		1200310		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	C	N	C	N	C

Prerequisite(s): No Prerequisite

This course introduces and develops the mathematical concepts and processes that are used throughout the four year high school math curriculum. Successful completion of this course satisfies graduation requirements associated with Algebra 1. Please note: Students will only receive the Algebra 1 course credit upon achieving a passing score on the Algebra 1 End-of-Course exam.

ALGEBRA 1 Honors		Grades: 9-10		1200320		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	Y	C	N	C	N	C

Prerequisite(s): No Prerequisite

Online distance learning version of Algebra 1 Honors offered through SVA. This full year course is taken on the SHS campus.

GEOMETRY HONORS							Grades: 9-11		1206320	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	Y	C	N	C	N	C				

Prerequisite(s): Algebra I Honors or equivalent
 Online distance learning version of Geometry Honors offered through SVA. This full year course is taken on the SHS campus.

ALGEBRA 2 HONORS							Grades: 9-11		1200340	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	Y	C	N	C	N	C				

Prerequisite(s): Algebra 1 Honors and Geometry Honors or equivalent
 This course involves a rigorous study of advanced algebraic concepts and provides the foundation for Pre-Calculus and Advanced Placement Statistics or Calculus courses.
 Note: Graphing calculator suggested.

On Level
Course Progression

AICE/Honors
Course Progression

GRADE 9:

Biology
Physical Science*

Pre-AICE Biology

GRADE 10:

Biology
Chemistry
Physics

AICE Biology
Pre-AICE Chemistry
Pre-AICE Physics

GRADES 11-12:

Anatomy & Physiology
Honors

AICE Biology

AICE Chemistry

Physics
AICE Physics

Earth/Space Science

AICE Environmental
Management

Marine Science
AICE Marine Science

For MaST students:

Experimental Science I Honors**
Experimental Science II Honors**
Experimental Science III Honors**
Experimental Science IV Honors**

* Recommended for Level 1/2 Readers)

** Does not meet science graduation requirements, can be taken as elective

PHYSICAL SCIENCE							Grades: 9-12		2003310	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	C	N	C	N	C				

Prerequisite(s) No Prerequisite

The purpose of this course is to provide opportunities to study the concepts of basic chemistry, physics and earth science. The content will include, but is not limited to the following: the nature of science, structure of the atom, structure and properties of matter, chemical reactions, entropy and conservation of matter, interactions of energy and matter, the universe and planet Earth. Laboratory activities are an integral part of this course.

BIOLOGY 1							Grades: 9-12		2000310	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	C	N	C	N	C				

Prerequisite(s): No Prerequisite

This course provides students with exploratory activities, laboratory experiences and real-life applications in the biological sciences. The content includes the following concepts: nature of science, matter, energy, chemical processes of life, reproduction and communication of cells, basic study of genetics, organization, classification and taxonomy, structure, reproduction and function of plants, animals, and microorganisms, interdependence of living things, adaptations, and the impact of technology on society. Preserved animal studies may be a part of this course.

PRE-AICE BIOLOGY							Grades: 9-12		2000322	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	Y	C	N	C	N	C				

Prerequisite(s): Admission to the AICE academy

This advanced course provides integrated laboratory experiences and real-life applications in the essential processes of life. The content includes the nature of science, matter, energy, bio-chemistry, cell biology, genetics, levels of organization and classification, structure, function and reproduction of plants, animals, and microorganisms, behavior of organisms, interrelationships among organisms, biological selection, adapta- tions and changes through time. Laboratory investigations will include the use of the scientific method, measurement, observations, predic- tions, reasoning and problem solving skills. Preserved animal studies may be a part of this course.

PRE-AICE WORLD HISTORY

Grades: 9-12

1700362

Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	Y	C	N	E	N	C

Prerequisite(s): Admission to the AICE Academy

This course will focus on multiple world history events and concepts during the 19th and 20th centuries. Students will learn the skills of critical thought, analysis of arguments, and reading and writing skills necessary for future AICE humanity course work. Students will be assessed on the ability to recall, select, organize and deploy knowledge of the content. Students will also be assessed on the ability to construct historical explanations using an understanding of cause and consequence, change and continuity, similarity and difference and the motives, emotions, intentions and beliefs of people in the past. Furthermore, students will be assessed on the ability to understand, interpret, evaluate and use a range of sources as evidence, in their historical context.

World Languages

Note: while there is NO graduation requirement for a world language, most colleges/universities require at least two years of a world language. The Florida Bright Futures Scholarship program and the Florida State University System also requires 2 credits in a world language.

AMERICAN SIGN LANGUAGE						
			Grades: 9-12	0717300		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	C	N	E	N	C

Prerequisite(s): No Prerequisite

This course enables students to begin to acquire proficiency in American Sign language through a linguistic, communicative, and cultural approach to language learning. Emphasis is place on the development of re- ceptive and expressive signing skill and on the acquisition of the fundamentals of applied grammar. Cross- cultural understanding is fostered and real-life applications are empha- sized throughout the course

SPANISH 1,2						
			Grades: 9-12	0708340, 50		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	C	N	E	N	C

Prerequisite(s): No Prerequisite, Prior Level for Level 2

The purpose of this course is to introduce students to the target language and its culture and to de- velop communicative skills and cross-cultural understanding. The content includes beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing is included, as well as the fundamentals of grammar and culture.

PRE-AICE SPANISH 1,2

Grades: 9-12

0708532, 34

Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	Y	C	N	E	N	C

Prerequisite(s): Admission into the AICE Program

This course is based on the linked language skills of listening, reading, speaking, and writing, and these are built on as students progress through their studies. The syllabus also aims to offer insights into the culture and civilization of countries where the language is spoken, thus encouraging positive attitudes towards language learning and towards speakers of foreign languages.

Career And Technical Education

Students are expected to complete a CTE program along with the first CTE class that they take in 9th grade. The new merit designation on the diploma (SB1076 effective July 1, 2013) requires one or more industry certifications.



Sarasota High School



Career & Technical Education Program Sequences

Health & Wellness 8417000 CAPE ID 026	Culinary Arts 8800500 CAPE ID 028	Applied Engineering Technology 8401100 CAPE ID 033	Web Development 9001100 CAPE ID 038	Digital Design 8209600 CAPE ID 031	JAVA Development Computer Programming 9007200 CAPE ID 090	Business Management & Entrepreneurship 8301100 TBA
Health Science Anatomy & Physiology * † 8417100	Culinary Arts 1 8800510	Applied Engineering Technology 1* PA 8401110	Digital Information Technology PA > 8207310	Digital Information Technology PA > 8207310	Digital Information Technology PA > 8207310	Digital Information Technology PA > 8207310
Health Science Foundations * 8417110	Culinary Arts 2 PA 8800520	Applied Engineering Technology 2* 8401120	Foundations of Web Design * PA 9001110	Digital Design 1 PA 8209510	Foundations of Programming * 9007210	Business & Entrepreneurial Principles * 8215120
Medical Skills & Services 8400320	Culinary Arts 3 * PA 8800530	Applied Engineering Technology 3* PA 8401130	User Interface Designs * PA > 9001120	Digital Design 2* PA 8209520	Procedural Programming * 9007220	Accounting Applications 1* 8203310
Health & Wellness * 8417120	Culinary Arts 4* 8800540	Advanced Technology Applications * PA 8401900	Web Scripting Fundamentals * PA 9001130	Digital Design 3* PA 8209530	Object-Oriented Programming Fundamentals * 9007230	Legal Aspects of Business * 8215130
Cooperative Diversified Education- OJF 8300420	Cooperative Diversified Education- OJF 8300420	Cooperative Diversified Education- OJF 8300420	Cooperative Diversified Education- OJF 8300420	Cooperative Diversified Education- OJF 8300420	Cooperative Diversified Education- OJF 8300420	Cooperative Diversified Education- OJF 8300420
Health Science Directed Study 8400100	Hosp & Tourism Directed Study 8801000	Info Tech Directed Study 9000100	Info Tech Directed Study 9000100	Arts, A/V Tech Directed Study 8200400	Info Tech Directed Study 9000100	Business Education Directed Study 8200100

Emergency Medical Responder \$	ServSafe \$	Autodesk AutoCAD Inventor, Revit \$ or Solidworks \$ MSSC \$/RECF \$	Microsoft Office \$ Adobe Dreamweaver \$ Adobe Flash \$	Microsoft Office \$ Adobe Photoshop CC \$	Microsoft Office \$ Oracle Certified Associate \$	Microsoft Office \$ Quickbooks \$
<p>* Level 3 Course - .5 Honor Weight PA Practical Art - Fine Art Requirement \$ - Certification is included in the school grade calculation</p>						
<p>> Course meets the online graduation requirement † The course Health Science Anatomy & Physiology (8417100) is designated as an equally rigorous (EQ) science credit.</p>						

HEALTH SCIENCE 1		Grades: 9-12		8417100		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	Y	E

Prerequisite(s): No Prerequisite, First course

This content of this course will emphasize knowledge of anatomy and physiology, medical terminology, and representative skills of health care workers. This course will prepare students for employment as health aides, nurses aides, orderlies, or health service aides.

CULINARY ARTS 1		Grades: 9-12		8800510		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	Y	E

Prerequisite(s): No Prerequisite

The purpose of this course is to provide students with competencies basic to a cluster of occupations in the food service industry and to develop skills, knowledge, and attitude for success and advancement in a specialized occupational proficiency program. Course content includes employability skills, qualifications and career opportunities; introduction to operational procedures; characteristics and functions of types of food service establishments; safety, sanitation, security, and storage procedures; identifications, use, care and storage of commercial tools and equipment; cooking terms and vocabulary; standard and metric measurements; food preparation; and rules and regulations governing the food industry.

INTRO TO INFORMATION TECHNOLOGY		Grades: 9-12		8207310		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	Y	E

Prerequisite(s): No Prerequisite

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and the Web page design. Students will also have the opportunity to sit for the Word, Excel, and Powerpoint 2010 Industry Certification exam and become a Microsoft Certified Specialist.

ENGINEERING TECHNOLOGY 1							Grades: 9-12		8600570	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	N	E	C	Y	E				

Prerequisite(s): No Prerequisite

The purpose of this course is to provide students with a foundation of knowledge and technically oriented experiences in the study of the applications of engineering and its effect upon our lives and the choosing of an occupation. The course includes basic level I content in Engineering Technology. Students will study engineering safety and gain a basic knowledge of instruments and machines.

Health and Physical Education

ENGINEERING TECHNOLOGY 1							Grades: 9-12		8600570	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	N	N	C	N	N				

Prerequisite: No Prerequisite

Students will develop and learn healthy behaviors that will influence lifestyle choices and student health and fitness.

This course satisfies the HOPE requirement for graduation

JROTC LEADERSHIP ED/TRAINING 1		Grades: 9-12		1801300		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	E	N	E

Prerequisite(s): None for Level I, Prior level for II/IV

The purpose of this course is to enable students to develop knowledge of the history, customs, traditions, and purpose of the Army JROTC. The course includes development of basic leadership skills including leadership principles, values, and attributes. Students should master appreciation for diversity. Active learning strategies are integrated throughout the course with an emphasis on writing skills and oral communication techniques. Financial planning as well as physical fitness, diet nutrition, healthy lifestyles, awareness of substance abuse and prevention, and basic first aid measures are included. An overview of the globe and geography and basic map reading skills are incorporated. A study of the United States Constitution, Bill of Rights, responsibilities of United States citizens, and the federal justice system is also provided. Level II expands the content of Level I.

Raider Team: Cadets gain skills in camping, kayaking, backpacking, rappelling, orienteering and wilderness survival. Rangers participate in competitive tasks, physical fitness, high and low rope courses, water safety training and S.E.A.L. training. This team is very physically demanding.

Drill Team and Color Guard: Cadets learn regular and exhibition precision drills with and without rifles. Cadets also participate in color guards at parades, football games and community service events. Additionally, cadets compete in county, district and state competitions.

Rifle Marksmanship: Cadets learn Basic Rifle Marksmanship and compete with .177 CO2 powered pellet rifles. Competitive meets are also held between JROTC units throughout the county, the state, and through US Postal Matches.

TEAM SPORTS 1		Grades: 9-12		1503350		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	N	N

Prerequisite(s): No Prerequisite

Students will learn safety practices, skills, techniques, rules and strategies in selected team sports. Health-related components of fitness will be emphasized. The selected team sports may include, but not be limited to team handball, flickerball, gatorball, speedball, field hockey and track and field.

BEGINNING & INTERMEDIATE VOLLEYBALL			Grades: 9-12		1505500, 1505510	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	N	N

Prerequisite(s): None, Prior level for Intermediate level

This course will provide students with knowledge and skills in power volleyball. It will include the history, rules, terminology, skills, strategies, officiating techniques, and information on the organization and administration of volleyball activities. Students will also acquire an understanding of the physiological principles related to exercise and training and exhibit an improved or maintained level of physical fitness.

BASKETBALL			Grades: 9-12		1503310	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	N	N

Prerequisite(s): No Prerequisite

This course will provide students with opportunities to acquire in-depth knowledge and skills in basketball. Content will include techniques, strategies, rules, safety, organization and administration of basketball tournaments and other activities, and officiating techniques. Strategies of team play, individual skill acquisition, and the maintenance and/or improvement of personal fitness will be stressed

WEIGHT TRAINING 1 & 2			Grades: 9-12		1501340, 1501350	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	E	C	N	N

Prerequisite(s): No Prerequisite, Prior level for Inter. & Adv.

Students will acquire basic knowledge and skills in weight training in order to assess, develop, and maintain their own muscular strength and endurance. They will study the importance of muscular strength and endurance, the skeletal structure and muscles, biomechanical and physiological principles, nutrition and safety practices related to weight training. Cardiovascular fitness shall be emphasized in all weight training courses.

Music

General Information For Band Students

Placement in a band class is determined by the instructor. Students enrolling in instrumental courses MUST have an appropriate instrument in order to participate in class activities. The school provides a limited number of basic instruments for use by students upon receipt of a donation fee for the school year, payable in the Fall. Students using these instruments are responsible for their care and safety at all times. All band students are required to obtain appropriate black shoes and black socks. \$100.00 donation requested for band uniform rental. The money donated is used for maintenance and replacement of the uniforms. Financial assistance can be obtained for students from the Band Director. The following ensembles are performance oriented. Performances and rehearsals outside of the regular school day are REQUIRED.

BAND 1						
Grades: 9-12						
1302300						
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): Band I – previous experience playing a band instrument or by audition

Band II – previous course or by audition

The purpose of these courses is to enable students to develop technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Content will include technical skills, individual and ensemble techniques, music literacy, sight reading and ear training. Students will analyze performances, and understand and apply skills in improvisation, composition, and arranging. Students will understand the elements and characteristics of music, and the role and influence of instrumental music and musicians. They will explore connections between music and other subject areas, and demonstrate responsible participation in music activities. These courses require students to participate in extra rehearsals and performances beyond the school day.

INSTRUMENTAL ENSEMBLE 1						
Grades: 9-12						
1302460W (WIND ENSEMBLE)						
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): By audition

These courses enable students to develop performance skills on a selected instrument in a larger ensemble setting using varied high school literature. Performance techniques, music knowledge, critical analysis, and aesthetic response are emphasized. Content includes technical skills, individual ensemble techniques, music literacy, sight reading and ear training. Students will understand the elements and characteristics of music, improvisation, composition, and arranging. Students will analyze their own and others performances, and understand the role and influence of instrumental music and musicians. Responsible participation in music activities is emphasized. This course requires students to participate in extra rehearsals and performances beyond the school day.

JAZZ ENSEMBLE 1							Grades: 9-12		1302500	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	N	Y	C	N	E				

Prerequisite(s): By audition

The purpose of these courses is to enable students to develop skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. Content includes technical skills, individual and ensemble techniques, performance styles, and jazz idioms, rhythms, and articulation. Improvisation skills are emphasized. Students will compose and arrange as well as analyze literature, and their own and others performances. Students will study history and the role and influence of jazz, and contemporary music and musicians. Students will understand connections between music and musicians, and other subject areas, as well as responsible participation in music activities. This course requires students to participate in extra rehearsals and performances beyond the school day.

INSTRUMENTAL TECHNIQUES 1 (PERCUSSION)							Grades: 9-12		1302420P	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	N	Y	C	N	E				

Prerequisite(s): By audition

These courses enable students to develop performance skills on a selected instrument in a solo or small ensemble setting using varied high school literature. Performance techniques, music knowledge, critical analysis and aesthetic response are emphasized. Content includes technical skills, individual ensemble techniques, music literacy, sight reading and ear training. Students will understand the elements and characteristics of music, improvisation, composition, and arranging. Students will analyze their own and others performances, and understand the role and influence of instrumental music and musicians. Responsible participation in music activities is emphasized. This course requires students to participate in extra rehearsals and performances beyond the school day.

KEYBOARDING 1							Grades: 9-12		1301360	
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis				
1.0	N	N	Y	C	N	E				

Students build fundamental piano techniques while learning to read music, acquire and apply knowledge of basic music theory, and explore the role of keyboard music in history and culture. Beginning pianists develop skills in analytical listening and explore musical creativity in the form of basic improvisation and basic composition. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

General Information For Orchestra Students

Placement in an orchestra class is determined by the instructor. Students enrolling in instrumental courses must have an appropriate instrument in order to participate in class activities. The school provides a limited number of basic instruments for use by students upon receipt of a rental fee for the school year, payable in the Fall. Students using these instruments are responsible for their care and safety at all times. The following ensembles are performance oriented. Rehearsals and performances outside of the regular school day are REQUIRED.

ORCHESTRA 1		Grades: 9-12		1302360		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): experience playing a string instrument or Teacher Recommendation

The purpose of this course is to enable students to develop technical skills on string or other orchestra instruments through the refinement and performance of high school orchestra literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. Content includes technical skills, individual ensemble techniques, music literacy, sight reading and ear training. Students will understand the elements and characteristics of music and improvisation, composition, and arranging. Students will evaluate and analyze their own and others performances. Students will understand the role and influence of orchestral music and musicians, and connections between music and other subject areas. Responsible participation in music activities is required. This course requires students to participate in extra rehearsals performances beyond the school day.

GUITAR 1		Grades: 9-12		1301320		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

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. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

GENERAL INFORMATION FOR CHORUS STUDENTS

Since all Chorus Classes are performance oriented, students enrolling in a chorus class will be expected to participate in all rehearsals, concerts, and State Solo Ensemble Festivals as well as Florida Vocal Association's District Performance Assessments. Students and parents will be asked to a class contract. All chorus students are required to obtain black dress shoes and black socks (for boys) or black character shoes with a 2-inch heel (for girls). Uniforms will be rented from the school for \$60.00. The rental money is used for maintenance and replacement of the uniforms. Financial Assistance may be obtained for students from the chorus director. The following ensembles are performances oriented. Rehearsals and performances outside of the regular school day are REQUIRED.

CHORUS 1, HI/LO		Grades: 9-12		1303360		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): Chorus I – none, Chorus II, III, and IV-Previous course with Teacher recommendation
 The purpose of these courses is to enable students to develop individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. Content includes vocal reading and ear training. Students will understand the elements and characteristics of music, improvisation, composition, and arranging. Students will analyze their own and others performances and understand the role and influence of choral music and musicians. Connections between music and other subject areas will be made. Responsible participation in music activities is emphasized. This course requires students to participate in extra rehearsals and performances beyond the school day.

VOCAL ENSEMBLE		Grades: 9-12		1303440		
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): Audition, Teacher Recommendation.

The purpose of these courses is to enable students to develop basic performance techniques in a small ensemble setting through the study of varied high school choral literature. Emphasis will be placed on healthy and expressive signing, accurate interpretation of notation, and development of critical and aesthetic response to music. Content includes vocal production, choral performance techniques, music literacy, and sight reading and ear training. Students will understand the elements and characteristics of music, improvisation, composition, and arranging. Students will analyze their own and others performances and understand the role and influence of choral music and musicians. Connections between music and other subject areas will be made. Responsible participation in music activities is emphasized. This course requires students to participate in extra rehearsals and performances beyond the school day.

DRAWING 1 **Grades: 9-12** **0104340**

Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): none

This course provides instruction in drawing, painting, and some three dimensional arts while giving students a solid foundation in terminology and expectations for future art classes.

2D ART 1 **Grades: 9-12** **0104370**

Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): none

This course will give students the opportunity to continue with studying two dimensional art (Drawing and Painting)

3D ART 1 **Grades: 9-12** **0102300**

Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis
1.0	N	N	Y	C	N	E

Prerequisite(s): none

This course will give students the opportunity to continue studying three dimensional art through ceramics, sculptures, and other related mediums.

PRE-AICE ART AND DESIGN							Grades: 9-12	0104415
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis		
1.0	N	N	Y	N	N	E		

Prerequisite(s): Admission to the AICE Academy

The IGCSE Art and Design syllabus aims to encourage a personal response by stimulating imagination, sensitivity, conceptual thinking, powers of observation and analytical ability. Students gain confidence and enthusiasm as they develop technical skills in two and three dimensional form and composition, and are able to identify and solve problems in visual and tactile forms. Students also learn how to develop ideas from initial attempts to final solutions. An ideal foundation for further study, IGCSE Art and Design also develops a greater awareness of the role played by the visual arts in society and in history, broadening cultural

Theatre Arts

THEATRE 1							Grades: 9-12	0400310
Max Credits	Weighted	FAS/FMS	AICE	CTE	4YR/GSV	SUS Admis		
1.0	N	N	Y	N	N	E		

Prerequisite(s): No Prerequisite for Theatre I, Prior level for Theatre II

This course provides experiences in the study and practice of theatre arts and literature. Students will learn the fundamentals of theatre production which includes scenery construction, costuming, lighting, make-up, and the fundamentals of acting. Content also includes instruction in specific acting techniques and various dramatic presentations emphasizing acting theories, the practice and theory of set design, make-up, lighting, properties, and directing.

