



# **Riverview High School Program of Studies**

<https://www.sarasotacountyschools.net/riverview>



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## Helpful Links

Community Service	<a href="https://www.sarasotacountysschools.net/Page/2654">https://www.sarasotacountysschools.net/Page/2654</a>
Bright Futures Information	<a href="https://www.floridastudentfinancialaidsg.org/SAPBFMAIN/SAPBFMAIN">https://www.floridastudentfinancialaidsg.org/SAPBFMAIN/SAPBFMAIN</a>
IBDP Information	<a href="https://riverviewib.com/ib-diploma-program/">https://riverviewib.com/ib-diploma-program/</a>
IBCP Information	<a href="https://riverviewib.com/ib-career-related-programme/">https://riverviewib.com/ib-career-related-programme/</a>
IB Forms	<a href="https://riverviewib.com/forms/">https://riverviewib.com/forms/</a>
NCAA Eligibility Guide	<a href="http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/CBSA.pdf">http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/CBSA.pdf</a>

# Graduation Requirements

## Standard Diploma

<b>Subject</b>	<b>Number of Credits</b>	<b>Required Courses</b>
<b>English</b>	4 Credits	
<b>Math</b>	4 Credits	Algebra 1 and Geometry
<b>Science</b>	3 Credits	Biology
<b>Social Studies</b>	3.5 Credits	World History, US History, US Government / Economics Personal Finance and Money Management (Class of 2027 and beyond)
<b>Fine Art</b>	1 Credits	
<b>HOPE</b>	1 Credits	HOPE Class or Two Years JROTC or 2 Years Varsity Sport
<b>Electives</b>	10 Credits	
<b>Total</b>	26 Credits	
<b>Foreign Language</b>	2 Credits	Not required for graduation but is required to get into a 4-year university in Florida.
<b>State Assessments</b>		Pass grade 10 Florida Reading Assignment
<b>EOC Exams</b>		Pass Algebra 1 EOC or have a qualifying coordinate score
<b>Online Course</b>	1 Credits	
<b>GPA</b>		Unweighted GPA of 2.0

Note: Failing a graduation requirement must be made up online through Sarasota Virtual Academy, FLVS.net or, when available, through APEX during the school day. It is the responsibility of students to ensure that they are meeting all graduation requirements. Students, parents and guardians are strongly encouraged to work closely with school counselors to ensure that you are maintaining a course of study that will enable you to meet all graduation requirements

# Dual Enrollment and STC

## COLLEGE DUAL ENROLLMENT

Students who meet the prerequisites may earn high school and college credit simultaneously by taking specified dual enrollment courses. Student eligibility requirements include a 3.0/3.3 unweighted grade point average and satisfactory scores on an approved placement examination. To take a DE course on the SCF or USF campus, students must submit an SCF/USF application and test scores to the college by their designated deadline. Please consult the Guidance Pathways book on the district website under the Student/Parent tab for further details.

State College of Florida and the University of South Florida and the Sarasota County School District have an articulation agreement that permits individual high schools to establish courses, which meet state high school performance levels as well as community college standards. Upon satisfactory completion of a designated course State College of Florida or USF will award semester credit hours, which will be accepted by universities and colleges in Florida and, in many instances, institutions of higher learning outside of Florida.

## Suncoast Technical College (STC) Co-ENROLLMENT

Students who meet the pre-requisites may earn high school vocational credits toward graduation. Students will also earn credits toward certification in a vocational field. Students may apply to go to STC for their Junior and/or Senior year. Student eligibility requirements include a 2.0 un-weighted GPA, good attendance, and passing scores on the FSA and Algebra 1 EOC. Most programs are two years in length.

# Weighted Course Program

Selected courses may be offered as weighted courses. Weighted courses are provided as a challenge to the academically capable and hardworking student. These courses deal with skills and knowledge that are typically more sophisticated and advanced than that of other courses. These courses will also provide more thorough preparation for advanced work to be taken in college or other further education.

The weighted points for such courses are:

AP, IB, DE = A = 5.5; B = 4.5; C = 3.5; D = 2.5; F = 0  
PIB, Honors = A=5.0; B=4.0; C=3.0; D=2.0; F=0

**Note: The Bright Futures Scholarship Program and some colleges or universities may not assign the same weighted credit to higher-level classes. State Universities in Florida assign 1 point weight to all AP, IB, DE courses and 0.5 point weight to honors/PIB courses.**

# IB Programmes



## **PIB/INTERNATIONAL BACCALAUREATE: DP**

The IB Program is a two-year university preparatory course of study, encompassing the last two years of high school. The program was originally established to fulfill the high academic standards of an increasingly more mobile society, as well as to foster global tolerance. In recent years, the IB has become even more valuable regarding the shifting of international curriculum standards, enhanced skills needed for university success, and, humankind's growing interdependence on one another. Because the IB Program is so rigorous, Sarasota County, like most other United States school districts, offers two years of additional study as preparation for the IB Program. Students enroll in Riverview's Preparatory IB program in grades nine and ten and then are candidates to advance to IB grades eleven and twelve.



## **IB CAREER –RELATED CERTIFICATE PROGRAM: IBCP**

The IB Career-Related Certificate Program incorporates the vision and educational principals of IB into a unique program specifically developed for students who wish to engage in career-related learning. The program's framework is comprised of at least two IB courses alongside career-related studies of Business and Finance, Computer Programming, Digital Design, Engineering, JROTC, Marine Science, Music, and Theatre Arts

The program offers students the opportunity to earn college credit through the IB examination process and industry certification in their career area. Students will apply to enter the IBCP program in the spring of their sophomore year.

**Career and Technical Education Program sequences for IBCP:** Can be started in the 9<sup>th</sup> grade. Students may take pathways in the following areas:

Business and Finance, Computer Programming, Digital Design, Engineering, JROTC, Marine Science, Music, and Theatre Arts



# Language Arts

## English 1 Pre-IB

Credits: 1	Grade: 9	Weighted: Yes	Course #: 1001800
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Pre-Requisite(s): None

This course will provide academic rigor and relevance through a comprehensive curriculum based on the standards taught with reference to the unique facets of the IB. These facets include interrelatedness of subject areas, a holistic view of knowledge, intercultural awareness, embracing international issues, and communication as fundamental to learning. Instructional design must provide students with values and opportunities that enable them to develop respect for others and an appreciation of similarities and differences. Learning how to learn and how to critically evaluate information is as important as the content of the disciplines themselves.

## English 2 Pre-IB

Credits: 1	Grade: 10	Weighted: Yes	Course #: 1001810
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Pre-Requisite(s): English 1 Pre-IB

This course will provide academic rigor and relevance through a comprehensive curriculum based on the standards taught with reference to the unique facets of the IB. These facets include interrelatedness of subject areas, a holistic view of knowledge, intercultural awareness, embracing international issues, and communication as fundamental to learning. Instructional design must provide students with values and opportunities that enable them to develop respect for others and an appreciation of similarities and differences. Learning how to learn and how to critically evaluate information is as important as the content of the disciplines themselves.

## IB English Language and Literature 1

Credits: 1	Grade: 11	Weighted: Yes	Course #: 1005850
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Pre-Requisite(s): English 2

Students study a wide range of literary and non-literary texts in a variety of media. Students examine communicative acts across literary forms and text types alongside appropriate secondary readings. Students investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. Reading, writing, speaking, and thinking are all critical components of the course.

## IB English Language and Literature 2 SL (Regular/Standard)

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1005855
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Pre-Requisite(s): IB Language and Literature 1

Students study a wide range of literary and non-literary texts in a variety of media. Students examine communicative acts across literary forms and text types alongside appropriate secondary readings. Students investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. Reading, writing, speaking, and thinking are all critical components of the course.

### **IB English Language and Literature 3 HL (Accelerated)**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 10058556
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Pre-Requisite(s): IB Language and Literature 2

Students study a wide range of literary and non-literary texts in a variety of media. Students examine communicative acts across literary forms and text types alongside appropriate secondary readings. Students investigate the nature of language itself and the ways in which it shapes and is influenced by identity and culture. Reading, writing, speaking, and thinking are all critical components of the course.

### **ESOL English**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1002380
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Pre-Requisite(s): Limited English Proficiency-Non-English Speakers (NES) and limited English Speakers

This is a remedial course designed for students scoring Level 1 or 2 on the Florida State 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.

## **Language Arts Electives**

### **Journalism 1 (Newspaper)**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1006300
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Pre-Requisite(s): None

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. Students have an opportunity to have their work published in the online Ram Page at ram-page.net. Meets the Fine Art Requirement.

### **Journalism 2 (Newspaper)**

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 1006310
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Pre-Requisite(s): Journalism 1

This course builds upon foundational 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 experience.

### **Journalism 3 (Newspaper)**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 1006320
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Pre-Requisite(s): Journalism 2

This course includes instruction and practice in applying all aspects of the writing process including prewriting, drafting, editing and proofreading to the work prepared in order to bring it to high journalistic standards. Organization and management techniques relating to journalistic productions are stressed, including leadership skills, record keeping, time management, utilization of personnel and task organization. Workshop experiences in producing various kinds of journalism are provided.

### **Journalism 4 (Newspaper)**

Credits: 1	Grade: 12	Weighted: No	Course #: 1006330
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Pre-Requisite(s): Journalism 3

This course includes instruction in writing, designing, and managing journalistic enterprises. The emphasis in the course is upon implementing students' creative skills and talents in writing, graphic design and/or photography, and in providing regular practice in management skills and production techniques in printed journalistic media. The course provides opportunities to develop proficiency in various forms of journalistic writing using the production of one or more student journalism project.

### **Journalism 1,2,3,4 (Yearbook)**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1006300Y
Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 1006310Y
Credits: 1	Grade: 11, 12	Weighted: No	Course #: 1006320Y
Credits: 1	Grade: 12	Weighted: No	Course #: 1006330Y

Pre-Requisite-Application must be completed

Our yearbook (The Tartan) class is made up of a diverse group of freshmen, sophomores, juniors, and seniors. Tartan team members work collaboratively to produce an award-winning yearbook. Team members are responsible for taking pictures, layouts, writing stories and captions, marketing, advertising, sales, and distribution. In reality, Tartan team members are running a small business with over \$75,000 in expenses per year. This class is a great way to learn about RHS and get to know students and staff. You may take this course more than one year. This course looks great on a college or employment application. Bring your creativity and enthusiasm. Meets Fine Art Requirement.

### **Speech 1**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1007305
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Pre-Requisite(s): None

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.

### **Speech 2**

Credits: 0.5	Grade: 10, 11, 12	Weighted: No	Course #: 1007315
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Pre-Requisite(s): Speech 1

This course is a continuation of Speech I. It provides instruction in the fundamentals of formal and informal oral communications. Instructional areas include formal speeches, formal class discussion, debate activities, and utilizing oral interpretation skills.



**Debate 1**

Credits: 0.5	Grade: 9,10, 11, 12	Weighted: No	Course #: 1007330
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Pre-Requisite(s): None

This course is focused on the use of correct and effective language and organizational skills in preparing, delivering, and evaluating argument and debate. Students will critique debates, paying attention to content, organization, language, delivery style, and produce and present well-structured, developed arguments, applying oral communication concepts and strategies for public debate in a variety of given settings.

<b>Debate 2</b> Credits: 0.5	Grade:10, 11, 12	Weighted: No	Course #: 1007340
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Pre-Requisite(s): Debate 1

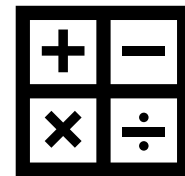
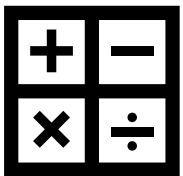
This course is focused on the continued use of correct and effective language and organizational skills in preparing, delivering, and evaluating argument and debate. Students will critique debates paying attention to content, organization, language, and delivery style, and produce and present well-structured developed arguments, applying oral communication concepts and strategies for public debate in a variety of given settings.

**Intensive Language Arts**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1000400
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Pre-Requisite(s): None

This is a remedial course designed for students scoring Level 1 or 2 on the Florida State 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 for elective credit.



# Mathematics

## Foundational Skills in Mathematics 9 – 12

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1200400
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\*Note that this course does not count as a math credit. It is an ELECTIVE.\*

Pre-Requisite(s): None

This course supports students who need additional instruction in foundational mathematics skills as it relates to core instruction. Instruction will use explicit, systematic, and sequential approaches to mathematics instruction addressing all strands including number sense & operations, algebraic reasoning, functions, geometric reasoning and data analysis & probability.

## Algebra 1A

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1002370
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Pre-Requisite(s): None

This is the first credit of a two-credit Algebra I sequence. The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems using concrete models to explain algebraic concepts. Instructional time will emphasize four areas: (1) extending understanding of functions to linear functions and using them to model and analyze real-world relationships; (2) solving linear equations and inequalities in one variable and systems of linear equations and inequalities in two variables; (3) building linear functions, identifying their key features and representing them in various ways and (4) representing and interpreting categorical and numerical data with one and two variables. Manipulatives, calculators, and computers will serve as instructional tools in concept development. **Algebra IA meets 1.0 credit for math graduation requirements, but only 0.5 credit for entrance into the state university system or Bright Futures Scholarship Program.**

## Algebra 1B

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1002380
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Pre-Requisite(s): Algebra 1A

This is the second credit of a two-credit Algebra I sequence. The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real world and mathematical problems using concrete models to explain algebraic concepts. Instructional time will emphasize four areas: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variables and (4) building functions, identifying their key features and representing them in various ways. Manipulatives, calculators, and computers will serve as instructional tools in concept development. Credit in Algebra IA and Algebra IB precludes credit in Algebra I and Algebra I Honors. **Algebra IB meets 1.0 credit for math graduation requirements, but only 0.5 credit for entrance into the state university system or Bright Futures Scholarship Program.**

## Algebra 1

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1200310
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Pre-Requisite(s): None

This course is a study of the topics of Algebra I designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematic problems. Instructional time will emphasize five area: (1) performing operations with polynomials and radicals, and extending the Laws of Exponents to include rational exponents; (2) extending understanding of functions to linear, quadratic and exponential functions and using them to model and analyze real-world relationships; (3) solving quadratic equations in one variable and systems of linear equations and inequalities in two variables; (4) building functions, identifying their key features and representing them in various ways and (5) representing and interpreting categorical and numerical data with one and two variables. Calculators and computers will serve as instructional tools in concept development. Credit in Algebra I precludes credit in Algebra IA and Algebra IB, Algebra I Honors

## Geometry

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1206310
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Pre-Requisite(s): Algebra 1 or Equivalent

The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. Instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry. Manipulatives, calculators and computers will serve as instructional tools in concept development. This class is a graduation requirement. Geometry is a reasoning class, learning the "why" certain things happen and proving it.

## Geometry Honors

Credits: 1	Grade: 9, 10, 11, 12	Weighted: Yes	Course #: 1206320
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Pre-Requisite(s): Algebra 1 or Equivalent and Teacher Recommendation

This course is designed to give a rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. Instructional time will emphasize five areas: (1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry; (2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations; (3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures; (4) creating and applying equations of circles in the coordinate plane and (5) developing an understanding of right triangle trigonometry. Calculators and computers will serve as instructional tools in concept development.

## Algebra 2

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1200330
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Pre-Requisite(s): Algebra 1 or Equivalent

This course is designed to continue the study of the structure of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. Instructional time will emphasize five areas: (1) extending arithmetic operations with algebraic expressions to include radical and rational expressions and polynomial division; (2) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (3) building functions using compositions, inverses and transformations; (4) extending systems of equations and inequalities to include non-linear expressions and (5) developing understanding of the complex number system, including complex numbers as roots of polynomial equations. Calculators and computers will serve as instructional tools in concept development.

## Algebra 2 Honors

Credits: 1	Grade: 9, 10, 11, 12	Weighted: Yes	Course #: 1200430
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Pre-Requisite(s): Algebra 1 or Equivalent and Teacher Recommendation

This course is a rigorous in-depth study of the topics of Algebra II with emphasis on theory, proof, and development of formulas, as well as their application. Instructional time will emphasize six areas: (1) developing understanding of the complex number system, including complex numbers as roots of polynomial equations; (2) extending arithmetic operations with algebraic expressions to include polynomial division, radical and rational expressions; (3) graphing and analyzing functions including polynomials, absolute value, radical, rational, exponential and logarithmic; (4) extending systems of equations and inequalities to include non-linear expressions; (5) building functions using compositions, inverses and transformations and (6) developing understanding of probability concepts. Calculators and computers will serve as instructional tools in concept development.

## Mathematics for College Algebra

Credits: 1	Grade: 11, 12	Weighted: No	Course #: 1200710
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Pre-Requisite(s): Algebra 2 and Geometry

The purpose of this course is to strengthen the skill level of high school students who have completed Algebra I, and Geometry and who wish to pursue a deeper understanding of algebraic concepts. Instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition. Calculators and computers will serve as instructional tools in concept development.

### **Mathematics for Data and Financial Literacy**

Credits: 1	Grade: 11, 12	Weighted: No	Course #: 1200384
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Pre-Requisite(s): Geometry and Mathematics for College Algebra or Equivalent

This course is intended for upperclassmen who would like to extend their understanding of accounting, finances, and data analysis. 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. Calculators and computers will serve as instructional tools in concept development. Requires a passing grade in Algebra 2.

### **AP Pre-Calculus**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 1202305
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Pre-Requisite(s): Algebra 2 or Equivalent and Teacher Recommendation

This course prepares students for other college level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multi representations. The course framework delineates content and skills common to college Pre-Calculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, data science.

### **AP Calculus AB**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 1202310
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Pre-Requisite(s): AP Pre-Calculus and Teacher Recommendation

This course is designed to offer students college-level mathematics under the guidelines of the Advanced Placement Program. The focus is on preparation for the Calculus Level AB Test given by the College Examination Board in May. Study will begin by reviewing function definitions, absolute value, and elementary functions from prerequisites. Calculators and computers will serve as instructional tools in concept development.

### **AP Calculus BC**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 1202320
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Pre-Requisite(s): AP Calculus AB or AP Pre-Calculus and Teacher Recommendation

This course is designed to offer students college-level mathematics under the guidelines of the Advanced Placement Program. The focus is on preparation for the Calculus Level BC Test given by the College Examination Board in May. Study will begin by reviewing function definitions, concepts of limits to functions, and derivatives of algebraic, trigonometric, exponential and logarithmic functions. Calculators and computers will serve as instructional tools in concept development. Students cover Calculus 1 and 2 in this one course.

**IB Mathematics: Applications and Interpretations 1 SL**

Credits: 1	Grade: 11, 12	Weighted: YES	Course #: 1209300
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Pre-Requisite(s): Algebra 2 or Equivalent and Teacher Recommendation

The IB DP Mathematics: applications and interpretations course recognize the increasing role that mathematics and technology play in a diverse range of field in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications for mathematical modelling. To give this understanding a firm base, this course includes topics that are traditionally part of a pre-university mathematics course such as Calculus and Statistics. Students are encouraged to solve real world problems, construct, and communicate this mathematically and interpret the conclusions or generalizations. Students should expect to develop strong technology skills and will be intellectually equipped to appreciate the links between the theoretical and the practical concepts in mathematics. All external assessments involve the use of technology. Students are also encouraged to develop the skills needed to continue to develop their mathematical growth and other learning environments. The internally assessed exploration allows students to develop independence in mathematical learning. Through out the course students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. This is part one of a two-year progression.

**IB Mathematics: Applications and Interpretations 2 SL**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1209305
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Pre- Requisite: IB Mathematics: Applications and Interpretations 1 SL

The IB DP Mathematics: applications and interpretation course recognize the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. To give this understanding a firm base, this course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. Students are encouraged to solve real-world problems, construct and communicate this mathematically and interpret the conclusions or generalizations. Students should expect to develop strong technology skills and will be intellectually equipped to appreciate the links between the theoretical and the practical concepts in mathematics. All external assess. involve the use of technology. Students are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments. The internally assessed exploration allows students to develop independence in mathematical learning. Throughout the course students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas. This is part 2 of a two-year progression.

### **IB Mathematics: Analysis and Approaches SL**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1202810
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Pre-Requisite: AP Calculus AB and Teacher Recommendation

The IB DP Mathematics: analysis and approaches course recognize the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent and rigorous way, achieved by a carefully balanced approach. Students are encouraged to apply their mathematical knowledge to solve abstract problems as well as those set in a variety of meaningful contexts. Mathematics: analysis and approaches have a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure and should be intellectually equipped to appreciate the links between concepts in different topic areas. Students are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments. The internally assessed exploration allows students to develop independence in mathematical learning. Throughout the course students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas.

### **IB Mathematics: Analysis and Approaches HL**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1201335
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Pre-Requisite: AP Calculus BC and Teacher Recommendation

The IB DP Mathematics: analysis and approaches course recognize the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. Students are encouraged to apply their mathematical knowledge to solve abstract problems as well as those set in a variety of meaningful contexts. Mathematics: analysis and approaches have a strong emphasis on the ability to construct, communicate and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure and should be intellectually equipped to appreciate the links between concepts in different topic areas. Students are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments. The internally assessed exploration allows students to develop independence in mathematical learning. Throughout the course students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas

### **AP Statistics**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 1210320
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Pre-Requisite(s): Algebra 2, proficiency in FSA Reading, and Teacher Recommendation

The purpose of this course is to offer students college-level mathematics under the guideline of the advanced placement program. The focus is on preparation for the statistics test given by the College Examination Board. Topics of study will include exploring data using measurement in planning a study, producing models using probability and simulation to anticipate patterns, and statistical interference. Calculators and computers will serve as instructional tools in concept development.



# Science

## Environmental Science

Credits: 1	Grade: 9	Weighted: No	Course #: 2001340
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Pre-Requisite(s): None

This course provides a study of man’s interaction with the environment. The content includes forms of pollution, conservation, environmental planning and policy, public land usages, population dynamics and major forms of energy. Laboratory investigations include the use of the scientific method, measurement, laboratory apparatus, and safety.

## Earth and Space Science

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 2001310
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Pre-Requisite(s): Environmental Science

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedure and safety procedures are an integral part of this course. Course content includes the study of the Big Bang Theory of the origin of the universe, the physical properties of stars and the sun, the formation of planetary systems, connections through physical principles, including Kepler’s and Newton’s Laws about the relationships and the effects of earth and moon, and the broad effects of space exploration on the economy and culture of Florida.

## Biology 1

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 2000310
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Pre-Requisite(s): None.

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-IB Biology

Credits: 1	Grade: 9, 10, 11, 12	Weighted: Yes	Course #: 2000800
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This course provides rigorous, accelerated exploratory experiences and enriched laboratory activities in the essential processes of life. Related earth/space topics are included. The content includes theories of the universe and life; biological, geological and ecological changes through time; classification of minerals and living systems; and the chemical and cellular biological study of living animals and plants. Some preserved animal studies may be part of this course.



### **AP Biology**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 2000340
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Pre-Requisite(s): Biology 1 and Algebra 2

This college-level course seeks to prepare the student for credit and/or appropriate placement in college biology courses. The content includes molecular and cellular biology, organismal, and populational biology. Selected laboratory investigations include the use of the scientific method, measurement, laboratory apparatus, and safety. Preserved animal studies may be a part of this course.

### **IB Biology 1**

Credits: 1	Grade: 11	Weighted: Yes	Course #: 2000805
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Pre-Requisite(s): Biology 2 and Teacher Approval

Biologists investigate the living world at all levels from molecular construction to complex metabolic reactions using many different approaches and techniques. Students will have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings and develop scientific reading and writing skills.

### **Pre-IB Chemistry**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 2003800
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Pre-Requisite(s): Algebra 1

This course provides a rigorous study of the composition, properties and changes associated with matter. Content includes heat, changes of matter, atomic structure, bonding, formulas and equations, mole concepts, gas laws, energy and order, reaction rates and equilibrium, solutions and electrochemistry. Challenging laboratory investigations and math concepts are integral to this course. A good understanding of mathematic concepts is recommended.

### **AP Chemistry**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2003370
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Pre-Requisite(s): Chemistry and Algebra 2

This college-level course in chemistry seeks to prepare the student for credit and/or appropriate placement in college chemistry courses. The content includes the structure and states of matter, chemical reactions, and descriptive chemistry. Selected laboratory investigations include the use of the scientific method, measurement, laboratory apparatus, and safety.

### **IB Chemistry 1**

Credits: 1	Grade: 11	Weighted: Yes	Course #: 2003805
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Pre-Requisite(s): Chemistry 1, Algebra 2 and Teacher Approval

Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. Students have opportunities to design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings.

### **Astronomy Honors**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 2020910
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Pre-Requisite(s): Geometry

This course provides rigorous application of concepts basic to the earth, its materials, processes, and environment in space. The content includes the universe and solar system; the development of stars; the earth-moon system; space exploration; the sun as a representative star; historical astronomy; astronomical instruments; astronomical coordinate systems.

### **IB Astronomy**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2001810
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Pre-Requisite(s): Astronomy Honors and Teacher Approval

IB Astronomy is a course open to students upon the approval of the instructor. It is a course that follows a depth of study an international-mindedness, and varied assessments common to all IB courses. Among the aims of the course: promote understanding of scientific ideas used to describe the birth, life and death of stars (from mass to large mass): develop understanding of how the solar system formed, how the Earth has developed and how we are presently looking for other intelligence in the universe: understand the basic properties of galaxies, understand their nomenclature and know how their study leads to the discovery of dark matter, raise awareness of the present ideas on the birth, life and death of the universe, including the importance of redshift and the cosmic background.

### **Anatomy and Physiology Honors**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 2000360
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Pre-Requisite(s): Biology 1

This advanced course provides exploratory activities in the structure and function of the components of the human body. The content includes anatomical terminology, cellular biology, histology, homeostasis, immune response, organization and interrelatedness of major body systems, sensory function, and human disorders. Laboratory investigations focus on the use of the scientific method, measurement, laboratory apparatus, and safety. Preserved animal studies may be a part of the laboratory experience.

### **Physics 1 Honors**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2003390
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Pre-Requisite(s): Algebra 2

This advanced course provides a rigorous study of the concepts, theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes kinematics, dynamics, energy, work and power, heat and thermodynamics, waves, light, electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics include the use of the scientific method, measurement, laboratory apparatus, and safety.

### **AP Physics**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 2003430
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Pre-Requisite(s): Physics 1, Calculus and Teacher Approval

This college-level course in physics seeks to prepare students for credit and/or appropriate placement in college physics courses. Classroom instruction for the Newtonian Mechanics portion of the Physics C exams focuses on the following concepts: kinematics, Newton's Law of motion, energy, power, systems of particles, linear momentum, circular motion, rotation, oscillations and planetary motion / gravitation.

### **Nuclear Radiation Honors**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 2020710
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Pre-Requisite(s): Algebra 1

This course provides students with a practical opportunity to investigate the nature and current use of nuclear radiation and radioactive isotopes within the context of modern society.

### **IB Environmental Systems and Societies**

Credits: 1	Grade: 11,12	Weighted: Yes	Course #: 2001370
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Pre-Requisite(s): Teacher Approval

This course provides students with a coherent perspective of the interrelationships between environmental systems and societies; one that enables them to adopt an informed personal response to the wide range of pressing environmental issues that they will inevitably come to face.

## **Marine Science Progression**

### **Marine 1 Honors**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 2002510
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Pre-Requisite(s): Biology 1

This advanced course provides an in-depth study of the physical chemical and biological aspects of the marine environment. The content includes the origins of the oceans, marine geological studies, ecology of the sea zones, diversity of marine organisms, characteristics of the major marine ecosystems including the phyla and divisions, and the interrelationship between man and the ocean. Laboratory investigations will include the use of the scientific method, measurement, laboratory and apparatus and safety procedures. Preserved specimens may be a part of this course.

### **IB Marine Science 2**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2002810
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Pre-Requisite(s): Marine Science H, Biology 1 and Teacher Approval

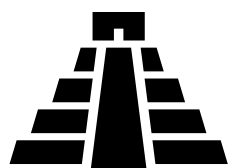
The nature of marine science is multidisciplinary as it encompasses natural sciences including biology, chemistry, physics, geology, and meteorology, as well as social sciences such as geography, economics, politics and history. El Niño, fishing rights, global warming, coral bleaching, ocean pollution, storm & tsunami preparedness and oil exploration are among the many current international issues that revolve around the oceans. The study of marine science lends itself very well to hands-on work and consequently is easily carried out in a coastal location where there will be many opportunities for practical work both in the field and in the laboratory. In addition, topics in physical oceanography lend themselves to the use of ocean modeling and analysis of satellite imagery which may be studied anywhere. In all practical work, students are encouraged to develop an appreciation for the question, how do we know what is true? This question invites an essential of experimental sciences, verification. The technologies used in marine science make these questions especially pertinent. This is an IB course and as such consists of internal assessments and final papers. A commitment to achievement is imperative.

### Stars to Starfish

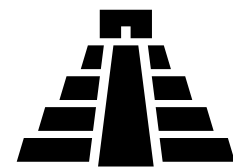
Credits: 1	Grade: 12	Weighted: N	Course #: 0500320/30
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Prerequisite(s): Biology, Marine Science 1 Honors, IB Marine, Completion of application

The Stars to Starfish internship program is part of the IB Marine Career Pathway and is the capstone course in the Marine Science sequence. This course is an experiential science course designed to prepare students for integrated careers in science, technology, engineering, art, and mathematics (STEAM). Students build skills in public communication, education, leadership, while experiencing real-world scientific research with Mote Marine Laboratory scientists. Students explore the ocean environment, while leading field trip experiences for 5000 elementary students each year, through the Planetarium and the Aquadome.



# Social Studies



### World History

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 2109310
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Pre-Requisite(s): None

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

### World History Honors

Credits: 1	Grade: 9, 10, 11, 12	Weighted: Yes	Course #: 2109320
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Pre-Requisite(s):

World History is a year-long required survey course that explores the key events and global historical developments since 1350 A.C.E. that have shaped the world we live in today. The scope of Modern World History provides the latitude to range widely across all aspects of human experience: economics, science, religion, philosophy, politics & law, military conflict, literature & the arts. The course will illuminate connections between our lives and those of our ancestors around the world. Students will uncover patterns of behavior, identify historical trends and themes, explore historical movements and concepts, and test theories. Students will refine their ability to read for comprehension and critical analysis; summarize, categorize, compare, and evaluate information; write clearly and convincingly; express facts and opinions orally; and use technology appropriately to present information.

### **AP World**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: Yes	Course #: 2109420
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Pre-Requisite(s): None

The purpose of this course is to enable students understand the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. The purpose of this course is to give students a knowledge of the patterns and interactions of people and the environment throughout all of history across the globe.

### **IB World Religions**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2105890
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Pre-Requisite(s): None

A systematic, analytical yet empathetic study of the variety of beliefs and practices encountered in nine main religions of the world. The course seeks to promote an awareness of religious issues in the contemporary world by requiring the study of a diverse range of religions.

### **US History**

Credits: 1	Grade: 11,12	Weighted: No	Course #: 2100310
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Pre-Requisite(s): None

The purpose of this course is to enable students to understand the development of the United States within the context of history with a major focus on the post-Reconstruction period. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

### **US History Honors**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2100320
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Pre-Requisite(s): None

The purpose of this course is to enable students to understand the development of the United States within the context of history with a major focus on the post-Reconstruction period. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

### **AP US History**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #:2100330
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Pre-Requisite(s): None

The purpose of this course is to trace the development of the United States within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, political processes, religion ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

## **US Government**

Credits: 0.5	Grade: 12	Weighted: No	Course #:2106310
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Pre-Requisite(s): None

The purpose of this course is to enable students to gain an understanding of American government and political behavior that is essential for effective citizenship and active involvement in a democratic American society.

## **US Government Honors**

Credits: 0.5	Grade: 12	Weighted: Yes	Course #: 2106320
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Pre-Requisite(s): None

The purpose of this course is to enable students to gain an understanding of American government and political behavior that is essential for effective citizenship and active involvement in a democratic American society.

## **AP US Government**

Credits: 0.5	Grade: 12	Weighted: Yes	Course #:2106420
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Pre-Requisite(s): None

The purpose of this course is to give students a critical perspective on politics and government in the US. This course involves both the study of general concepts used to interpret American politics, and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality

## **Economics**

Credits: 0.5	Grade: 12	Weighted: No	Course #:2102310
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Pre-Requisite(s): None

The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, 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.

## **Economics Honors**

Credits: 0.5	Grade: 12	Weighted: Yes	Course #: 2102320
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Pre-Requisite(s): None

Economics is the study of choice and human behavior. It is a dynamic social science, forming part of the study of individuals and societies. Economics is a broad subject area in that it incorporates elements of history, human geography, sociology, politics, mathematics, diagram analysis, and many other related fields of study. Fundamental concepts of study include scarcity, markets, the role of government, sustainability, sources of economic instability, fiscal and monetary policy, and international trade. Economic concepts and theories have broad application to everyday life and in this course, we strive to make real-world connections whenever possible.

## **AP Macroeconomics**

Credits: 0.5	Grade: 12	Weighted: Yes	Course #: 2102370
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Pre-Requisite(s): None

The purpose of this course is to enable students the opportunity to analyze the functioning of the economy as a whole, including total output and income, level of employment, the level of prices, and the determinants of aggregate supply and demand.

## Social Studies Electives

### Personal Finance and Money Management

Credits: 0.5	Grade: 9,10, 11,	Weighted: No	Course #: 2102371
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Pre-Requisite(s): None

This is a graduation requirement for the class of 2027 and beyond.

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

### AP Psychology

Credits: 1	Grade:10, 11, 12	Weighted: Yes	Course #: 2107350
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Pre-Requisite(s): Level 3 on Reading FSA

The is a college-level course, and the purpose of this course is to provide students a systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists used in their science practice. The content should include, but not be limited to the following: methods, biological basis of behavior, sensation and perception, stated on consciousness, learning cognition, motivation emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders and social psychology. There is a major exam at the end of the course in May that cover all the class content including 100 multiple choice questions and 2 free response questions (essays.)

### IB Psychology 1 (SL)

Credits: 1	Grade: 11	Weighted: Yes	Course #: 2107820
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Pre-Requisite(s) – None

This course is an introduction to 3 different approaches to understanding behavior: the biological, cognitive, and social cultural approaches. Students study and critically evaluate the knowledge, concepts, theories, and research that have developed the understanding in these fields. The course focuses on areas of applied psychology, abnormal psychology, developmental psychology, health psychology and the psychology relationships.

### IB Psychology 3 (HL)

Credits: 1	Grade: 12	Weighted: Yes	Course #: 2107820
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Pre-Requisite(s): AP Psychology

The purpose of this course is to provide students a systematic and scientific study of the behavior and mental processes. Psychology has its roots in both the natural and social sciences, leading to a variety of research designs and applications and providing a unique approach to understanding modern society. IB psychology examines the interaction of biological, cognitive and sociocultural influences on human behavior, thereby adopting an integrative approach. Understanding how psychological knowledge is generated, developed and applied enables students to achieve a greater understanding of themselves and appreciate the diversity of human behavior. The ethical concerns raised by the methodology and application of psychological research are key considerations in IB psychology.

### **IB Global Politics**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 2106855
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Pre-Requisite(s): Teacher Approval

This course is for student who want to understand how the world they live in works and what makes it change (or prevents from changing) The course draws on a variety of disciplinary traditions in the study of politics and international relations, and more broadly on the social sciences and humanities. Students build knowledge and understanding of the local, national, international and global dimensions of political activity and processes by critically engaging in contemporary political issues and challenges.

### **Law Studies**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 2106350
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Pre-Requisite(s): None

The purpose of this course is to provide students an understanding of the American legal system as the foundation of American Society by examining those laws which have an impact on citizen's lives and an introduction to fundamental civil and criminal justice procedures. Content should include the need for law, the basis for our legal system, civil and criminal law, adult and juvenile courts, family and consumer law, causes and consequences of crime, individual rights and responsibilities and career opportunities in the legal system.

### **African American History**

Credits: 0.5	Grade: 10, 11, 12	Weighted: No	Course #:2100335
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Pre-Requisite(s): None

The African American experience spans four hundred years, from the initial settlement of the American continent by Europeans and the establishment of the trans-Atlantic slave trade, and down through the present day. Throughout their sufferings and ordeals, the people of African descent who were brought involuntarily to this country found the courage and creativity to "make themselves." They constructed their own unique rituals, traditions and symbols; a distinct spirituality, music, art, dance and folklore; a rich cultural heritage, kinship and community. In effect, black Americans made their own history, although not always in the way they chose, because they were encumbered by the constraints of institutional racism. The course is organized chronologically, with an emphasis on the ideas of black social thought, political protest and efforts to initiate social change.

### **Holocaust**

Credits: 0.5	Grade: 10, 11, 12	Weighted: No	Course #: 2109430
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Pre-Requisite(s): Requires Approval

The history of the Holocaust (1933-1945), the systematic planned annihilation of European Jews and other groups by Nazi Germany, a watershed event in the history of humanity, to be taught in a manner that leads to an investigation of human behavior, an understanding of the ramifications of prejudice, racism, and stereotyping, and an examination of what it means to be a responsible and respectful person, for the purposes of encouraging tolerance of diversity in a pluralistic society and for nurturing and protecting democratic values and institutions.



### **AP European History**

Credits: 1	Grade: 10,11, 12	Weighted: Yes	Course #:2109380
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Pre-Requisite(s): None

The purpose of this course is to learn the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

### **AP Human Geography**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #:2103400
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Pre-Requisite(s): None

The purpose of this course is to enable students to the systematic study of patterns and processes that shaped human understanding, use, and alteration of the Earth's surface. Students will 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. In AP Human Geography students cultivate their understanding of human geography through data and geographic analyses as they explore topics like population, migration, culture, language, religion, ethnicity, agriculture, and industry. They will also explore patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.



# **World Language**

### **German 1**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 0702320
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Pre-Requisite(s): None

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

### **German 2**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #:0702330
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Pre-Requisite(s): German 1

This course reinforces the fundamental skills previously acquired by the students. The content includes listening, speaking, reading, and writing skills as well as cultural awareness; and expansion of the listening and oral skills acquired in German I. Reading receives more emphasis, while oral communication remains the primary objective. This course continues the cultural survey of German speaking people.

### **German 3 Honors**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #:0702340
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Pre-Requisite(s): German 2

The purpose of this course is to master and expand the skills previously acquired by the students. The content includes expansion of vocabulary and conversational skills through discussions based on selected readings. Students analyze reading selections to strengthen grammatical concepts. The course focuses on the contemporary vocabulary of German speaking people.

### **German 4 Honors**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 0702350
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Pre-Requisite(s): German 3

The purpose of this course is to expand the skills previously acquired by the students. The content includes more advanced language structures and idiomatic expressions with an emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes which include writing. Reading selections will vary.

### **Spanish 1**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 0708340
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Pre-Requisite(s): None

The purpose of this course is to introduce students to the target language and its culture and to develop 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.

### **Spanish 2**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 0708350
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Pre-Requisite(s): Spanish 1 or Placement Test

The purpose of this course is to reinforce the fundamental skills acquired previously by the students. This course develops increased listening, speaking, reading and writing skills as well as cultural awareness. The content includes an expansion of listening and oral skills. Reading and writing receive more emphasis while oral communication remains the primary objective. This course continues the cultural survey of Spanish speaking people.

### **Spanish 3 Honors**

Credits: 1	Grade: 9,10, 11, 12	Weighted: Yes	Course #: 0708360
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Pre-Requisite(s): Spanish 2 or a Placement Test

Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people. Students should have a high C or higher in Spanish 2 and a recommendation from their Spanish 2 Teacher to take this course.

### **Spanish 4 Honors**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 0708370
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Pre-Requisite(s): Spanish 3 or Placement Test

The purpose of this course is to extend the skills previously acquired by the students. The content includes more advanced language structures and idiomatic expressions, with emphasis on conversational skills. Composition skills are enhanced by using correct language structures. Reading selections vary. Students should have a high C or above in Spanish 3 and must receive a recommendation from their Spanish 3 Teacher to take this course. A heritage speaker may take a placement test to qualify for this course.

### **AP Spanish Language**

Credits: 1	Grade: 11,12	Weighted: Yes	Course #: 0708400
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Pre-Requisite(s): Spanish 3 or higher and Teacher Recommendation

The purpose of this course is to develop oral, written, reading, and listening fluency in the Spanish language. Also, add: Students are required to take a placement test and must receive approval from the World Language Department Head in order to take this course. The content includes the requirements of the Advanced Placement program guidelines. Students study the language and culture of the Spanish speaking world.

### **IB Spanish Language & Literature 1**

Credits: 1	Grade: 11	Weighted: Yes	Course #: 0708895
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Pre-Requisite(s): Teacher Recommendation

This course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non- literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption.

### **IB Spanish Language & Literature 3 (HL)**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 0708897
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Pre-Requisite(s): Teacher Recommendation

This course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non- literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption.

### **American Sign Language 1**

Credits: 1	Grade: 11	Weighted: No	Course #: 0717300
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Pre-Requisite(s): None

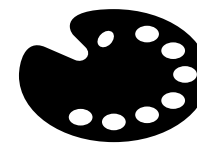
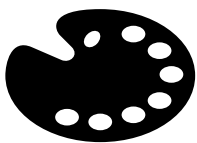
This course enables students to begin to acquire proficiency in American Sign Language through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of receptive and expressive signing skill and on the acquisition of the fundamentals of applied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

### **American Sign Language 2**

Credits: 1	Grade: 12	Weighted: No	Course #: 0717310
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Pre-Requisite(s): American Sign Language 1

This course reinforces the fundamental skills previously acquired by students in American Sign Language I. there is a continued emphasis on the development of receptive and expressive signing skills and on the acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized through the course objective.



# Visual Arts

## 2D Studio Art 1

Credits: 1	Grade: 9, 10, 11,12	Weighted: No	Course #: 0101300
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Pre-Requisite(s): None

This course enables students to develop fundamental perceptual, observational, and compositional skills to create and communicate a range of subject matter, symbols, ideas, and concepts. Content includes basic knowledge of two-dimensional design and using painting and drawing media such as pencil, ink, tempera, and acrylic. Color theory will be emphasized. Students will be introduced to vocabulary and techniques specific to drawing and painting.

## 2D Studio Art 2

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 0101310
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Pre-Requisite(s): 2D Studio Art 1

This course enables students to develop fundamental perceptual, observational, and compositional skills to create and communicate a range of subject matter, symbols, ideas, and concepts. Content includes basic knowledge of two-dimensional design and using painting and drawing media such as pencil, ink, tempera, and acrylic. Color theory will be emphasized. Students will be introduced to vocabulary and techniques specific to drawing and painting. Students develop a higher level of perceptual, observational, and compositional skills necessary to create and communicate a range of subject matter, symbols, ideas, and concepts using a wide range of drawing and painting media techniques, and vocabulary. Cultural and historical connections, reasoning, critical thinking and evaluation skills will be explored, as well as career and real-world applications.

## 2D Studio Art 3 Honors

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 0101320
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Pre-Requisite(s): 2D Studio Art 2

This course enables students to develop fundamental perceptual, observational, and compositional skills to create and communicate a range of subject matter, symbols, ideas, and concepts. Content includes basic knowledge of two-dimensional design and using painting and drawing media such as pencil, ink, tempera, and acrylic. Color theory will be emphasized. Students will be introduced to vocabulary and techniques specific to drawing and painting. Students develop a higher level of perceptual, observational, and compositional skills necessary to create and communicate a range of subject matter, symbols, ideas, and concepts using a wide range of drawing and painting media techniques, and vocabulary. Cultural and historical connections, reasoning, critical thinking and evaluation skills will be explored, as well as career and real-world applications.

### **AP 2D Studio Art**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 0109350
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Pre-Requisite(s): Pre-Requisite(s): A variety of beginning and advanced 2D art courses and Teacher Recommendation

The purpose of this Advanced Placement course is to give advanced students the opportunity to develop quality, concentration, and breadth in a very broad interpretation of two-dimensional (2-D) design issues. This type of visual communication involves purposeful decision-making about how to use the elements and principles of art in skillful and integrative ways. Preparation of the appropriate number of works, digital (or slide) documentation, and presentation techniques are required in each of three portfolio sections to be evaluated by the College Board.

### **AP 3D Studio Art**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 0109360
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Pre-Requisite(s): Pre-Requisite(s): A variety of beginning and advanced 3D art courses and Teacher Recommendation

The purpose of the Advanced Placement course is to give an art student the opportunity to develop quality, concentration, and breadth in the three-dimensional (3-D) design portfolio. The content should include, but not be limited to, the experiences in the development of perceptual, conceptual, and technical aspects of additive, subtractive, and/or fabrication process when creating sculptural or ceramic forms. Preparation of the appropriate number of works, digital (or slide) documentation, and presentation techniques are required in each of three portfolio sections to be evaluated by the College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking.

### **Drawing 1**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #:0104335
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Pre-Requisite(s): None

These courses enable students to develop fundamental perceptual, observational, and compositional skills to create and communicate a range of subject matter, symbols, ideas, and concepts. Content includes basic knowledge of two-dimensional design and using drawing media such as pencil. Color theory will be emphasized. Students will be introduced to vocabulary and techniques specific to drawing.

### **Painting 1**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 0104365
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Pre-Requisite(s): Drawing 1

These courses enable students to develop fundamental perceptual, observational, and compositional skills to create and communicate a range of subject matter, symbols, ideas, and concepts. Content includes basic knowledge of two-dimensional design and using painting media such as ink, tempera, and acrylic. Color theory will be emphasized. Students will be introduced to vocabulary and techniques specific to painting.

### **Portfolio Development Honors**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #:0109310
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Pre-Requisite(s): A variety of beginning and advanced 2D art courses and Teacher Recommendation

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

### **Ceramics 1**

Credits: 1	Grade: 11, 12	Weighted: No	Course #: 0102300
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Pre-Requisite(s): 10 grade required approval

This course enables students to recognize the properties, limitations, and possibilities of clay through the creation of functional and nonfunctional ceramics. Students explore basic hand building techniques, surface design, and the application of formal and expressive elements.

### **Ceramics 2**

Credits: 1	Grade: 11,12	Weighted: No	Course #: 0102310
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Pre-Requisite(s): Ceramics 1

This course enables students to recognize the properties, limitations, and possibilities of clay through the creation of functional and nonfunctional ceramics. Includes wheel throwing techniques. Students will understand and apply terminology and processes specifically related to the design, construction, surface design and firing of works. Content will make cultural and historical connections will include reasoning, critical thinking, and evaluation skills, with emphasis on the evaluation of pottery as works of art and functional objects. Content will include interdisciplinary, real world, and career connections.

### **Ceramics 3 Honors**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 0102320
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Pre-Requisite(s): Ceramics 2

This course enables students to recognize the properties, limitations, and possibilities of clay through the creation of functional and nonfunctional ceramics. Includes wheel throwing techniques. Students will understand and apply terminology and processes specifically related to the design, construction, surface design and firing of works. Content will make cultural and historical connections will include reasoning, critical thinking, and evaluation skills, with emphasis on the evaluation of pottery as works of art and functional objects. Content will include interdisciplinary, real world, and career connections.

**Pre-IB Visual Art 1 (Honors)**

Credits: 1	Grade: 9,10	Weighted: Yes	Course #:0114800
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## Pre-Requisite(s):

Students demonstrate beginning proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and/or design to create self-directed or collaborative 2-D artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop and understanding of the interrelatedness of subject areas, a holistic view of knowledge, intercultural awareness, embracing international issues, and communication as fundamental to learning. The purpose of this Pre-IB course is to prepare students for the International Baccalaureate Diploma Program (DP) and Career Program (CP).

**Pre-IB Visual Art 2 (Honors)**

Credits: 1	Grade: 9,10	Weighted: Yes	Course #:0114810
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## Pre-Requisite(s): IB Visual Art 1

Students demonstrate intermediate proficiency in the conceptual development of content in drawing, painting, printmaking, collage, and other artforms to create self-directed or collaborative artwork suitable for inclusion in a portfolio. Students produce works that show evidence of developing craftsmanship and quality in the composition. Through the critique process, students evaluate and respond to their own work and that of their peers. Through a focused investigation of traditional techniques, historical and cultural models, and individual expressive goals, students begin to develop and understanding of the interrelatedness of subject areas, a holistic view of knowledge, intercultural awareness, embracing international issues, and communication as fundamental to learning. In addition, the purpose of this Pre-IB course is to prepare students for the International Baccalaureate Diploma Program (DP) and Career Program (CP).

**IB Visual Arts 1**

Credits: 1	Grade: 11	Weighted: Yes	Course #:
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## Pre-Requisite(s): none, but art experience is recommended.

The IB Visual Arts 1 (IBVA) course is the first year of the two-year course in the IB Diploma Program. Year one students begin the IBVA assessments: The Comparative Study and The Process Portfolio. IBVA encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts.

## IB Visual Arts 2,3

Credits: 1	Grade: 12	Weighted: Yes	Course #:
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Pre-Requisite(s): IB Visual Arts 1

The IB Visual Arts 2 and 3 (IBVA) course is the second year of the two-year course in the IB Diploma Program. IBVA 2 is Standard Level (SL) and 3 is Higher Level (HL). Year two students complete the IBVA assessments: The Comparative Study, The Process Portfolio and The Exhibition. The IB visual arts course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. Students must be self-directed and prepared to work with rigor.



# Theatre Arts & Music



## Theatre 1

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 0400310
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Pre-Requisite(s):

This course is designed for students with little or no theatre experience and promotes enjoyment and appreciation for all aspects of theatre. 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. In corporation of other art forms in theatre also helps students gain an appreciation for other art forms such as music, dance and visual art.

## IB Theatre Arts 1

Credits: 1	Grade: 11	Weighted: Yes	Course #: 0400810
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Pre-Requisite(s): Theatre 1

This course emphasizes further development of acting skills, vocal production for the stage, emotional recall in developing a character role, historical styles of acting and current theories and practices. Evaluation of performances requires the student to attend productions which may be at the student's own time and expense.

## IB Theatre Arts 3 (HL)

Credits: 1	Grade: 12	Weighted: Yes	Course #: 0400830
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Pre-Requisite(s): IB Theatre Arts 1

This course is for the serious drama student and synthesizes the various elements of acting into individual performance activities. The class emphasizes varied auditioning techniques, performance styles, and critical evaluations of performances.



## **Instrument Techniques**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1302420
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Pre-Requisite(s)- None

This is introductory class where student can explore and learn an instrument. In the class students can consider the violin, viola, cello, or double bass. It is a great way to try something new. Students do not need any musical experience to take the class.

## **Guitar 1**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1301320
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Pre-Requisite(s): None

The purpose of this course is to enable students to develop skills in guitar performance including reading and interpreting music notation and performance in varied styles. Content will include technical performance proficiency, reading music including chord symbols, chord structure, performance styles and improvisation, composition, and arranging. Students will analyze performances and understand the role and influence of guitar music and musicians, and connections between music and other subject areas. Instrument rental fee will apply. This course will involve performances and some rehearsals outside the school day.

## **Guitar 2**

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 1301330
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Pre-Requisite(s): Guitar 1 and Teacher approval

The purpose of this course is to enable students to develop skills in guitar performance including reading and interpreting music notation and performance in varied styles. Content will include technical performance proficiency, reading music including chord symbols, chord structure, performance styles and improvisation, composition, and arranging. Students will analyze performances and understand the role and influence of guitar music and musicians, and connections between music and other subject areas. Instrument rental fee will apply. This course will involve performances and some rehearsals outside the school day.

## **Guitar 3**

Credits: 1	Grade: 11, 12	Weighted: No	Course #: 1303340
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Pre-Requisite(s): Guitar 2 and Teacher approval

The purpose of this course is to enable students to develop skills in guitar performance including reading and interpreting music notation and performance in varied styles. Content will include technical performance proficiency, reading music including chord symbols, chord structure, performance styles and improvisation, composition, and arranging. Students will analyze performances and understand the role and influence of guitar music and musicians, and connections between music and other subject areas. Instrument rental fee will apply. This course will involve performances and some rehearsals outside the school day.

### **Guitar 4 Honors**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1301350
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Pre-Requisite(s): Guitar 3 and Teacher approval

The purpose of this course is to enable students to develop skills in guitar performance including reading and interpreting music notation and performance in varied styles. Content will include technical performance proficiency, reading music including chord symbols, chord structure, performance styles and improvisation, composition, and arranging. Students will analyze performances and understand the role and influence of guitar music and musicians, and connections between music and other subject areas. Instrument rental fee will apply. This course will involve performances and some rehearsals outside the school day.

### **Piano 1**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1301360
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### **Piano 2**

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 1301360
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### **Piano 3**

Credits: 1	Grade: 11, 12	Weighted: No	Course #: 1301360
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### **Piano 4**

Credits: 1	Grade: 12	Weighted: No	Course #: 1301360
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Pre-Requisite(s): None

The purpose of this course is to enable students to develop keyboard skills, including reading music, interpreting music notation including chord symbols, and performance of music in varied styles. Content includes notation and expressive markings, posture, hand position, fingering, and technique, reading and performance skills, and literature of varied historical eras, styles, and cultures. Students will study music theory, composition, arranging, and improvisation. Students will analyze performances, understand historical and cultural perspectives, and explore the role and influence of keyboard music and musicians. Connections will be made between music and other subject areas. This course may require students to participate in extra rehearsals and performances beyond the school day. Instrument rental fee will apply.

### **Band 3**

Credits: 1	Grade: 9	Weighted: No	Course #: 1302320
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### **Band 4**

Credits: 1	Grade: 10/11/12	Weighted: No	Course #: 1302330
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Pre-Requisite(For band 4): Previous experience playing a band instrument or Teacher recommendation

The purpose of this course 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. The course will explore connections between music and other subject areas and demonstrate responsible participation in music activities. This course requires students to participate in extra rehearsals and performances beyond the school day.

## Band 5 Honors

Credits: 1	Grade: 11/12	Weighted: Yes	Course #: 1302340
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Pre-Requisite(s): Band 4 and Teacher approval

The purpose of this course 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. The course will explore connections between music and other subject areas and demonstrate responsible participation in music activities. This course requires students to participate in extra rehearsals and performances beyond the school day.

## Orchestra 2

Credits: 1	Grade: 9/10/11/12	Weighted: No	Course #: 1302370
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**No experience playing an orchestra instrument or teacher recommendation needed. Short fingernails are required.** \* Students who have little or no orchestral experience study and perform high-quality beginning orchestra literature of diverse times and styles. Students will learn to perform music on the violin, viola, cello, or double bass. Rehearsals focus on the development of critical listening skills, rudimentary string techniques, music literacy, ensemble skills, and aesthetic awareness. Public performances are not required. Students are not required to participate in extra rehearsals or performances beyond the school day. Instrument fees may apply for this class.

## Orchestra 3

Credits: 1	Grade: 9/10/11/12	Weighted: No	Course #: 1302380
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**Pre-Requisite: Middle School Orchestra Coursework, Orchestra 2, previous experience playing an orchestra instrument, or Teacher recommendation. Short fingernails are required.** \* Students build on previous orchestral experience through the study and performance of high-quality orchestra literature. Rehearsals focus on the strengthening of critical listening skills, musicianship, string techniques, ensemble skills, and aesthetic awareness in the context of relevant history and cultures. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source. Instrument fees may apply for this course.

\*This is typically the 9<sup>th</sup> Grade Orchestra Class for students that played last year in Middle School. If they played in 6<sup>th</sup> or 7<sup>th</sup> grade with a gap year or 2, Orchestra 2 is the proper placement.

## Orchestra 4

Credits: 1	Grade: /10/11/12	Weighted: No	Course #: 1302390
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**Pre-Requisite: Orchestra 3, previous experience playing an orchestra instrument or Teacher recommendation. Short fingernails are required.** Students build on previous orchestral experience through the study and performance of high-quality orchestra literature. Rehearsals focus on the strengthening of critical listening skills, musicianship, string techniques, ensemble skills, and aesthetic awareness in the context of relevant history and cultures. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source. Instrument fees may apply for this course.

\*This is typically the 10, 11, 12 Grade Orchestra Class for students with previous orchestra experience at RHS and did not audition or receive placement in the top-level playing group.

## Orchestra 5 Honors

Credits: 1	Grade: 10/11/12	Weighted: Yes	Course #: 130400
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**Pre-Requisite: Orchestra 4, previous experience playing an orchestra instrument or Teacher recommendation. Short fingernails are required.** Students with considerable orchestral experience advance their string and ensemble performance techniques, music literacy, music theory, and aesthetic engagement through high-quality orchestra literature. Student musicians use reflection and problem-solving skills to improve performance significantly based on structural, cultural, and historical understanding of the music. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source. Instrument fees may apply for this course.

\*This is the 10, 11, 12 Grade Orchestra Class for students with previous orchestra experience at RHS and who received placement in the top-level playing group.

## Orchestra 6 Honors

Credits: 1	Grade: 10/11/12	Weighted: Yes	Course #: 130410
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**Pre-Requisite: Orchestra 4, previous experience playing an orchestra instrument or Teacher recommendation. Short fingernails are required.** Students with considerable orchestral experience advance their string and ensemble performance techniques, music literacy, music theory, and aesthetic engagement through high-quality orchestra literature. Student musicians use reflection and problem-solving skills to improve performance significantly based on structural, cultural, and historical understanding of the music. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, rent, purchase) an instrument from an outside source. Instrument fees may apply for this course.

\*This is the 11, 12 Grade Orchestra Class for students with previous orchestra experience at RHS and who received placement in the top-level playing group.

**Percussion 1**

Credits: 1	Grade: 9,10,11,12	Weighted: No	Course #: 1302420 / 1302460
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Pre-Requisite(s): Teacher recommendation

**Percussion 2**

Credits: 1	Grade: 10,11,12	Weighted: No	Course #: 1302430 / 1302470
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Pre-Requisite(s): Percussion 1

**Percussion 3**

Credits: 1	Grade: 11,12	Weighted: No	Course #: 1302440 / 1302480
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Pre-Requisite(s): Percussion 2

**Percussion 4 Honors**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1302450 / 1302490
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Pre-Requisite(s): Percussion 3

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 other's 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.

**Bagpipes 1**

Credits: 1	Grade: 9,10,11,12	Weighted: No	Course #: 1302460
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**Bagpipes 2**

Credits: 1	Grade: 10,11,12	Weighted: No	Course#: 1302470
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Pre-Requisite(s): Bagpipes 1

**Bagpipes 3**

Credits: 1	Grade: 11,12	Weighted: No	Course #:1302780
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Pre-Requisite(s): Bagpipes 2

**Bagpipes 4 Honors**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1302790
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Pre-Requisite(s): Bagpipes 3

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 other 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.

**Chorus 3**

Credits: 1	Grade: 9,10,11,12	Weighted: No	Course #: 1303320
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**Chorus 4**

Credits: 1	Grade: 10,11,12	Weighted: No	Course #: 1303330
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Pre-Requisite(s): Chorus 3 or Teacher approval

**Chorus 5 Honors**

Credits: 1	Grade: 11,12	Weighted: Yes	Course #: 1303340
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Pre-Requisite(s): Chorus 4 and Teacher approval

**Chorus 6 Honors**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 1303350
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Pre-Requisite(s): Chorus 5 and Teacher approval

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 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 other's 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.

**AP Music Theory**

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 1300330
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Pre-Requisite(s): None

This is an AP class supported by College Board. Students will learn to recognize, understand, and describe the basic materials and processes of music. Students will develop skills in identifying features of pitch, interval, scales and keys, chords, meter, rhythm, and other musical concepts in performed and notated music; singing a notated melody on sight; notating music that you hear; and completing music based on cues, following common-practice style. It is strongly encouraged that students have current participation in band, choir, orchestra, or guitar when considering this course. At Riverview this can serve as a good start to the IB music curriculum and is highly recommended for 10th grade IB music students. It is not recommended for students who are not fluent in reading music.

**Guard 1**

Credits: 1	Grade: 9	Weighted: No	Course #: 1305300
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Pre-Requisite(s): Audition

**Dance or Guard 2**

Credits: 1	Grade: 10,11,12	Weighted: No	Course #: 1305310
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Pre-Requisite(s): Audition

**Dance or Guard 3**

Credits: 1	Grade: 11,12	Weighted: No	Course #: 1305320
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Pre-Requisite(s): Audition

**Dance or Guard 4**

Credits: 1	Grade: 12	Weighted: No	Course #: 1305330
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Pre-Requisite(s): Audition

The purpose of the courses is to enable student to develop basic skills in creating, performing, and evaluating choreographed performances as an independent ensemble and in cooperation with the marching band. Emphasis is placed on dance, equipment manipulation, percussion, and the relationship between music and dance. Content includes dance and choreographic techniques and terminology, choreographic design, music and movement analysis and evaluation, and the relationship between music, movement and other subject areas. This course requires students to participate in extra rehearsals and performances beyond the school day. Students need to audition for this course before being placed in it.

# JROTC

The purpose of these courses is to enable students to develop basic skills in creating, performing, and evaluating choreographed performances as an independent ensemble and in cooperation with the marching band. Emphasis is placed on dance, equipment manipulation, precision, and the relationship between music and dance. Content includes dance and choreographic techniques and terminology, choreographic design, music and movement analysis and evaluation, and the relationships between music, movement and other subject areas. This course requires students to participate in extra rehearsals and performances beyond the school day. Students need to audition for this course before being placed in it. Dance only accepts grades 10-12. **JROTC 1**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1801300
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Pre-Requisite(s): None

## **JROTC 2**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1801310
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Pre-Requisite(s): JROTC 1

## **JROTC 3**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1801320
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Pre-Requisite(s): JROTC 2

## **JROTC 4**

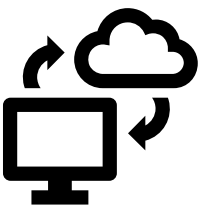
Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1801330
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Pre-Requisite(s):

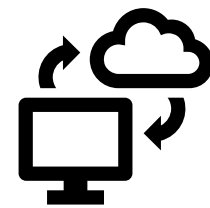
The purpose of this course is to enable students to develop knowledge of the history, customs, traditions, and purpose of the **Army** JROTC. The course includes development of basic leadership skills including leadership principles, values, and attributes. Students should master appreciation for diversity. 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, Levels, II, and IV apply the concepts, skills and strategies of Levels I and Level 2.





# Career and Technical Education



## Computer Programming

### Foundations of Programming

Credits: 1	Grade: 9, 10, 11, 12	Weighted: Yes	Course #: 9007210
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Pre-Requisite(s): None, Algebra 1 recommended

This course covers the fundamentals of programming using the computer language Python. Python is the leading programming language taught to students in colleges and universities through out the world. This course will provide you with the concepts, techniques and processes associated with computer programming and software development. During the course, you will get a chance to explore the vast programming opportunities in this high demand field-including web and application development, machine learning and artificial intelligence, programming physical devices (Internet of Things-IoT), and other leading edge, future – forward technologies.

### AP Computer Science Principles

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 0200335
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Pre-Requisite(s): Foundations of Programming and Algebra 2 is recommended.

This course offers a broad introduction to the concepts and practices of computer science, focusing on creativity, problem-solving, and the impact of technology on society. This course emphasizes computational thinking, algorithm development, and the exploration of real-world applications of computing. Student will learn about topics such a data analysis, internet systems, programming, cybersecurity and the societal effects of computing. Through hands-on projects and collaborative activities, students will develop skills in programming, data visualization, and innovation while exploring the ethical and global implications of technology.

### AP Computer Science A

Credits: 1	Grade: 11/12	Weighted: Yes	Course #: 0200320
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Pre-Requisite(s): AP Computer Science Principles and Teacher Approval

AP Computer Science A is a college-level course designed to introduce students to the principles of computer programming and problem – solving using the Java programming language. This course emphasized algorithm development, object-oriented programming, and the design and implementation of efficient reusable code. Students will learn fundamental programming concepts such as variable, conditionals, loops, arrays, and classes, as well as advanced topics like inheritance, recursion, and data structures. Throughout the course, students will work on real-world coding projects, collaborative problem -solving activities, and practice exercises aligned with the AP Computer Science A Exam

### **IT Directed Study**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 9000100
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Pre-Requisite(s) AP Computer Science A

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Information Technology cluster that will enhance opportunities for employment in the career field chosen by the student.

## **Digital Media/Multi Media Design**

### **Digital Media/Multimedia Foundations**

Credits: 1	Grade:9,10, 11, 12	Weighted: No	Course #: 8201210
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This course introduces students to the essential concepts, components, terminology, and knowledge about digital media, software applications, and delivery systems.

### **Digital Media/Multimedia Foundations 2**

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 8201220
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Pre-Requisite(s): Digital Media/Multimedia 1

This course introduces students to the digital video and audio authoring environments, equipment, and software applications. Content includes management aspects of creating, saving, and distributing digital assets.

### **Digital Media/Multimedia Foundations 3**

Credits: 1	Grade: 11, 12	Weighted: Yes	Course #: 8201230
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Pre-Requisite(s): Digital Media/Multimedia 2

This course introduces students to the digital video and audio delivery media and associated protocols. Content includes technical aspects of evolving and emerging technologies used in the delivery of digital content.

### **Digital Media/Multimedia Web Production**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 8201720
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Pre-Requisite(s) Foundations 3

### **Digital Media/Multi Media Motion Graphics Production**

Credits: 1	Grade: 12	Weighted: Yes	Course #: 8201620
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Pre-Requisite(s) Foundations 3

# Engineering

## Introduction to Engineering Designs

Credits: 1	Grade: 9,10,11,12	Weighted: Yes	Course #: 8600550
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Pre-Requisite(s): None

This course teaches problem solving skills using a design development process. Models of product solutions are created analyzed and communicated using solid modeling computer design software.

## Computer Integrated Manufacturing

Credits: 1	Grade: 10	Weighted: Yes	Course #: 8600560
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Pre-Requisite(s): Introduction to Engineering Design

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

## Principles of Engineering Honors

Credits: 1	Grade: 11,12	Weighted: Yes	Course #: 8600520
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Pre-Requisite(s): Computer Integrated Manufacturing

This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Meets Fine Art Requirement.

## Engineering Capstone

Credits: 1	Grade: 12	Weighted: Yes	Course #: 8600650
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Pre-Requisite(s): Principles of Engineering

This program provides students with an advanced understanding of the knowledge, human relations, and technological skills found today in technical profession.

# Business and Finance

## Business Ownership

Credits: 1	Grade: 9,10, 11	Weighted: No	Course #: 8812000

## Accounting Applications 1

Credits: 1	Grade: 10, 11, 12	Weighted: Yes	Course #: 8203310
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Pre-Requisite(s): Business Ownership

This course emphasizes double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording income, expenses, acquisition of assets, incurrence of liabilities, and changes in equity; and the preparation of financial statements. The use of computers is required.

Credits: 1	Grade: 11, 12	Weighted: No	Course #: 8216110
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Pre-Requisite(s): Accounting Applications 1

This course is designed to prepare students to live and work in a global economy. Students develop an understanding of business principles, management styles, economics, and customs which affect business systems in the international environment.

## International Finance and Law

Credits: 1	Grade: 11/12	Weighted: Yes	Course #: 8216120
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Pre-Requisite(s): International Business Systems

This course is designed to introduce students to the laws and regulations governing international trade including knowledge of import-export activities, banking, treaties, and currency exchange rates.

# Construction

## Construction 1

Credits: 1	Grade: 10, 11, 12	Weighted: No	Course #: 8722010
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This course will cover OSHA safety, tool identification, and the components, materials, characteristics, and systems related to the construction industry. Students will earn their OSHA 10 certification. Industry professionals from local construction companies will support instructional activities.

## Construction 3

Credits: 1	Grade, 10, 11, 12	Weighted: No	Course #: 8722030
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Students will gain a deeper understanding of the built environment including how science & math relate to construction careers. Students will get hands-on experience with tools of the trade learning directly from professionals from industry.

**Construction 4**

Credits: 1	Will be offered 23-24	Weighted: No	Course #: 8722040
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Students will understand laws, contracts, architectural drawings, and logistics relating to construction trades. Industry professionals from local construction companies will support instructional activities.

**Construction 2**

Credits: 1	Will be offered 23-24	Weighted: No	Course #: 8722020
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Students will practice and demonstrate their fundamental skills including but not limited to the rough in and finish work associated with the following trades: carpentry, masonry, painting, electrical, plumbing, HVAC. Industry professionals from local construction companies will support instructional activities.

**Construction 5**

Credits: 1	Grade: 11,12	Weighted: No	Course #: 8722050
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Students will practice and demonstrate their fundamental skills including but not limited to the rough in and finish work associated with the following trades: carpentry, masonry, painting, electrical, plumbing, and HVAC. Industry professionals from local construction companies will support instructional activities.

**Construction 6**

Credits: 1	Grade: 11,12	Weighted: No	Course #: 8722060
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Partnering with local construction employers, students in this class will become interns or work on year-long capstone projects relating to construction. Industry professionals from local construction companies will support instructional activities.

**Directed Study**

Credits: 1	Grade: 12	Weighted: No	Course #: 8700100
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Credits: 1	Grade: 12	Weighted: No	Course #: 8722400
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# Freshman Transition

## Career Research and Decision Making

Credits: .5	Grade:9	Weighted: No	Course #: 1700380
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Pre-Requisite(s): None

The purpose of this course is to develop career planning competencies, enabling students to make informed career choices and develop the skills needed to successfully plan and apply for college or a job. Students will learn goal setting and the decision-making processes and will focus on sources of career information and career planning.

## Personal Finance and Money Management

Credits: 0.5	Grade: 9,10, 11,	Weighted: No	Course #: 2102371
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Pre-Requisite(s): None

This is a graduation requirement for the class of 2027 and beyond.

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

## Personal, Career, and School Development Skills 2

Credits: 1	Grade:10	Weighted: No	Course #: 0500510
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## Personal, Career, and School Development Skills 3

Credits: 1	Grade:11	Weighted: No	Course #: 0500520
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## Personal, Career, and School Development Skills 4

Credits: 1	Grade:12	Weighted: No	Course #: 0500530
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The purpose of these courses is to provide students with an opportunity to experience success in school and improve attitudes and behaviors towards learning, self, school and community. Through enrollment in this class, students (and their families) are connected with public and private health, employment, counseling and social services. The private sector is involved in the collaboration in a variety of ways. This includes tutoring of students, mentoring, serving as guest speakers, and serving in an advisory role to support the school and students.

## Work Experience 1

Credits: 1	Grade:11,12	Weighted: No	Course #: 8301610
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This course is designed to meet the minimum student performance standards as outlined in the program framework and to provide remedial instruction when needed. Students first entering the program begin with this course. Students taking this course will be co-enrolled in Work Experience OJT 8301650.

### **Work Experience-OJT**

Credits: 1	Grade:11,12	Weighted: No	Course #: 8301650
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This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job skills must be identified on a job skills form. Selected job skills will be evaluated a minimum of once during each grading period. Students must meet specific criteria identified with the counselor to participate in this program as well as being co-enrolled in Work Experience 1 8301610.

### **Cooperative Diversified Education - OJT**

Credits: 1	Grade:12	Weighted: No	Course #: 8300420
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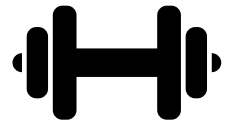
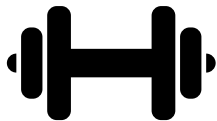
The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Students must complete 2 courses in a Career-Technical Education (CTE) pathway to participate in this program as well as co-enrolling in Personal, Career, and School Development Skills 4 0500530.

### **Executive Internship 1**

Credits: 1	Grade:12	Weighted: No	Course #: 0500300
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Pre-Requisite (s)- Application and Teacher Approval

The purpose of this course is to provide a practical introduction to the work environment through direct contact with a professional in the community. The content includes discussion of professional job requirements, building vocabulary appropriate to the area of professional interest, development of decision making skills and development of the personal and educational job related skills.



# **Physical Education**

### **Individual Dual Sports 1**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1502410
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Pre-Requisite(s): None

### **Individual Dual Sports 2**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1502420
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Pre-Requisite(s): None

Students will learn the history, skills, rules, terminology, safety, and playing strategies, of four individual and dual sports (specific activities will vary with each high school). Sportsmanship and the maintenance and/or improvement of personal Fitness shall be stressed.

### **Weight Training 1**

Credits: 0.5	Grade: 10, 11, 12	Weighted: No	Course #: 1501340
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Pre-Requisite(s): None

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 course.

### **Weight Training 2**

Credits: 0.5	Grade 10, 11, 12	Weighted: No	Course #: 1501350
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Pre-Requisite(s): Weight Training 1

Students will increase their knowledge of and skills in muscular strength and endurance begun in Beginning Weight Training. Cardiovascular fitness shall also be emphasized.

### **Team Sports 1**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1503350
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Pre-Requisite(s): None

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, flicker ball, gator ball, speedball, field hockey and track and field. Special Note: Activities selected in Team Sports 1 may not be repeated in Team Sports 2.

### **Team Sports 2**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1503360
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Pre-Requisite(s): None

Students will acquire knowledge of team sports play, develop skills in selected team sports and maintain or improve their health-related fitness levels. Students must understand and be able to apply the physiological principles related to exercise training. The selected team sports may include, but not be limited to angle ball, soccer, volleyball, basketball, softball, flag football, and Frisbee games. Special Note: Activities selected in Team Sports II must be different from those taught in Team Sports I.



### **Health Options through Physical Education**

Credits: 1	Grade: 9, 10, 11, 12	Weighted: No	Course #: 3026010
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Pre-Requisite(s): None

Students will develop and learn healthy behaviors that will influence lifestyle choices and student health and fitness. **This course is required for graduation.**

### **Care and Prevention of Athletic Injury**

Credits: 0.5	Grade: 9, 10, 11, 12	Weighted: No	Course #: 1502490
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Pre-Requisite(s):

The purpose of this course is to enable students to develop knowledge of the anatomy and physiology related to athletic injuries and skills related to the nature, prevention, care, and rehabilitation of athletic injuries. The content includes... injury prevention; anatomy and physiology and related to athletic injuries; conditioning methods; identification, management, and rehabilitation; athletic training; care opportunities and benefits of participation.

### **Outdoor Activities**

Credits: 0.5	Grade: 10, 11, 12	Weighted: No	Course #: 1502480
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Pre-Requisite(s): None

The purpose of this course is to acquire knowledge and skills in a variety of outdoor recreational activities and to maintain or improve health related fitness. Outdoor activities may include hiking, backpacking, camping, canoeing, orienteering, angling, cycling, boater safety (boating license), ropes and rules and regulations of saltwater fishing. The content will also include safety practice, techniques, consumer issues, and fitness activities.