



---

# NEW BEDFORD HIGH SCHOOL PROGRAM OF STUDIES 2021-2022

---





## TABLE OF CONTENTS

ACADEMY OF ARTS & HUMANITIES .....	3
NAF/ROTC LEADERSHIP SKILL DEVELOPMENT .....	15
NAF ACADEMY OF ENGINEERING.....	15
NAF ACADEMY OF FINANCE.....	17
NAF ACADEMY OF HEALTH SCIENCES.....	20
NAF ACADEMY OF INFORMATION TECHNOLOGY .....	22
NAF ACADEMY OF HOSPITALITY AND TOURISM .....	24
CHAPTER 74 PROGRAMMING .....	25
ENGLISH LANGUAGE ARTS.....	27
ENGLISH LANGUAGE EDUCATION .....	31
HEALTH AND PHYSICAL EDUCATION .....	37
ARMY-JUNIOR RESERVE OFFICER TRAINING PROGRAM .....	39
MATHEMATICS.....	40
SCIENCE.....	44
SOCIAL STUDIES.....	49
SPECIAL EDUCATION.....	53
WORLD LANGUAGE .....	56



## ACADEMY OF ARTS & HUMANITIES

<i>English Related Courses</i>				
Course #	Title	Grade	Units	Length
11101I	Journalism I	9-12	0.5	Daily/1 Semester
1110II	Journalism II	9-12	0.5	Daily/1 Semester
11104I	School Publications I	9-12	1.0	Daily/All Year
114041I	School Publications II	10-12	1.0	Daily/All Year
01061G	Poetry	11-12	0.5	Daily/Semester 1
04306I	Survey of Philosophy	11-12	0.5	Daily/Semester 2
05168I	Film Study I	9-12	0.5	Daily/1 Semester
05168II	Film Study II	9-12	0.5	Daily/1 Semester
01104I	Creative Writing I	11-12	0.5	Daily/1 Semester
01004II	Creative Writing II	11-12	0.5	Daily/1 Semester
<i>Social Studies Related Courses</i>				
Course #	Title	Grade	Units	Length
04254 G	Introduction to Psychology	11-12	0.5	Daily/Semester
04162 G	Introduction to Criminal Justice	11-12	0.5	Daily/Semester
01456 G	Current Events	11-12	0.5	Daily/ Semester
04165 G	Law & the Legal System	11-12	0.5	Daily/Semester
04149 G	History of New Bedford	11-12	0.5	Daily/ Semester
04001G	Geography	11-12	0.5	Daily/ Semester
<i>Early Childhood Development Courses</i>				
Course #	Title	Grade	Units	Length
19052	Child & Family Development	10	1.0	Daily/All Year
19152	Educational Methodology	11	1.0	Daily/All Year
19153	Early Childhood Development	12	3.0	3 Periods Daily/All Year
<i>Visual Arts Courses</i>				
Course #	Title	Grade	Units	Length
05155I	<a href="#">Introduction To Art</a>	9-12	0.5	Daily/1 Semester
05155II	<a href="#">Intermediate Art</a>	10-12	0.5	Daily/1 Semester
05155III	<a href="#">Honors Art</a>	11-12	1.0	Daily/All Year
05158	<a href="#">Introduction to 3-Dimensional Art</a>	9-12	0.5	Daily/1 Semester
05158III	<a href="#">Advanced 3-Dimensional Art</a>	10-12	0.5	Daily/1 Semester
05167I	<a href="#">Introduction to Digital Photography</a>	9-12	0.5	Daily/1 Semester
05167II	<a href="#">Advanced Digital Photography</a>	10-12	0.5	Daily/1 Semester
05169	<a href="#">Introduction to Digital Arts</a>	9-12	0.5	Daily/1 Semester
05169II	<a href="#">Advanced Digital Arts</a>	10-12	0.5	Daily/1 Semester
05152	<a href="#">Art History</a>	10-12	0.5	Daily/1 Semester



05170	<a href="#">Studio Art</a>	11-12	1.0	Daily/All Year
05174AP	<a href="#">AP Studio Art: 2-D Design</a>	11-12	1.0	Daily/All Year
<b><u>Performing Arts Courses</u></b>				
Course #	Title	Grade	Units	Length
05117	<a href="#">Music Fundamentals</a>	9-12	0.5	Daily/1 Semester
05108I	<a href="#">Introduction to Piano</a>	9-12	0.5	Daily/1 Semester
05108II	<a href="#">Intermediate Piano</a>	10-12	0.5	Daily/1 Semester
05108III	<a href="#">Advanced Piano</a>	11-12	0.5	Daily/1 Semester
05119	<a href="#">Introduction to Modern Music Lab</a>	9-12	0.5	Daily/1 Semester
05120	<a href="#">Advanced Modern Music Lab</a>	10-12	0.5	Daily/1 Semester
05101	<a href="#">Beginning Band</a>	9-12	0.5	Daily/1 Semester
05102CM	<a href="#">Concert/Marching Band</a>	9-10	1.0	Daily/All Year
05102SM	<a href="#">Symphonic/Marching Band</a>	11-12	1.0	Daily/All Year
05106	<a href="#">Jazz Workshop</a>	9-12	1.0	Daily/All Year
05105	<a href="#">Beginning Orchestral Strings</a>	9-12	0.5	Daily/1 Semester
05107	<a href="#">String Ensemble</a>	9-12	1.0	Daily/All Year
05111TC	<a href="#">Treble Choir</a>	**	0.5	Alternating/All Year
05111CC	<a href="#">Concert Chorale</a>	**	0.5	Alternating/All Year
05112SSA	<a href="#">SSA Show Choir</a>	**	0.5	Alternating/All Year
05112SATB	<a href="#">SATB Show Choir</a>	**	0.5	Alternating/All Year
05115AP	<a href="#">AP Music Theory</a>	11-12	1.0	Daily/All Year
05051	<a href="#">Theater Arts</a>	9-12	0.5	Daily/1 Semester
05056	<a href="#">Introduction to Stagecraft</a>	9-12	0.5	Daily/1 Semester
05056II	<a href="#">Advanced Stagecraft</a>	10-12	0.5	Daily/1 Semester
05052	<a href="#">Musical Theatre</a>	9-12	0.5	Daily/1 Semester
05057	<a href="#">Advanced Acting and Directing</a>	11-12	1.0	Daily/All Year
05001	<a href="#">Dance</a>	9-12	0.5	Daily/1 Semester

## **Academy of Arts & Humanities Course Descriptions**

### **English Related Courses**

11101I	Journalism I	9 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/1 Semester
--------	--------------	---	-----------	------------------

This course is for motivated students who want to learn the basics of journalism in a variety of media and contribute to The Whaler Post, the school' print newspaper and/or news website. Students will learn all aspects of production, writing and editing and will be exposed to using technology involved in those processes, including photography and graphic design. They will assist in the selling of advertisements for the paper and other fundraising activities, as well as participate in distribution and marketing efforts. Enrollment in this class will require time outside of class to complete reporting and editing tasks for deadlines. This course does **not** replace a "required" English course. This course does **not** replace a "required" English course.



11101II	Journalism II	9 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/1 Semester
---------	---------------	---	-----------	------------------

This course is a continuation of Journalism 1, but students will take on leadership responsibilities, for example as page editor, business manager, editor-in-chief, and so on. Students learn and apply techniques of layout, design, and desktop publishing. Students develop a more sophisticated level of journalistic writing and participate in the operation and production of The Whaler Post newspaper and/or news website. Students also learn skills in business and circulation management. Enrollment in this class will require time outside of class to complete reporting and editing tasks for deadlines. This course does **not** replace a “required” English course.

11104I	School Publications I	9 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	-----------------------	---	-----------	----------------

This course is an elective for those students who want to learn the basics of yearbook production and participate in the preparation of the *Whaler Post*. Aspects to be covered will include sports, news, and feature article writing, basic elements of graphic design, advertising sales, typing/word processing, and proofreading skills. Students will be responsible for general and specific publication duties. While this is an elective, students considering the course should be serious about their commitment, as the production of the school yearbook is a major service project and crosses several disciplines. Students will be graded on various stages of production from rough drafts, final articles, basic design elements, complete designs, meeting of deadlines, and all the technical work. There is a co-curricular component to this course, which reserves the option to meet after regular school hours when necessary and which students will be expected to attend. **This course does NOT replace a “required” English course.**

11104II	SCHOOL PUBLICATIONS II	9 <sup>TH</sup> - 12 <sup>TH</sup> GRADE	1.0 UNIT	DAILY/ALL YEAR
---------	------------------------	--	----------	----------------

This course is an elective for those students who want to go beyond the basics of yearbook production and participate in the preparation of the *Crimson Log* in a leadership role within the staff. All aspects of yearbook production will be taught to the School Publications I students in the class, and the level II students will oversee the production efforts of their peers and partake in the editing of the yearbook. While this is an elective, students considering the course should be serious about their commitment. There is a co-curricular component to this course, which reserves the option to meet after regular school hours and which students will be expected to attend. This course does NOT replace a “required” English course.

01061G	POETRY	11 <sup>TH</sup> - 12 <sup>TH</sup> GRADE	0.5 UNIT	DAILY/SEMESTER 1
--------	--------	---	----------	------------------

This course focuses exclusively on the creation and explication of poetry. Students will learn the aspects and terminology of the genre. They will read and analyze a variety of poems. Finally, they will be asked to create works of their own, which will be workshopped and discussed in class.

043061	SURVEY OF PHILOSOPHY	11 <sup>TH</sup> - 12 <sup>TH</sup> GRADE	0.5 UNIT	DAILY/SEMESTER 2
--------	----------------------	---	----------	------------------

Survey of Philosophy is an elective course that introduces students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content hinges around the examination of the major philosophers and their writings.



05168I	FILM STUDY I	9 <sup>TH</sup> - 12 <sup>TH</sup> GRADE	0.5 UNIT	DAILY/SEMESTER 1
--------	--------------	--	----------	------------------

This course is focused on analyzing and creating movies. Studying film provides students a way to analyze and understand the last 100-plus years, as well as understand more deeply the world and our identities. We will examine the elements of film production, learn the basics of film language, and explore the development of film style. This course involves the study of classic and award-winning films, critiquing both the artistic and technical merits of films. Students study the development of theme, plot, characterization, and setting. They learn the vocabulary associated with film and use this vocabulary discussing or writing about films. This course does **not** replace a “required” English course.

051681II	FILM STUDY II	9 <sup>TH</sup> - 12 <sup>TH</sup> GRADE	0.5 UNIT	DAILY/SEMESTER 2
----------	---------------	--	----------	------------------

Students will gain a deeper understanding of various film genres, significant film movements, and influential filmmakers. Students will learn to recognize familiar tropes of certain genres, be able to identify characteristics and innovations of various film periods, and be able to acknowledge stylistic hallmarks and subject matter of important filmmakers. A major project may include a student-directed in-depth study of the films of a director, genre, region/country or other particular focus; or writing and directing a substantial short film; or researching a particular focus of film history or filmmaking. Additionally, students will build on their knowledge of film history and terminology gained from Film Study 1. This course does **not** replace a “required” English course.

011041I	CREATIVE WRITING I	9 <sup>TH</sup> – 12 <sup>TH</sup> GRADE	0.5 UNIT	DAILY/SEMESTER 1
---------	--------------------	--	----------	------------------

Students will craft fiction, poetry, and creative nonfiction while drawing inspiration from their own experiences, writing prompts, and mentor texts. Students will analyze professional writing, expand vocabulary, and improve coherence and cohesion of their own work. Students will share their writing with class members on a regular basis and build a portfolio to showcase their work. Readings will include short pieces and excerpts by mostly contemporary writers. This course does **not** replace a “required” English course.

01004II	CREATIVE WRITING II	9 <sup>TH</sup> - 12 <sup>TH</sup> GRADE	0.5 UNIT	DAILY/SEMESTER 2
---------	---------------------	--	----------	------------------

This course is designed for students who want to continue using writing for personal expression. In this course, students will engage in more individualized creative writing study and write in forms predominantly of their choosing, including one long project. Students will be asked to demonstrate effective habits of independent learning (especially time management), but also engage in writing workshops and peer feedback sessions. To show evidence of writing development throughout the course, students will be required to engage in writing community activities that require sharing one’s work and in publishing one’s writing beyond the classroom setting. This course does **not** replace a “required” English course.





## Social Studies Related Courses

04254G	Introduction to Psychology	11 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/1 Semester
--------	----------------------------	--	-----------	------------------

This course will expose students to general psychology, abnormal psychology, and other specialized psychological fields. An integrated approach to concepts, theories, and methodologies in psychology will be employed.

04162G	Introduction to Criminal Justice	11 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/1 Semester
--------	----------------------------------	--	-----------	------------------

Students will develop an understanding of the various agencies and components of the criminal justice system and the interrelationships between them. The evolution of law and its administration will be emphasized, particularly with respect to its constitutional foundation. A study of the role played by police in our system will be undertaken, as well as an examination of the corrections system in the United States. Students will be expected to complete community service house by participating in activities with New Bedford Youth Court.

04156G	Current Events	11 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/1 Semester
--------	----------------	--	-----------	------------------

In Current Events students will learn to become news literate by analyzing breaking news through diverse lenses. Students will research not only the importance of news but also its shortcomings. By the end of the class students will be able to show their knowledge by becoming architects of their own news.

04165G	Law & The Legal System	11 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/1 Semester
--------	------------------------	--	-----------	------------------

Students will develop an understanding of the structure, operation, and Constitutional protections of the U.S. legal system. Students will study the role played by the judicial branch in the creation of case law. Criminal law and civil liberties will be the focus as students will be introduced to case law in areas such as search and seizure, interrogations, freedom of speech, freedom of religion, and equal protection of the law. Students will be expected to complete community service house by participating in activities with New Bedford Youth Court.

04149G	History of New Bedford	11 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/ 1 Semester
--------	------------------------	--	-----------	-------------------

Students will survey the social, economic, cultural, and industrial history of New Bedford and the surrounding area by analyzing primary & secondary sources, exploring local historical sites & museums, and evaluating New Bedford's present and future issues in a project-based instructional format.



Students will be able to understand *why* and *how* New Bedford exists as a bustling and evolving city of 95,000 diverse people. The course of study will begin with the native Wampanoag people who lived near the Acushnet River for thousands of years and will end with an up-to-date analysis of the city's social, economic, cultural, and industrial aspects. Students will experience the many historical resources that New Bedford has to offer, many of which are managed by the National Park Service, the New Bedford Whaling Museum, and other local historical groups. **Pre-requisite: Successful completion of US History I.**

04001G	Geography	11 <sup>th</sup> -12 <sup>th</sup> Grade	0.5 Units	Daily/ 1 Semester
--------	-----------	--	-----------	-------------------

This course is designed to be project-based and help students to better understand our constantly changing and complex world through geography. Students will study geography from the physical, political, and cultural perspective using the five basic geographical themes of location, place, human-environment interaction, movement, and region.

### Early Childhood Related Courses

19052	Child & Family Development	10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	----------------------------	------------------------	-----------	----------------

This course is designed to bring child development and parenting concepts to life for students. Various projects will help the student understand the physical, emotional, social and intellectual development of a child. In order to qualify for this class, students will need to go through an application process. This course is for students who wish to pursue certification in Early Childhood Education.

19152	Educational Methodology	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-------------------------	------------------------	-----------	----------------

This course is designed to give students the required skills to operate a pre-school program. They will put into practice child safety and preschooler Massachusetts Curriculum Frameworks guidance procedures, lesson plan writing, importance of play and general overview of a day-to-day operation of a preschool. **Prerequisite: This course is available to students in the ECE Certification program and successfully completed a course in Child Development.**

19153	Early Childhood Development	12th Grade	3.0 Units	3 Per. Daily/All Year
-------	-----------------------------	------------	-----------	-----------------------

This course prepares high school seniors to become employable in an entry level childcare position in the childcare services and/or enter a childhood education college program. Student must participate in a 10-week training program at an Elementary School in New Bedford. **Prerequisite: This course is available to students in the ECE Certification Program and must have successfully completed Child Development and Educational Methodology.**





## Fine Arts Course Descriptions

### VISUAL ARTS COURSES

05155I	<a href="#">Introduction to Art</a>	9-12	0.5 Units	Daily/1 Semester
--------	-------------------------------------	------	-----------	------------------

This course is designed as a beginning level art class for students wishing to satisfy an arts graduation requirement as well as pursue an upper-level art course. Students will focus on the Elements and Principles of Art and explore basic art media and techniques. Understanding the purpose of art, responding to art, and art history are integral parts of the class.

05155II	<a href="#">Intermediate Art</a>	10-12	0.5 Units	Daily/1 Semester
---------	----------------------------------	-------	-----------	------------------

This course will expand upon the elements and principles of art. An emphasis will be placed on building students' skills, craftsmanship, and refinement of personally meaningful ideas or concepts. Students will also learn how to interpret, analyze, and critique artistic works.

05155III	<a href="#">Honors Art</a>	11-12	1.0 Units	Daily/All Year
----------	----------------------------	-------	-----------	----------------

This course is specifically for students who have the art skills and motivation to learn more about a variety of drawing and painting materials and techniques. In this introduction to an independent studio environment, students will refine their skills and address artistic challenges. Students accepted into this course must be self-directed and have a desire to develop one's own voice as an artist. The class is also designed to provide a foundation for Studio/AP Art classes.

05158	<a href="#">Introduction to Three-Dimensional Art</a>	9-12	0.5 Units	Daily/1 Semester
-------	---	------	-----------	------------------

This course is an introductory class into the world of three-dimensional art and sculpture. This class will use the elements of art and principles of design as they apply to three-dimensional art. Students will work by themselves and in teams to design and construct abstract, realistic and imaginative sculptures. Recyclable materials such as cardboard, wire, string, paper and plastic will be explored.

05158II	<a href="#">Advanced Three-Dimensional Art</a>	10-12	0.5 Units	Daily/1 Semester
---------	--	-------	-----------	------------------

This course focuses on advanced concepts and materials in three-dimensional art. Students will explore creating refined sculptures using materials such as wire, plaster, digital drawing pens, cardboard, and plastics. In this course students will research artists, discover personal expression, explore materials, and develop cultural awareness.

05167I	<a href="#">Introduction to Digital Photography</a>	9-12	0.5 Units	Daily/1 Semester
--------	---	------	-----------	------------------

This course will teach the 3 fundamentals of photography: aperture, shutter speed and I.S.O. (light sensitivity) and how each interacts to create images. Students will explore the technical and artistic use of lighting and the basics of digital editing software. The principles and elements of art will be taught and applied to the medium of photography. Students will use school provided or student owned digital single lens reflex cameras (Nikon d3400) and in class IMACs along with school issued laptops.

05167II	<a href="#">Advanced Digital Photography</a>	10-12	0.5 Units	Daily/1 Semester
---------	--	-------	-----------	------------------

In this course students will apply what was learned in Introduction to Digital Photography and will utilize that knowledge to understand advanced camera techniques. In depth use of imaging software including



Adobe Photoshop and Lightroom will be explored. Students will learn theoretical and practical uses of these programs including Layers, Clone Stamp, Liquefy, and other advanced retouching methods.

05169	<a href="#">Introduction to Digital Arts</a>	9-12	0.5 Units	Daily/1 Semester
-------	--	------	-----------	------------------

In this introductory course, students will learn the elements and principles of art through various digital art projects. Students will combine technology with traditional drawing, painting, photography, and layout techniques to create original works of art. Students will view the computer as an important tool for the artist as well as learn about the history of digital media and careers in the field.

05169II	<a href="#">Advanced Digital Arts</a>	10-12	0.5 Units	Daily/1 Semester
---------	---------------------------------------	-------	-----------	------------------

In this course, students will apply what was learned in Introduction to Digital Arts and enhance their skills combining technology with traditional art mediums. Students will use the computer as an important artist as well as learn about the history of digital media and careers in the field.

05152	<a href="#">Art History</a>	10-12	0.5 Units	Daily/Semester
-------	-----------------------------	-------	-----------	----------------

Art History as a course will serve as a cultural, personal, and worldly connection. The course focuses on major art movements. The intention of this class is to explore who, why, when, and how art is made. The studio component of this class is drawing through observation, learning to see art and notice details sufficient for recreation.

05170	<a href="#">Studio Art</a>	11-12	1.0 Units	Daily/All Year
-------	----------------------------	-------	-----------	----------------

This course is for dedicated art students who plan on furthering their art education beyond high school. Students will master skills, express student voice, and work on portfolio development. A variety of media and advanced techniques will be explored to develop personal style. Since the course is a rigorous introduction to college studio art courses, students will need to work outside the classroom, maintain a sketchbook, and participate in ongoing group and individual critiques. For the Advanced Placement (AP) Art option, students agree to submit writing and images according to the AP Art and Design Portfolio Exam criteria.

05174AP	<a href="#">AP Studio Art: 2-D Design</a>	11-12	1.0 Units	Daily/All Year
---------	---	-------	-----------	----------------

This course is for dedicated art students who plan on furthering their art education beyond high school. Students will master skills, express student voice, and work on portfolio development. A variety of media and advanced techniques will be explored to develop personal style. Since the course is a rigorous introduction to college studio art courses, students will need to work outside the classroom, maintain a sketchbook, and participate in ongoing group and individual critiques. For the Advanced Placement (AP) Art option, students agree to submit writing and images according to the AP Art and Design Portfolio Exam criteria.

## **Performing Arts Courses**

### **Music courses**

05117	<a href="#">Music Fundamentals</a>	9-12	0.5 Units	Daily/1 Semester
-------	------------------------------------	------	-----------	------------------



This course is designed to engage students in basic understandings about music and to encourage further study. Topics include musical styles throughout history and today, music notation (how it is written/composed), and performance.

05108I	<a href="#">Introduction to Piano</a>	9-12	0.5	Daily/1 Semester
--------	---------------------------------------	------	-----	------------------

This is a beginning piano course that covers the basics of reading music and playing piano. Class sizes limited to 25.

05108II	<a href="#">Intermediate Piano</a>	10-12	0.5	Daily/1 Semester
---------	------------------------------------	-------	-----	------------------

This course offers experience in more difficult piano playing to the student who has some experience playing the piano. Exposure to a more difficult repertoire and intermediate to advanced techniques is the major objective of this prepared class.

05108III	<a href="#">Advanced Piano</a>	11-12	0.5	Daily/1 Semester
----------	--------------------------------	-------	-----	------------------

Independent study exposure to a more difficult repertoire and advanced techniques of performance and composition.

05119	<a href="#">Introduction to Modern Music Lab</a>	9-12	0.5	Daily/1 Semester
-------	--	------	-----	------------------

This course is an introduction to creating, performing, and recording modern genres of music, and American Music History. Modern Music Lab provides students with the opportunity to share their musical interests, learn musicianship skills, and learn how to think, to sustain goals of life-long participation. Students in Modern Music Lab will learn basic instrument skills alone and in small groups. The instruments that will be taught will primarily be bass, drums, guitar, and piano. Band instruments such as woodwinds, brass, and even strings will also be allowed in the class. Vocalists will be welcomed and taught contemporary singing strategies. Each student will be taught to use live sound reinforcement and recording studio equipment and software.

05120	<a href="#">Advanced Modern Music Lab</a>	10-12	0.5	Daily/Semester
-------	---	-------	-----	----------------

This course is based around intermediate and advanced techniques for creating, performing, and recording modern genres of music. Students in Advanced Modern Music Lab will learn instruments alone and in small groups, and then will be divided up accordingly into small ensembles where they will select a repertoire to rehearse, perform and record. The instruments that will be taught will primarily be bass, drums, guitar, and piano. Band instruments such as woodwinds, brass, and even strings will also be allowed in the class. Vocalists will be welcomed and taught contemporary singing strategies. Each student will be taught advanced techniques to use live sound reinforcement and recording studio equipment and software.

05101	<a href="#">Beginning Band</a>	9-12	0.5	Daily/1 Semester
-------	--------------------------------	------	-----	------------------



This course is designed for students who wish to learn a band instrument such as flute, clarinet, saxophone, trumpet, trombone, percussion, etc. Instruments will be provided. Outside of class practice is expected.

05102CM	<a href="#">Concert/Marching Band</a>	9-10	1.0	Daily/All Year
---------	---------------------------------------	------	-----	----------------

This is an advanced band ensemble. Students are placed in Symphonic/Marching Band only by audition with the instructor. In addition to rehearsing and performing instrumental literature from the traditional and contemporary repertoires, band members must take part in extensive rehearsals and performances outside of the school day. The Band is both a Concert and a Marching Band during the school year.

05102SM	<a href="#">Symphonic/Marching Band</a>	11-12	1.0	Daily/All Year
---------	---	-------	-----	----------------

This course is for dedicated art students who plan on furthering their art education beyond high school. Students will master skills, express student voice, and work on portfolio development. A variety of media and advanced techniques will be explored to develop personal style. Since the course is a rigorous introduction to college studio art courses, students will need to work outside the classroom, maintain a sketchbook, and participate in ongoing group and individual critiques. For the Advanced Placement (AP) Art option, students agree to submit writing and images according to the AP Art and Design Portfolio Exam criteria.

05106	<a href="#">Jazz Workshop</a>	9-12	1.0	Daily/All Year
-------	-------------------------------	------	-----	----------------

This advanced-level course is designed to teach jazz style and improvisation techniques, and jazz history, to students with at least two years of experience of an appropriate instrument. Members will be expected to take part in after-school rehearsals and perform in concerts/competitions outside of school hours.

05105	<a href="#">Beginning Orchestral Strings</a>	9-12	0.5	Daily/Semester
-------	--	------	-----	----------------

This course is designed for students who have and have not played a violin, viola, cello, or double bass string instrument. Instruments will be provided. May be taken again for credit.

05107	<a href="#">String Ensemble</a>	9-12	1.0	Daily/All Year
-------	---------------------------------	------	-----	----------------

This course is designed for students who have played a violin, viola, cello, or double bass string instrument for more than one year. Instruments will be provided. Outside of class practice and after school participation is expected. May be taken again for credit.

05111TC	<a href="#">Treble Choir</a>	**	0.5	Alternating/All Year*
---------	------------------------------	----	-----	-----------------------

Treble Choir is an auditioned choir for singers in the higher vocal range. Proper vocal technique, musical notation, and 3-part vocal harmonization are major objectives. Students taking this course are required to participate in all school concerts. Treble and SSA meet during same block to make 1.0 (every other day).



05111CC	<a href="#">Concert Chorale</a>	**	0.5	Alternating/All Year*
---------	---------------------------------	----	-----	-----------------------

Concert Chorale is an auditioned choir of high and low voices. Advanced skills are developed in theory, sight-reading, ear training, vocal technique, and balance and blend with 4-6-part vocal harmonization. Students taking this course are required to participate in all school concerts. Concert Chorale and SATB meet during same block to make 1.0 (every other day).

05112SSA	<a href="#">SSA Show Choir</a>	**	0.5	Alternating/All Year*
----------	--------------------------------	----	-----	-----------------------

SSA Show Choir is an auditioned choir for singers in the higher vocal range. Skills are developed in dance in addition to skills developed in vocal harmonization and vocal technique. Students in this class are required to participate and perform in concerts outside of school hours. SSA and Treble Choir meet during same block to make 1.0 (every other day).

05112SATB	<a href="#">SATB Show Choir</a>	**	0.5	Alternating/All Year*
-----------	---------------------------------	----	-----	-----------------------

Mixed Show Choir is an auditioned choir for advanced high and low voices and includes concentration on dance techniques. Students in this class are required to participate in 2 weekly after-school rehearsals and perform in concerts outside of school hours. Attendance at all school concerts is mandatory. This is a competition group which competes outside of school hours. Attendance at all school concerts and show choir competitions is mandatory. SATB and Concert Chorale meet during same block to make 1.0 (every other day).

05115AP	<a href="#">AP Music Theory</a>	11-12	1.0	Daily/All Year
---------	---------------------------------	-------	-----	----------------

The AP Music Theory course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600 – 1900), materials and processes found in other styles and genres are also studied.

### Theatre Courses

05051	<a href="#">Theater Arts</a>	9-12	0.5	Daily/1 Semester
-------	------------------------------	------	-----	------------------

Theater Arts is a performance-based course, designed as a hands-on introduction to all aspects of the theatre. Elements of acting and improvisation, technical theatre/stage craft (costumes, props, set design) and theatre throughout history will be explored. The course will involve students in planning and executing all aspects of full dramatic productions. Participation is a large part of the final grade.

05056	<a href="#">Intro. to Stagecraft</a>	9-12	0.5	Daily/1 Semester
-------	--------------------------------------	------	-----	------------------

Stagecraft provides students with the hands-on application and knowledge of the visual, tangible, and designed elements of a theatrical production. Topics include sound, scenic and costume design as well as special effects makeup application. Students will learn how theatre professionals design, construct and execute these elements for a performance and will contribute to current school productions.



05056II	<a href="#">Advanced Stagecraft</a>	10-12	0.5	Daily/1 Semester
---------	-------------------------------------	-------	-----	------------------

Theater Arts is a performance-based course, designed as a hands-on introduction to all aspects of the theatre. Elements of acting and improvisation, technical theatre/stage craft (costumes, props, set design) and theatre throughout history will be explored. The course will involve students in planning and executing all aspects of full dramatic productions. Participation is a large part of the final grade.

05052	<a href="#">Musical Theatre</a>	9-12	0.5	Daily/1 Semester
-------	---------------------------------	------	-----	------------------

Musical Theatre is a performance-based class designed to lead singers and dancers through various styles and historical time periods of the musical theatre genre, as well as provide in depth information about the roles of individuals involved in the production of a musical theatre performance. Students will explore major composers and important works as well as college and career options in this field. Participation is a large part of the final grade.

05057	<a href="#">Advanced Acting and Directing</a>	11-12	1.0	Daily/All Year
-------	---	-------	-----	----------------

Advanced Acting and Directing is for the serious theatre student and focuses on advanced acting, writing, and directing skills. Preparation for theatre post-high school will be explored. Dramatic works from historical and contemporary time periods as well as student presentations of monologues and scenes will also be the major focus of this course. This course culminates in one required evening performance.

### Dance Courses

05001	<a href="#">Dance</a>	9-12	0.5	Daily/1 Semester
-------	-----------------------	------	-----	------------------

This course is an introductory course which will provide students with experience in one or several dance forms (i.e., modern, jazz, ballet, and tap). The course will also expand students' knowledge of dance as an art form and help develop students' ability to evaluate dance performances.





## NAF/ROTC LEADERSHIP SKILL DEVELOPMENT

22151	Intro to MyCAP	9-12	0.5	Daily/1 Semester
-------	----------------	------	-----	------------------

This course is designed to strengthen students' personal and group leadership skills. This course may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, group dynamics and workplace readiness and leadership skills.

## NAF ACADEMY OF ENGINEERING

Course #	Title	Grade	Units	Length
21005	Principles of Engineering I	9-12	0.5	Daily/1 Semester
21005II	Principles of Engineering II	10-12	0.5	Semester 2
21006	3D Solid Modeling	10-12	0.5	Daily/Semester 1
21010	Design for Manufacturing	10-12	0.5	Daily/Semester 2
21014	Foundations in Biotechnology	11-12	1.0	Daily/All Year
21009	Robotics	9-12	0.5	Daily/1 Semester
21009A	Advanced Robotics	11-12	0.5	Daily/1 Semester

### Academy of Engineering Course Descriptions

21005	Principles of Engineering I	9-12	1.0 Units	Daily/All Year
-------	-----------------------------	------	-----------	----------------

This STEM course makes a contribution to the curriculum by providing opportunities for students and teachers to link content together and apply it to solve problems. More and more jobs demand advanced skills, requiring that team members be able to learn, reason, think creatively, make decisions, and solve problems. An understanding of science, technology, engineering and math and their methods contribute in an essential way to these skills. Principles of Engineering is a team based advanced course designed for most students. Students who complete this course will engage in real world case studies and learning activities that focus on the engineering process, making the world a better place to live and work.

21005II	Principles of Engineering II	10-12	1.0 Units	Daily/All Year
---------	------------------------------	-------	-----------	----------------

Principles of Engineering II will expand students' knowledge of major engineering concepts such as modeling, systems, design, optimization, technology-society interaction, and ethics.

Particular topics may include applied engineering graphic systems, communicating technical information, engineering design principles, material science, research and development processes, and manufacturing techniques and systems. The courses may also cover the opportunities and challenges in various branches of engineering. **Pre-requisite: Principles of Engineering I**



21006	3D Solid Modeling	10-12	0.5 Units	Daily/Semester 1
-------	-------------------	-------	-----------	------------------

Learning 3D design is an interactive process. Students learn best when they can explore practical applications of the concepts presented. This STEM course has many activities and exercises that enable students to put design concepts into practice. Students solidify ideas such as artificial heart components, extreme sports equipment, hip replacement parts, robotic arm components, and musical instruments to name a few. Ideas become reality in this course. **Prerequisites: Students must have successfully completed Principles of Engineering I**

21010	Design for Manufacturing	10-12	0.5 Units	Daily/Semester 2
-------	--------------------------	-------	-----------	------------------

Design for Manufacturing teaches general manufacturing techniques. Calculations and analysis tools are used to design and refine students' concepts. This course applies and integrates ideas that have been generated in other courses and creates life size models and prototypes. Industry standard software and machinery are used to manufacture students' ideas with verification programs to determine the viability for a plan to be mass-produced. Certification will advance students toward continuing education and career opportunities in the fields of engineering, design and machine operation. **Prerequisites: Students must have successfully completed Principles of Engineering I.**

21014	Foundations in Biotechnology	12	1.0 Units	Daily/All Year
-------	------------------------------	----	-----------	----------------

This STEM based course explores the world of biotechnology including the basics of microbiology, bioprocessing, genetic engineering, and biotechnology careers as well as examining the role of biotechnology in the medical field. Bioengineering, forensics and food biotechnology are also topics students will explore. This course is a hands-on, experiment-based experience that will keep students interested in exciting lab-based learning. **Prerequisites: Students must have successfully completed Principles of Engineering, Biology, Chemistry, and Algebra II.**

21009	Robotics	9-12	0.5 Units	Daily/1 Semester
-------	----------	------	-----------	------------------

This is an intensive hands-on course where students learn the basics of Robotic systems. Students will develop and expand their skills and knowledge in this area so that they can design and develop robotic devices. Student teams regularly compete in local and national robotics competitions such as SEAPEARCH, FIRST Robotics, MATE ROV, etc. Topics covered include mechanics, electrical and motor controls and drives, pneumatics, computer basics, and programmable logic controllers, gear systems and Mechatronics. Students are expected to participate on at least one competition team.

21009	Advanced Robotics	10-12	0.5 Units	Semester 1 or 2
-------	-------------------	-------	-----------	-----------------

Students successfully completing Robotics will experience an in-depth study of robotic automation implementing advanced engineering skills through the programming of robotic arms, supply chain systems, and drones. **Pre-requisite: Students must have taken Robotics and Introduction to Programming.**



## NAF ACADEMY OF FINANCE

Course #	Title	Grade	Units	Length
12051	Principles of Finance	10	0.5	Daily/Semester 1
12103	Applied Finance	10	0.5	Daily/Semester 2
12053	Entrepreneurship	11-12	1.0	Daily/All Year
12099	Ethics in Business	11-12	0.5	Daily/Semester 1
12106	Insurance	11-12	0.5	Daily/Semester 2
12101	Financial Services	10-11	0.5	Daily/Semester 1
12149	Financial Planning	10-11	0.5	Daily/Semester 2
12104PA	Principles of Accounting	11-12	0.5	Daily/Semester 1
12104MA	Managerial Accounting	11-12	0.5	Daily/Semester 2
1219121	Financial Markets	11-12	0.5	Daily/1 Semester
12148	School Based Internship	12	0.5	Daily/1 Semester

### Academy of Finance Course Descriptions

12051	Principles of Finance	9-12	0.5 Units	Daily/Semester 1
-------	-----------------------	------	-----------	------------------

This is the first course students take in the Academy of Finance and introduces students to the financial world. Students develop financial literacy as they learn about the function of finance in society. They study income and wealth; examine financial institutions; learn how businesses raise capital; and study key investment-related terms and concepts. They also research how innovations have changed the financial services field. Finally, students explore careers that exist in finance today. **Requirement: Must take Applied Finance immediately after this course. This is the minimum pre-requisite course for all Finance classes.**

12103	Applied Finance	9-12	0.5 Units	Daily/Semester 2
-------	-----------------	------	-----------	------------------

Applied Finance delves into the financial concepts introduced in Principles of Finance. Students learn to identify the legal forms of business organization and continue to develop an understanding of profit. They learn about various financial analysis strategies and the methods by which businesses raise capital. Students also have the chance to explore, in depth, topics of high interest in the field of finance, and explore the types of careers that exist in finance today. **Requirement: Must be taken immediately following Principles of Finance.**

12053	Entrepreneurship	11-12	1.0 Units	Daily/All Year
-------	------------------	-------	-----------	----------------

Entrepreneurship introduces students to the critical role entrepreneurs play in the national and global economy. Students learn the skills, attitudes, characteristics, and techniques necessary to become successful entrepreneurs. They explore starting a business and learn about the operational issues and financial risks that new businesses face. Students examine ethical issues and develop a framework for managing them. **Prerequisites: Students must have successfully completed Principles of Finance and Applied Finance, or Financial Services and Financial Planning.**



12099	Ethics in Business	11-12	0.5 Units	Daily/Semester 1
-------	--------------------	-------	-----------	------------------

This course introduces the importance of ethics in business. Students focus on the significance of ethics to stakeholders; examine who bears responsibility for monitoring ethics; and explore ethical situations common in organizations. Students examine how ethics affects various business disciplines and consider the impact of organizational culture. Students also explore ethics as social responsibility, the evolution of ethics in international business, and how the free market and ethics can coexist. **Requirement: Must take Insurance immediately after this course. Prerequisites: Students must have successfully completed Principles of Finance and Applied Finance.**

12106	Insurance	9-12	0.5 Units	Daily/1 Semester
-------	-----------	------	-----------	------------------

This course introduces students to the insurance industry and to its critical role in the financial services sector and in society. It covers common types of insurance, including life, health and disability, property, liability, and forms of commercial insurance. Students examine the business model underlying the industry and how underwriting, actuarial science, and investment practices affect an insurance company's financial success. **Pre-requisite: Principles of Finance**

12101	Financial Services	10-12	0.5 Units	Daily/Semester 1
-------	--------------------	-------	-----------	------------------

This course gives students an overview of banks and other financial services companies. It introduces students to the origins of money and banking and examines the early history of banking in the United States. Students study the financial services industry and the types of companies it includes in depth. They learn about the services offered by such companies and analyze the ways these companies earn profits. Finally, students examine careers in financial services. **Pre-requisite: Principles of Finance**

12149	Financial Planning	10-12	0.5 Units	Daily/Semester 2
-------	--------------------	-------	-----------	------------------

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

12104PA	Principles of Accounting	10-12	0.5 Units	Daily/Semester 2
---------	--------------------------	-------	-----------	------------------

Principles of Accounting provide students with an understanding of the accounting process and how it facilitates decision making by providing data and information to internal and external stakeholders. Students learn that accounting is an integral part of all business activities. They learn how to apply technology to accounting by creating formulas and inputting data into spreadsheets. **Requirement: Must take Managerial Accounting immediately after this course. Prerequisites: Students must have successfully completed Principles of Finance and Applied Finance, or Financial Services and Financial Planning.**

12104MA	Managerial Accounting	10-12	0.5 Units	Daily/Semester 2
---------	-----------------------	-------	-----------	------------------

Managerial Accounting introduces the fundamentals of management accounting, including manufacturing and cost accounting, budgeting, accounting for managerial decision-making, and financial statement analysis. Students learn how to use accounting information for internal decision-making and



planning and control. Regardless of the career path they choose, this course gives students the financial acumen necessary to make informed personal and business decisions. **Requirement: Must be taken immediately following Principles of Accounting.**

12101	Financial Markets	10-12	0.5	Daily/1 Semester
-------	-------------------	-------	-----	------------------

This course provides an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments **Pre-requisite: Principles of Finance**

12148	School Based Internship	12	0.5	Daily/1 Semester
-------	-------------------------	----	-----	------------------

The school-based internship is a unique learner-centric opportunity whereby students work in the school store and Sovereign Bank at the High School. Students gain hands-on experience running a store which includes everything from merchandising, marketing, pricing, promotions, inventory management, calculating return on investment, and financial management. Students will also receive an 8-week bank training module of all aspects of bank operations directly from Management of Santander Bank which will make students eligible to work in the bank located at the High School. This school-based internship opportunity will afford the students to transition to a position with Santander outside of school.

**Prerequisite: Student must have successfully completed 3 NAF courses or enrolled in Business Technology.**



## NAF ACADEMY OF HEALTH SCIENCES

Course #	Title	Grade	Units	Length
14001	Exploration of Health Careers	10	0.5	Daily/1 Semester
14254	Global Health	10	0.5	Daily/1 Semester
08055	First Responder	10-12	0.5	Daily/1 Semester
03053H	Anatomy & Physiology Honors	11-12	1.0	Daily/All Year
14298	Occupational Nursing	12	1.5	3 Per Daily/1 Semester
08017	Introduction to Sports Medicine	11-12	1.0	Daily/All Year

### Academy of Health Sciences Course Descriptions

14001	Exploration of Health Careers	9-11	0.5 Units	Daily/1 Semester
-------	-------------------------------	------	-----------	------------------

Exploration of Health Careers is a survey course designed to introduce students to a broad spectrum of health careers. The course covers careers from the five pathways: diagnostic services, therapeutic services, health informatics, support services, and biotechnology research and development. For each career they study, students examine the main tasks and challenges of professionals in that career, the treatments they administer, and the interaction those professionals have with other professionals.

14254	Global Health	9-11	0.5 Units	Daily/1 Semester
-------	---------------	------	-----------	------------------

Global Health introduces students to public health on a global scale. Students learn what disease is and investigate how it impacts world populations. By studying different societies, they learn about the relationship between health and socioeconomic development. Students learn how environmental, nutritional, and behavioral risk factors jeopardize health. And then they learn how communities, the government, and cooperative global efforts can intervene to improve health.

08055	First Responder	10-12	0.5 Units	Daily/1 Semester
-------	-----------------	-------	-----------	------------------

This course is designed to give students a basic understanding of Community First Aid and skills in the procedures for giving care to victims who are suddenly ill or injured. The student will be trained in basic life saving techniques. Upon successful completion of this course, the student will qualify for Adult/Child/Infant CPR/AED certificates.

03053H	Anatomy & Physiology Honors	11-12	1.0 Units	Daily/All Year
--------	-----------------------------	-------	-----------	----------------

This course is an introduction to the structure and function of the human body at a cellular and organismic level, the following body systems: cardiovascular, respiratory, lymphatic system and immunity, digestive, urinary, and reproductive. This course uses a wide range of assessment products in addition to quizzes and exams to evaluate students' mastery of the material. It also teaches students how to use lab equipment safely. Then students learn about the following body systems: integumentary, skeletal, muscular, nervous, and endocrine, with separate lessons on the brain and the senses. Students must have successfully completed Biology, Chemistry, and Algebra I.





14298	Occupational Nursing - CNA	12	1.5 Units	3 Per Day/1 Semester
-------	----------------------------	----	-----------	----------------------

This course will meet for three periods and is designed to combine classroom activities with hands-on experience in a long-term care facility. The student will apply learned procedures in basic nursing care and in the use and care of equipment. A certificate in occupational nursing is awarded upon successful completion of this course. This is a state-approved course in Massachusetts. Upon completion, students are eligible to take the state certification test for Nursing Assistant. With this training, the student may seek employment and is encouraged to use this background toward further education in a health career upon graduating. Uniforms, shoes, and nametags are to be provided to the students. The school will provide transportation to the long-term care facility. **Prerequisites: 1. Sixteen years of age during school year 2. Physical examination and tuberculosis test are required. Prerequisites: Students must have successfully completed Exploration of Health Careers and Global Health.**

08017	Introduction to Sports Medicine	12	1.0 Units	Daily/All Year
-------	---------------------------------	----	-----------	----------------

This is a college readiness course to prepare highly motivated students interested in pursuing a career in the professional field of sports medicine. This lab oriented course is designed to provide an opportunity for the study and application of the components and skills of sports medicine involving: sports medicine related careers, organization and administrative considerations, emergency preparedness, injury prevention, applied human anatomy and physiology, recognition, evaluation and care of athletic musculoskeletal injuries and general medical conditions, rehabilitation of athletic injuries involving therapeutic modalities and therapeutic exercise, sports psychology, management skills involving taping and wrapping techniques, CPR/AED certification, and sports nutrition. **Prerequisites: Students must have successfully completed Global Health, First Responder, and Anatomy & Physiology II.**



## NAF ACADEMY OF INFORMATION TECHNOLOGY

Course #	Title	Grade	Units	Length
10152	Intro to Programming	9-11	0.5	Daily/All Year
10102	Computer Systems	10-11	0.5	Daily/Semester 1
10103	Computer Networking	10-11	0.5	Daily/Semester 2
10101	Principles of Information Technology	10	0.5	Daily/Semester 1
10158AP	AP Computer Science	11-12	1.0	Daily/All Year
10104	Cisco Networking Academy Routing and Switching 1	12	0.5	Daily/Semester 1
10105	Cisco Networking Academy Routing and Switching 2	12	0.5	Daily/Semester 2
11153	Graphic Design	9-12	0.5	Daily/1 Semester
11051I	Digital Video I	9-12	0.5	Daily/Semester 1
11051II	Digital Video II	9-12	0.5	Daily/Semester 2
10201	Web Design	9-12	0.5	Daily/1 Semester
10053	Database Design	9-12	0.5	Daily/1 Semester

### Academy of Information Technology Course Descriptions

10152	Introduction to Programming	9-11	1.0 Units	Daily/All Year
-------	-----------------------------	------	-----------	----------------

Introduction to Programming uses Python as a basis for learning general programming skills. Students learn programming principles by comparing Python to other programming languages. They use models as a way to quickly solve new problems using knowledge and techniques already learned. Students complete over 60 programs in the course, including both text and graphics/animation programs. In addition to programming, students learn program design, documentation, formal debugging, and testing. Finally, students examine career opportunities in programming.

10102	Computer Systems	10-11	0.5 Units	Daily/Semester 1
-------	------------------	-------	-----------	------------------

Computer Systems walks students through the intricacies of setting up hardware, installing software, connecting to a network, and connecting to the Internet. Students get hands-on practice upgrading operating systems. They get practice assembling and disassembling computer hardware including peripherals, motherboards, FRUs, and connectors. Students also learn troubleshooting techniques. Finally, students get a chance to explore careers for computer systems professionals. **Requirement: This course to be followed immediately by Computer Networking.**

10103	Computer Networking	10-11	0.5 Units	Daily/Semester 2
-------	---------------------	-------	-----------	------------------

Computer Networking is a hands-on introduction to peer-to-peer, client/server, and cloud computing networks. The course guides students through all phases of implementing and troubleshooting common TCP/IP Ethernet networks. It covers network components, cables, and connectors, as well as the OSI model, protocols, and topologies. Students implement and troubleshoot a LAN and learn about access issues for WANs. Students also get hands-on experience with cloud computing. Finally, students explore



opportunities for network-related careers. Requirement: **This course must be taken immediately following Computer Systems. Prerequisite: Student must have successfully completed Computer Systems.**

10101	Principles of Information Technology	10	0.5 Units	Daily/Semester 1
-------	--------------------------------------	----	-----------	------------------

The Principles of Information Technology course provides an overview of information technology (IT) today. It serves as the foundation for all of the core courses offered by the Academy of Information Technology. The course provides students with an introduction to hardware, looking at both peripherals and inside the box. (Grades 10-12).

10158AP	AP Computer Science	11-12	1.0 Units	Daily/All Year
---------	---------------------	-------	-----------	----------------

This course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. **Requirements: Participation in the AP Exam**

10104	CCNA Routing and Switching I	12	0.5 Units	Daily/Semester 1
-------	------------------------------	----	-----------	------------------

Cisco Certified Network Associate (CCNA) Routing and Switching is a certification program for entry-level network engineers that helps maximize your investment in foundational networking knowledge and increase the value of your employer's network. CCNA Routing and Switching is for Network Specialists, Network Administrators, and Network Support Engineers with 1-3 years of experience. The CCNA Routing and Switching validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks. **Requirements: Participation in the Cisco Certified Entry Network Technician or Cisco Certified Network Associate exam.**

10105	CCNA Routing and Switching II	12	0.5 Units	Daily/Semester 2
-------	-------------------------------	----	-----------	------------------

Cisco Certified Network Associate (CCNA) Routing and Switching is a certification program for entry-level network engineers that helps maximize your investment in foundational networking knowledge and increase the value of your employer's network. CCNA Routing and Switching is for Network Specialists, Network Administrators, and Network Support Engineers with 1-3 years of experience. The CCNA Routing and Switching validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks. **Requirements: Participation in the Cisco Certified Entry Network Technician or Cisco Certified Network Associate exam**

11051I	Digital Video I	9-12	0.5 Units	Daily/Semester 1
--------	-----------------	------	-----------	------------------

Digital Video Production provides a hands-on introduction to digital video production. It guides students through all phases of digital video production, from planning, executing, and managing a video shoot to editing footage. Students explore methods of sharing and broadcasting digital videos, including platform versions, CDs/DVDs, and web delivery. They also learn about publicizing a digital video, using techniques



such as search engines to direct viewers to the production. Finally, students explore career opportunities in digital video production. **Requirement: Must be taken before Digital Video Production II.**

11051II	Digital Video II	9-12	0.5	Daily/Semester 2
---------	------------------	------	-----	------------------

This is an extension of Digital Video Production I NAF. Students will continue to film original material and edit it digitally. Students will work as part of a collaborative team to record school events and may be asked to assist in the production and editing process. **Requirement: Must be taken immediately after Digital Video Production I.**

11153	Graphic Design	9-12	0.5	Daily/1 Semester
-------	----------------	------	-----	------------------

Graphic Design provides a hands-on introduction to the technical and creative skills of a professional graphic designer. First students learn the distinguishing features of communicating visually through graphic design. Next, they gain technical skills in Adobe Photoshop to equip them for graphic design work. From there, students master the basic principles of graphic design, and then delve into the elements of graphic design, such as color, typography, and images.

10201	Web Design	9-12	0.5	Daily/1 Semester
-------	------------	------	-----	------------------

Web Design is a hands-on introduction to designing, building, and launching websites. Students learn the basics of HTML coding, explore various web development tools, and get practice creating websites using Adobe Dreamweaver. They learn how to make their websites more effective by applying the principles of design as well as usability and accessibility criteria. Finally, students take a look at various career opportunities in web design.

	Database Design	9-12	0.5	Daily/1 Semester
--	-----------------	------	-----	------------------

Database Design covers all aspects of the database life cycle, from collecting user requirements to delivering a database application. Students get hands-on practice in a true-to-life database project as they move from a statement of requirements to a conceptual model, then to an entity-relationship model. They translate this into a relational database. Finally, they create, test, and document the associated database application. Students also examine career opportunities as database technicians.

## NAF ACADEMY OF HOSPITALITY AND TOURISM

Course #	Title	Grade	Units	Length
16202G	Event Planning	9-12	0.5	Daily/1 Semester
12159G	Delivering Great Customer Service	9-12	0.5	Daily/1 Semester
12159	Hospitality Marketing	11-12	0.5	Daily/1 Semester
16153	Sustainable Tourism	11-12	0.5	Daily/Semester 1

## Academy of Hospitality and Tourism Course Descriptions



12159G	Delivering Great Customer Service	9-12	0.5	Daily/1 Semester
--------	-----------------------------------	------	-----	------------------

The Delivering Great Customer Service course introduces students to the concept of service as a critical component of a hospitality or tourism business. It combines learning current theory and practice with observations of customer service in action, role-play, and critical analysis of models to provide a comprehensive perspective on this subject. By the end of the course, students come to realize that the principles of great customer service have wide-ranging implications for all professional endeavors.

12159	Hospitality Marketing	11-12	1.0	Daily/1 Semester
-------	-----------------------	-------	-----	------------------

Hospitality Marketing introduces students to the objectives, strategies, and tools that are important to marketing in the hospitality industry. This course exposes students to the wide range of marketing options that all marketing managers and business owners consider as they create marketing plans. Pre-req: 1 prior Hospitality course.

16153	Sustainable Tourism	11-12	0.5	Daily/Semester 1
-------	---------------------	-------	-----	------------------

Students learn about the profound changes that are taking place worldwide in the tourism industry—changes that will permanently alter the development, management, and relationship of every tourist business to its community.

16202G	Event Planning	9-12	0.5	Daily/1 Semester
--------	----------------	------	-----	------------------

The event planning course introduces students to the skills and knowledge required in the event planning profession. Topics include aligning events with client goals, budgeting and bidding, sustainable practices, venue selection and management, personnel considerations, marketing and sports sponsorship. Students will have the opportunity to collaborate with industry leaders in Hospitality and Tourism that will include actual event planning for the Greater New Bedford community.

## CHAPTER 74 PROGRAMMING

12001-04	Business Technology	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units*	Daily/All Year
----------	---------------------	--	------------	----------------

\*Students in grades 11-12 will be in Business Technology for multiple consecutive periods depending on hours previously completed and will earn 1 unit credit per period.

Business Technology Education is a specialized area of study with a broad field of applications. The Business Technology Chapter 74 program implements the Department of Elementary and Secondary Education Vocational Technical Frameworks. Business Technology students learn essential skills applied to business development, entrepreneurship, financial concepts, investments, marketing, accounting, website development, social media skills, management, career development, technology literacy and employability. The program integrates academic skill-based content connected to English Language Arts, Mathematics, and Science throughout all projects and instruction. The theory taught in the classroom is applied through hands-on project-based learning. It is our goal as a team to create an environment that inspires intrinsic motivation.



Students enrolled in Business Technology must complete 900 hours of instructional time to satisfactorily complete the program. This will be accomplished through shop program time and related theory instruction. Some students may complete a work-based learning experience through cooperative education or an internship during the scope of their program.





## ENGLISH LANGUAGE ARTS

Course #	Title	Grade	Units	Length
01001	ELA 9	9	1.0	Daily/All Year
01001H	ELA 9 PreAP	9	1.0	Daily/All Year
01103AOH	ELA Composition	9	1.0	Daily/All Year
01002	ELA 10	10	1.0	Daily/All Year
01002H	ELA 10 PreAP	10	1.0	Daily/All Year
01992Fresh	MCAS ELA Preparation grade 9	9	0.5	Daily/Semester 2
01992Soph	MCAS ELA Preparation grade 10	10	0.5	Daily/Semester 1
01003	ELA 11	11	1.0	Daily/All Year
01003H	ELA 11 Honors	11	1.0	Daily/All Year
01005	AP Language & Composition	11	1.0	Daily/All Year
01004	ELA 12	12	1.0	Daily/All Year
01006	AP Literature & Composition	12	1.0	Daily/All Year
22110	AP Seminar	9/10	1.0	Daily/All Year
22112AOH	AP Research	10/11	1.0	Daily/All Year

### English Language Arts Course Descriptions

01001	ELA 9	9 <sup>th</sup> Grade	1.0 Unit	Daily/All Year
-------	-------	-----------------------	----------	----------------

This standards-based course is for students who plan to attend college. All English skills will be stressed and will reflect those outlined in the Common Core Massachusetts Language Arts Frameworks. Critical thinking will be encouraged, literary analysis will be done, and reading assignments will be taken from inclusive literary as well as non-fiction texts. Composition work will include the writing of essays of various types. Close reading, citing evidence from the text and writing in many genres will be emphasized. Continued emphasis will be placed on organization, clarity, and revision of writing assignments.

01001H	ELA 9 PreAP	9 <sup>th</sup> Grade	1 Units	Daily/All Year
--------	-------------	-----------------------	---------	----------------

This PreAP standards-based course is for students who plan to take an AP course in high school and attend college after high school. In this intensive English course skills will be stressed and will reflect those outlined in the Common Core State standards as well as the CollegeBoard PreAP Curriculum. Close reading, citing evidence from the text and critical thinking will be encouraged, research skills will be introduced, and reading assignments will be taken from complex fiction and nonfiction texts. Writing in many genres will be emphasized. Continued emphasis will be placed on organization, clarity, and revision of writing assignments.

01103AOH	ELA Composition	9 <sup>th</sup> Grade	1.0 Unit	Daily/All Year
----------	-----------------	-----------------------	----------	----------------

This course is designed to engage students in Common Core State standards through the careful reading and critical analysis of texts and rigorous writing assignments. The course aligns with the AP Seminar



curriculum as a preparatory class that gives students a strong foundation in basic as well as advanced reading, analysis, argumentation, writing, and presentation skills.

01002	ELA 10	10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------	------------------------	-----------	----------------

This course is designed to engage students in Common Core State standards through the careful reading and critical analysis of texts. Students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers through the close reading of selected poetry, drama, non-fiction, and novels. As they read, students consider a work's structure, a writer's style, arguments and themes. Smaller-scale elements such as the use of figurative language, imagery, symbolism and tone are also analyzed. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Essay writing, analysis of diverse works of literature, as well as oral presentations and cooperative learning activities will be included in course work. The primary goal of this course is to prepare students for further advanced study in English Language Arts in the upper grade levels.

01002H	ELA 10 PreAP	10 <sup>th</sup> Grade	1.0 Unit	Daily/All Year
--------	--------------	------------------------	----------	----------------

This course is designed to engage students in Common Core State standards through the careful reading and critical analysis of texts. Students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers through the close reading of selected poetry, drama, non-fiction, and novels. As they read, students consider a work's structure, a writer's style, arguments and themes. Smaller-scale elements such as the use of figurative language, imagery, symbolism and tone are also analyzed. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Essay writing, analysis of diverse works of literature, as well as oral presentations and cooperative learning activities will be included in course work. The primary goal of this course is to prepare students for further advanced study in English Language Arts at the AP course level in the upper grade levels.

01992Soph	MCAS ELA Preparation	10 <sup>th</sup> Grade	0.5 Units	Semester 1
-----------	----------------------	------------------------	-----------	------------

This course is designed to give 10<sup>th</sup> grade students an opportunity to prepare for the MCAS exam. The curriculum gives students exposure to rigorous practice with the three types of writing on the MCAS exam, improving their reading comprehension and fluency, and strengthening their ability to analyze literature.

01992Fresh	MCAS ELA Preparation	9 <sup>th</sup> Grade	0.5 Units	Semester 2
------------	----------------------	-----------------------	-----------	------------

This course is designed to give 9<sup>th</sup> grade students an opportunity to prepare for the MCAS exam by strengthening the skills that they are learning in ELA or ESL class as freshmen. The curriculum gives



students exposure to rigorous practice with the three types of writing on the MCAS exam, improving their reading comprehension and fluency, and strengthening their ability to analyze literature.

01003	ELA 11	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------	------------------------	-----------	----------------

This course is designed to engage students in Common Core State standards through the careful reading and critical analysis of texts. The focus is on literary, informational, and persuasive texts that are inclusive of various voices and perspectives. Students deepen their understanding of the ways writers use language to provide meaning for their readers through the close reading of selected poetry, drama, non-fiction, and novels. As they read, students consider a work's structure, a writer's style, arguments and themes. Smaller-scale elements such as the use of figurative language, imagery, symbolism and tone are also analyzed. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Research papers, essay writing, analysis of diverse literature, as well as oral presentations and cooperative learning activities will be included in course work.

01003H	ELA 11 Honors	11 <sup>th</sup> Grade	1.0 Unit	Daily/All Year
--------	---------------	------------------------	----------	----------------

This course is designed to engage students in Common Core State standards through the careful reading and critical analysis of texts. The focus is on literary, informational, and persuasive texts that are inclusive of various voices and perspectives. Students deepen their understanding of the ways writers use language to provide meaning for their readers through the close reading of selected poetry, drama, non-fiction, and novels. As they read, students consider a work's structure, a writer's style, arguments and themes. Smaller-scale elements such as the use of figurative language, imagery, symbolism and tone are also analyzed. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. Research papers, essay writing, analysis of diverse literature, as well as oral presentations and cooperative learning activities will be included in course work. The primary goal of this course is to prepare students for further advanced study in English 12 or AP Literature and Composition in grade 12.

01005	AP Language & Composition	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---------------------------	------------------------	-----------	----------------

This course is a yearlong course primarily for grade eleven students and is usually the first AP course that students take in English Language Arts. In this course, students will read a wide variety of texts. They are taught rudimentary elements of rhetoric: writing with a purpose, addressing an audience with particular text structures, and using an appropriate style. Additionally, instruction will be provided in argumentation, in the skills of synthesizing, paraphrasing, quoting, and citing secondary sources of material. **Participation in the AP Exam is required.**

01004	ELA 12	12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------	------------------------	-----------	----------------

This course is designed to engage students in Common Core State standards through the careful reading and critical analysis of texts. In this course, students deepen their understanding of the ways writers use



language to provide meaning for their readers through the close reading of selected poetry, drama, non-fiction, and novels. As they read, students consider a work's structure, a writer's style, arguments and themes. Smaller-scale elements such as the use of figurative language, imagery, symbolism and tone are also analyzed. In addition to considering a work's literary artistry, students reflect on the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context provides a foundation for interpretation. The second focus is writing skills. Research papers, essay writing, analysis of literature, as well as oral presentations and will be included in course work.

01006	AP LITERATURE & COMPOSITION	12 <sup>TH</sup> GRADE	1.0 UNITS	DAILY/ALL YEAR
-------	-----------------------------	------------------------	-----------	----------------

This course is taught at the college level and is primarily a twelfth-grade course chiefly concerned with exposing students to challenging World, British and American literature and preparing students to take the national Advanced Placement English Literature Exam in May. Students who take and pass the Advanced Placement Exam can qualify for college credit. In the course there will be particular focus on writing extemporaneous essays and on analyzing novels, plays, and poetry from a variety of traditions.

**Participation in the AP Exam is required.**

22110	AP SEMINAR	9 <sup>TH</sup> . 10 <sup>TH</sup> GRADE	1.0 UNITS	DAILY/ALL YEAR
-------	------------	--	-----------	----------------

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. **Participation in the AP Exam is required.**

22112AOH	AP RESEARCH	10 <sup>TH</sup> , 11 <sup>TH</sup> GRADE	1.0 UNITS	DAILY/ALL YEAR
----------	-------------	---	-----------	----------------

AP Research is the second course in the AP Capstone™ program. The course tasks students with doing extensive research in an area and topic of their choosing, writing and answering an original research question through one or more research methods that fills a “gap” in the current research available on that particular topic of inquiry. AP Seminar is a prerequisite for AP Research. If you earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of your choosing, you will receive the AP Capstone Diploma™. This signifies outstanding academic achievement and attainment of college-level academic and research skills. Alternatively, if you earn scores of 3 or higher in AP Seminar and AP Research only, you will receive the AP Seminar and Research Certificate™. **Participation in the AP Exam is required.**



## ENGLISH LANGUAGE EDUCATION

<i>English Language Education</i>				
Course #	Title	Grade	Units	Length
01008BLD9	Basic Language Development 9	9	1.0	Daily/All Year
01008BLD10	Basic Language Development 10	10	1.0	Daily/All Year
01008BLD1112	Basic Language Development 11/12	11-12	1.0	Daily/All Year
01008ESLD9	Developing ESL 9	9	2	2 Periods Daily/All Year
01008ESLD10	Developing ESL 10	10	2	2 Periods Daily/All Year
01008ESLD1112	Developing ESL 11/12	11-12	2	2 Periods Daily/All Year
01008ESLI9	Intermediate ESL Grade 9	9	2	2 Periods Daily/All Year
01008ESLI10	Intermediate ESL Grade 10	10	2	2 Periods Daily/All Year
01008ESLI1112	Intermediate ESL 11/12	11-12	2	2 Periods Daily/All Year
01008NC	English Language Development	9-12	2	2 Periods Daily/All Year
01008PT	English Language Developing	9-12	2	2 Periods Daily/All Year
01008RW1A	ESL 1A Reading & Writing	9-12	0.5	Daily/1 Semester
01008RW1B	ESL 1B Reading & Writing	9-12	0.5	Daily/Semester 2
01008SL	English Language Development	9-12	2	2 Periods Daily/All Year
01009ESL	English as a Second Language/Language Laboratory	9-12	1	Daily/All Year
01066ESL	Reading Skills Strategies	9-12	1	Daily/All Year
01156G	Honors Applied English & Communications	9-12	1	Daily/All Year
<i>Sheltered Content Courses (Level 3)</i>				
Course #	Title	Grade	Units	Length
02052SEI	Algebra 1 SEI	9-12	1.0	Daily/All Year
02072SEI	Geometry SEI	9-12	1.0	Daily/All Year
02056SEI	Algebra II SEI	9-12	1.0	Daily/All Year
02158SEI	Quantative Reasoning SEI	9-12	1.0	Daily/All Year
2110SEI	Pre-Calculus SEI	9-12	1.0	Daily/All Year
NC	Physics First SEI	9-12	1.0	Daily/All Year
03051SEI	Biology I SEI	9-12	1.0	Daily/All Year
03099SEI	Biology II SEI	9-12	1.0	Daily/All Year
03003SEI	Environmental Science SEI	9-12	1.0	Daily/All Year
04053SEI	Modern World History SEI	9-12	1.0	Daily/All Year
04102SEI	United States History I SEI	9-12	1.0	Daily/All Year
04103SEI	United States History II SEI	9-12	1.0	Daily/All Year







### **English Language Education Course Descriptions**

01008BLD9	Basic Language Development 9	9	1.0	Daily/All Year
-----------	------------------------------	---	-----	----------------

This course is for 9th grade English learners who have scored 1.0 – 1.9 overall on ACCESS. Throughout the year, students will begin to develop their English proficiency in reading, writing, speaking, and listening. Students will learn how to use English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008BLD10	Basic Language Development 10	10	1.0	Daily/All Year
------------	-------------------------------	----	-----	----------------

This course is for 10th grade English learners who have scored 1.0 – 1.9 overall on ACCESS. Throughout the year, students will begin to develop their English proficiency in reading, writing, speaking, and listening. Students will learn how to use English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008BLD1112	Basic Language Development 11/12	11-12	1.0	Daily/All Year
--------------	----------------------------------	-------	-----	----------------

This course is for 11th and 12th grade English learners who have scored 1.0 – 1.9 overall on ACCESS. Throughout the year, students will begin to develop their English proficiency in reading, writing, speaking, and listening. Students will learn how to use English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008ESLD9	Developing ESL 9	9	2	2 Periods Daily/All Year
------------	------------------	---	---	--------------------------

This course is for 9th grade English learners who have scored 2.0 – 2.9 overall on ACCESS. Throughout the year, students will continue to develop their English proficiency in reading, writing, speaking, and listening. Students will learn how to use English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008ESLD10	Developing ESL 10	10	2	2 Periods Daily/All Year
-------------	-------------------	----	---	--------------------------

This course is for 10th grade English learners who have scored 2.0 – 2.9 overall on ACCESS. Throughout the year, students will continue to develop their English proficiency in reading, writing, speaking, and listening. Students will learn how to use English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008ESLD1112	Developing ESL 11/12	11-12	2	2 Periods Daily/All Year
---------------	----------------------	-------	---	--------------------------

This course is for 11th and 12th grade English learners who have scored 2.0 – 2.9 overall on ACCESS. Throughout the year, students will continue to develop their English proficiency in reading, writing, speaking, and listening. Students will learn how to use English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.



01008ESLI9	Intermediate ESL Grade 9	9	2	2 Periods Daily/All Year
------------	--------------------------	---	---	--------------------------

This course is for 9th grade English learners who have scored 3.0 – 3.4 overall on ACCESS. Throughout the year, students will refine their English proficiency in reading, writing, speaking, and listening. Students will expand their knowledge and use of English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008ESLI10	Intermediate ESL Grade 10	10	2	2 Periods Daily/All Year
-------------	---------------------------	----	---	--------------------------

This course is for 10th grade English learners who have scored 3.0 – 3.4 overall on ACCESS. Throughout the year, students will refine their English proficiency in reading, writing, speaking, and listening. Students will expand their knowledge and use of English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008ESLI1112	Intermediate ESL 11/12	11-12	2	2 Periods Daily/All Year
---------------	------------------------	-------	---	--------------------------

This course is for 11th and 12th grade English learners who have scored 3.0 – 3.4 overall on ACCESS. Throughout the year, students will refine their English proficiency in reading, writing, speaking, and listening. Students will expand their knowledge and use of English for social and academic contexts. Curriculum will connect to all core content areas: the language of language arts, mathematics, science, and social studies.

01008NC	English Language Development	9-12	2	2 Periods Daily/All Year
---------	------------------------------	------	---	--------------------------

This course is for students in the Newcomer program. There is a focus on mastering listening, speaking, reading, and writing at the word/phrase and sentence level, with an introduction to text and discourse. This course emphasizes guided language practice based on functions and forms of language aimed at a specific purpose for communication and includes literacy skills as well as college and career readiness skills. Course Enrollment only with approval of ESL Content Instructional Leader.

01008PT	English Language Developing	9-12	2	2 Periods Daily/All Year
---------	-----------------------------	------	---	--------------------------

Developing ESL - Parenting Teens

01008RW1A	ESL 1A Reading & Writing	9-12	0.5	Daily/1 Semester
-----------	--------------------------	------	-----	------------------

This course is for students in the SLIFE program. Students in this class will strengthen their entering skills in reading and writing. All level 1 SLIFE students will start in ESL 1A during the first semester. A student who fails ESL 1A during the first semester or who arrives after second quarter progress reports will take ESL 1A during second semester.

01008RW1B	ESL 1B Reading & Writing	9-12	0.5	Daily/Semester 2
-----------	--------------------------	------	-----	------------------

This course is for students in the SLIFE program who have passed ESL 1A Reading & Writing during the first semester and arrived before second quarter progress reports. Students in this class will strengthen their entering skills in reading and writing.

01008SL	English Language Development	9-12	2	2 Periods Daily/All Year
---------	------------------------------	------	---	--------------------------



This course is for students in the second year of the SLIFE program. Students in this class will continue to strengthen their emerging skills in reading and writing, with emphasis on language for academic success.

01009ESL	English as a Second Language/Language Laboratory	9-12	1	Daily/All Year
----------	--	------	---	----------------

Students in this course will receive an account on Rosetta Stone and work on acquiring basic language skills, integrating reading, writing, speaking, and listening, at a self-directed pace. This course is designed to provide students with an additional opportunity to strengthen their vocabulary, reading, comprehension and speaking skills in English.

01066ESL	Reading Skills Strategies	9-12	1	Daily/All Year
----------	---------------------------	------	---	----------------

This course is designed for English learners with very limited or no reading ability. Reading instruction is given to students who are not reading at grade level. Emphasis is placed on phonemic awareness, language development, building vocabulary, and increasing reading comprehension and writing skills in English. Concepts of text structure (fiction and non-fiction) will also be an area of instruction. Students enrolled in this course will be preparing for the MCAS.

01156G	Honors Applied English & Communications	9-12	1	Daily/All Year
--------	---	------	---	----------------

This course is for English learners who have scored 3.5+ overall on ACCESS, are transitioning out of ESL and into ELA, and want to continue developing their academic language skills in English. Students learn how to communicate professionally in their writing and speaking. Goals of the course include exiting from the English Learner Education program, preparing to take high level courses and attend college, and working toward achieving the Seal of Biliteracy.

### **Sheltered English Immersion Course Descriptions**

02052SEI	Algebra I SEI	9 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	---------------	---	-----------	----------------

Content matches Algebra I for mainstream students. **ACCESS scores 1.0- 3.4.**

02072SEI	Geometry SEI	10 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	--------------	--	-----------	----------------

Content matches Geometry for mainstream students. **ACCESS scores 1.0- 3.4.**

02056SEI	Algebra II SEI	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	----------------	--	-----------	----------------

Content matches Algebra I for mainstream students. **ACCESS scores 1.0- 3.4.**

02158SEI	Quantative Reasoning SEI	9-12	1.0	Daily/All Year
----------	--------------------------	------	-----	----------------

Content matches Quantative Reasoning for mainstream students. **ACCESS scores 1.0- 3.4.**

2110SEI	Pre-Calculus SEI	9-12 <sup>th</sup> grade	1.0	Daily/All Year
---------	------------------	--------------------------	-----	----------------

Content matches Pre-Calculus for mainstream students. **ACCESS scores 1.0- 3.4.**

03003EL	Environmental Science SEI	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	---------------------------	--	-----------	----------------

Content matches Environmental Science for mainstream students. **ACCESS scores 1.0- 3.4.**



NC	Physics First SEI	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----	-------------------	-----------------------	-----------	----------------

Content matches Physics First for mainstream students. **ACCESS scores 1.0- 3.4.**

03051SEI	Biology I SEI	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	---------------	-----------------------	-----------	----------------

Content matches Biology for mainstream students but the course is divided into two years. **ACCESS scores 1.0- 3.4. Students who completed Biology I will take Biology II the following year.**

03099SEI	Biology II SEI	9 <sup>th</sup> -12 <sup>th</sup> grade	1.0 Units	Daily/All Year
----------	----------------	---	-----------	----------------

Content matches Biology for mainstream students. **ACCESS scores 1.0- 3.4. Students must have completed Biology I to enroll in Biology II.**

04053EL	Modern World History SEI	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	--------------------------	-----------------------	-----------	----------------

Content matches Modern World History for mainstream students. **ACCESS scores 1.0- 3.4.**

04102EL	United States History I SEI	10 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	-----------------------------	--	-----------	----------------

Content matches United States History I for mainstream students. **ACCESS scores 1.0- 3.4.**

04103EL	United States History II SEI	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	------------------------------	--	-----------	----------------

Content matches United States History II for mainstream students. **ACCESS scores 1.0- 3.4.**



## HEALTH AND PHYSICAL EDUCATION

COURSE #	TITLE	GRADE	UNITS	LENGTH
08001	PHYSICAL EDUCATION	9- 12	0.5	DAILY/1 SEMESTER
08051	CONTEMPORARY HEALTH ISSUES	10	0.5	DAILY/1 SEMESTER

### Health & Physical Education Course Descriptions

08001	Physical Education	9 <sup>th</sup> – 12 <sup>th</sup> Grade	0.5 Units	DAILY/1 SEMESTER
-------	--------------------	--	-----------	------------------

Physical education classes will focus on skill- based units with an emphasis on the importance of fitness, cooperative activities, game strategies and lifetime wellness activities. Students will expand their knowledge of wellness and broaden their understanding of the benefits of continuous participation in healthy physical activities throughout their lifetime. When enrolled in Physical Education students will get to participate in one or more of the following:

1. Walking for Cardio
  - a. This semester long class is designed to teach students how to walk for cardiovascular health. Students will learn about different walking/health apps, different walking workouts, and how to create a walking group.
2. Strength and Conditioning
  - a. This semester long course is designed for students to learn proper lifting techniques, spotting methods, and weight room safety and routines. Students will learn how to develop their own workouts and how this translates to a healthy lifestyle post high school. Activities include but not limited to free weights, turf cardio, bike cardio, stretching, and TRX bands work outs
3. Swimming
  - a. This class is for beginners who have no swimming experience who would like to learn different strokes and swim styles in the pool, or advanced swimmers who just love the water. Swimming is a great lifelong fitness activity and students will learn how to swim for recreation and how to swim for a healthier cardiovascular lifestyle. Activities include but not limited to lap swimming, deep water swimming, diving, pool volleyball and pool basketball
4. Team sports
  - a. This class is designed for students who love team sports. Sportsmanship and team play is prioritized and practiced in this class. Students will learn skills, rules, and fundamentals in different team sports as well as team activities. Activities include but not limited to volleyball, hockey, matball, ultimate frisbee and football.
5. Competitive team sports
  - a. This semester long class is for those students who are competitive and love to play team sports. This is an advanced team sports class where focus will be more on strategy and game play rather than fundamentals. Students are expected to participate on different teams in a variety of team sport activities with sportsmanship and higher skill level.



Activities included but not limited to are ultimate frisbee, hockey, handball, volleyball, soccer, etc.

6. Dance

- a. This class is designed for students who are interested in dance. Jazz, contemporary, global dances, stretching and technique with jumps and turns will all be covered in this semester long class. Different dances and choreography will be taught throughout.

7. Lifelong fitness

- a. This class includes a variety of activities students can participate in and learn about around lifelong health. Zumba, Pilates, spin, yoga, and walking are all included in this class. Social emotional wellness is the main priority and learning objective of this class.

8. Individual and Dual Activities

- a. This class is designed for students who like individual and dual activities. Activities might include cup stacking, tennis, badminton, pickleball, and backyard games. Students will learn rules, strategy, and fundamentals in these different individual/dual activities.

9. Adventure Education

- a. This class includes teamwork cooperative games and low adventure activities. It is designed to be a smaller class where students will grow closer together and go through a variety of challenges or team games to bring them closer together. This class is a semester long course.

08051	Contemporary Health Issues	10 <sup>th</sup> Grade	0.5 Units	DAILY/1 SEMESTER
-------	----------------------------	------------------------	-----------	------------------

This course is an overview of current health topics to provide students with a deeper understanding of the physical, mental, emotional and social aspects of personal health, with an emphasis on the impact of personal behavior on individual health and wellness. Students will apply critical thinking skills to health issues they will face as they transition into early adulthood, a time of personal exploration and shaping of identity. They will explore these issues as they further develop more sophisticated health skills, with a focus on analyzing health information based on realistic normative beliefs with regard to health risk behaviors.



## ARMY-JUNIOR RESERVE OFFICER TRAINING PROGRAM

Course #	Title	Grade	Units	Length
09051	Army ROTC I	9	0.5	DAILY/1 SEMESTER
09052	Army ROTC II	10	0.5	Alt/All Year
09053	Army ROTC III	11	0.5	Alt/All Year
09054	Army ROTC IV	12	0.5	Alt/All Year

### Army-Junior Reserve Officer Training Program Course Descriptions

09051	Army ROTC I	9 <sup>th</sup> Grade	0.5 Units	DAILY/1 SEMESTER
-------	-------------	-----------------------	-----------	------------------

Army Junior Reserve Officer Training Corps (**JROTC**) I courses include instruction in the organization and functions of the U.S. Army, leadership skills, and life skills education. The content of these courses may cover (but is not limited to) the history and evolution of the Army - including its structure, operations, customs and courtesies. Map reading and land navigation are introduced. **Personal Skills Maps (Emotional Intelligence), and introductions to college and career planning** as well as substance abuse prevention. These courses also introduce students to principles of leadership, citizenship, and **there are optional classes available for marksmanship and marksmanship safety**. This course is for a 1st year ROTC student.

09052	Army ROTC II	10 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	--------------	------------------------	-----------	--------------

Army Junior Reserve Officer Training Corps (**JROTC**) II courses build upon the content of Army Junior ROTC I and include (but are not limited to) ongoing instruction in leadership principles and citizenship; drill and ceremonies; organizational structure; command and staff relationships functions and responsibilities; significant military campaigns and leaders; and first aid. **The focus shifts to leadership development, time management, problem solving skills and critical thinking. The student will build upon their background for college and career readiness.** This course is for a 2nd year ROTC student.

09053	Army ROTC III	11 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	---------------	------------------------	-----------	--------------

Army Junior Reserve Officer Training Corps (**JROTC**) III courses build upon prior Army Junior ROTC courses giving more emphasis to leadership development. These courses serve to strengthen student's leadership skills (including planning problem-solving, **mentorship**, motivation and **peer-evaluated performance appraisals**). **Students assume primary cadet leadership roles and are tasked as lead trainers for the JROTC program. Strong emphasis is placed upon self-improvement through the Personal Skills Mapping (Emotional Intelligence) and refining career planning or college readiness.** Students study topics introduced in earlier years-such as military history map-reading and orienteering, marksmanship, and drill and ceremonies-at a more advanced level and are also provided with military service opportunities. This course is for a 3rd year ROTC student.

09054	Army ROTC IV	12 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	--------------	------------------------	-----------	--------------





Army Junior Reserve Officer Training Corps (**JROTC**) IV courses focus on practical leadership by assigning students to command and staff positions in which they present instruction to lower Army Junior ROTC classes and continue to study and review staff functions and actions staff-commander relationships and leadership principles. Topics introduced in earlier years **will be** studied at more advanced levels. **Career planning, interest inventories and documented deliverables will be presented for post-graduation plans.** This course is for a 4th year ROTC student.

## MATHEMATICS

COURSE #	TITLE	GRADE	UNITS	LENGTH
02052	ALGEBRA I	9	1.0	DAILY/ALL YEAR
02052H	PREAP ALGEBRA I	9	1.0	DAILY/ALL YEAR
02072	GEOMETRY	10	1.0	DAILY/ALL YEAR
02072H	PREAP GEOMETRY	10	1.0	DAILY/ALL YEAR
02994	MCAS MATH INTERVENTION	10	0.5	ALT/ 1 SEMESTER
02056	ALGEBRA II	11	1.0	DAILY/ALL YEAR
02056H	ALGEBRA II HONORS	11	1.0	DAILY/ALL YEAR
02110	PRE-CALCULUS	11-12	1.0	DAILY/ALL YEAR
02110H	PRE-CALCULUS HONORS	11-12	1.0	DAILY/ALL YEAR
02124AP	AP CALCULUS AB	11-12	1.0	DAILY/ALL YEAR
02125AP	AP CALCULUS BC	12	1.0	DAILY/ALL YEAR
02201	STATISTICS	11-12	1.0	DAILY/ALL YEAR
02203AP	AP STATISTICS	11-12	1.0	DAILY/ALL YEAR
02250	QUANTITATIVE REASONING	12	1.0	DAILY/ALL YEAR

### Mathematics Course Descriptions

02052	Algebra I	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-----------	-----------------------	-----------	----------------

Algebra 1 is an entry level mathematics course for students entering high school. Concepts discussed include number systems, expressions and equations, linear functions systems of equations, exponential functions, operations, polynomials, and quadratic functions. This course will challenge students to understand Algebra through conceptual understanding, application and procedural fluency.

02052H	Pre-AP Algebra I	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	------------------	-----------------------	-----------	----------------

Honors Algebra 1 is an intensive first year mathematics course for students willing to accept a challenge. Concepts discussed include number systems, expressions and equations, linear functions systems of equations, exponential functions, operations, polynomials, and quadratic functions. This course will challenge students to understand Algebra through conceptual understanding, application and procedural fluency. Students enrolled in honors will get an extended understanding of Algebra through additional enrichment activities.

02072	Geometry	10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	----------	------------------------	-----------	----------------



College Geometry is the second course in the mathematics pathway at high school. This is an entry-level mathematics course for students entering high school. Concepts discussed include Geometric tools, Congruence, similarity, triangles, and dimensional analysis of shapes and figures. This course will challenge students to understand Geometry through conceptual understanding, application and procedural fluency. **Prerequisite: Students must have successfully completed Algebra I**

02072H	Pre-AP Geometry	10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	-----------------	------------------------	-----------	----------------

Honors Geometry is an intensive mathematics course for students willing to accept a challenge.

Concepts discussed include Geometric tools, Congruence, similarity, triangles, and dimensional analysis of shapes and figures. This course will challenge students to understand Geometry through conceptual understanding, application and procedural fluency. Students enrolled in honors will get an extended understanding of Geometry through additional enrichment activities. **Prerequisite: Students must have successfully completed Algebra I or Pre-AP Algebra I.**

02994	MCAS Math Intervention	10 <sup>th</sup> Grade	0.5 Units	Daily/Semesters
-------	------------------------	------------------------	-----------	-----------------

This course is an intensive review of material covered in previous math courses for sophomores, juniors or seniors preparing for the MCAS. This course is designed to help students maximize their potential on the MCAS. A combination of test taking strategies and an intensive review of previously learned math skills is stressed. Particular focus on how to answer the open response questions in a well-organized, detailed manner is also emphasized. Not applicable to math graduation requirement.

02056	Algebra II	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	------------	------------------------	-----------	----------------

College Algebra 2 is the third course of the mathematics pathway at high school. Concepts discussed include quadratic and polynomial functions, radical and rational functions, exponential and logarithmic functions and trigonometry. This course will challenge students to understand Algebra concepts through conceptual understanding, application and procedural fluency. **Prerequisite: Students must have successfully completed Geometry.**

02056H	Algebra II Honors	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	-------------------	------------------------	-----------	----------------

Honors Algebra 2 is the third course of the mathematics pathway at the high school and is a course for students willing to accept a challenge. Concepts discussed include quadratic and polynomial functions, radical and rational functions, exponential and logarithmic functions and trigonometry. This course will challenge students to understand Algebra concepts through conceptual understanding, application and procedural fluency. Students enrolled in honors will get an extended understanding of Algebra through additional enrichment activities. **Prerequisite: Students must have successfully completed Geometry.**

02110	Pre-Calculus	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------------	------------------------	-----------	----------------

Pre-Calculus is the third course of the mathematics pathway at the high school and is a blended course for students willing to accept a challenge. Concepts discussed include quadratic and polynomial functions, radical and rational functions, exponential and logarithmic functions and trigonometry as well as the complex number system, polynomials and rational expressions. This course will challenge students to understand mathematical concepts through conceptual understanding, application and procedural fluency. **Prerequisite: Students must have successfully completed Algebra I.**



02110H	Pre-Calculus Honors	10-12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	---------------------	---------------------------	-----------	----------------

Honors Pre-Calculus is the fourth course of the mathematics pathway at the high school and is a course for students willing to accept a challenge. Concepts discussed include vectors, matrices, the complex number system, polynomials and rational expressions and an introduction to calculus. This course will challenge students to understand mathematical concepts through conceptual understanding, application and procedural fluency. Students enrolled in Honors Pre-Calculus are expected to study advanced mathematics through either our Advanced Placement Statistics course or our Advanced Placement Calculus course. **Prerequisite: Students must have successfully completed Pre-AP Geometry or Algebra II.**

02250	Quantitative Reasoning	12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	------------------------	------------------------	-----------	----------------

This is a full year course designed to prepare students to use Algebra, Geometry and Trigonometry to model a range of situations and solve problems in a variety of ways. A significant aspect of the course is group work and oral presentations will be required. Topics include analyzing numerical data, using recursion and functions in models, decision making, graphing and statistical reasoning. Students will use old topics in a new way and will model real-life problems. This course is designed for seniors on an Educational Proficient Plan (EPP) that need a fourth year of math. **Prerequisite: Students must have successfully completed Algebra II or equivalent.**

02201	Statistics	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	------------	--	-----------	----------------

College Statistics is the fourth course of the mathematics pathway at high school. Concepts discussed include frequency distributions, data and graph descriptions, probability and counting rules and correlation and regression. This course will challenge students to understand statistical concepts through conceptual understanding, application and procedural fluency. **Prerequisite: Students must have successfully completed Algebra II or equivalent.**

02203AP	AP Statistics	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	---------------	--	-----------	----------------

Advanced Placement Statistics is a mathematics course for students willing to accept a challenge. Concepts discussed include frequency distributions, data and graph descriptions, probability and counting rules and correlation and regression. This course will challenge students to understand a high level of mathematics through conceptual understanding, application and procedural fluency. **Participation in the AP Exam is required. Prerequisite: Students must have successfully completed Algebra II or equivalent.**

02124AP	AP Calculus AB	11-12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	----------------	---------------------------	-----------	----------------

Advanced Placement Calculus AB is a junior/senior level mathematics course at the high school and is a course for students willing to accept a challenge. AP Calculus AB is designed to be the equivalent of a first semester college calculus course devoted to topics in differential and integral calculus. Concepts discussed include limits, differentiation, integration, and applications of differentiation and integration. **Participation in the AP Exam is required.**



02124AP	AP Calculus BC	12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	----------------	------------------------	-----------	----------------

AP Calculus BC is designed to be the equivalent to both first and second semester college calculus courses. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops additional integration techniques and applications; and introduces the topics of sequences and series. This course will challenge students to understand a high level of mathematics through conceptual understanding, application and procedural fluency. **Participation in the AP Exam is required.**



## SCIENCE

Course #	Title	Grade	Units	Length
03201	Integrated Science	9	1.0	Daily/All Year
03051H	Pre-AP Biology	9	1.0	Daily/All Year
03051	Biology	10	1.0	Daily/All Year
03101H	Pre-AP Chemistry	10	1.0	Daily/All Year
03101	Chemistry	10-11	1.0	Daily/All Year
03058	Concepts in Biology	11-12	0.5	Daily/1 Semester
03061	Earth & Space	11-12	0.5	Daily/1 Semester
03003	Environmental Science	11-12	1.0	Daily/All Year
03059	Genetics	11-12	0.5	Daily/1 Semester
03005	Marine Science	11-12	1.0	Daily/All Year
03005H	Marine Science Honors	11-12	1.0	Daily/All Year
03151	Physics	10-12	1.0	Daily/All Year
03063	Zoology	11-12	0.5	Daily/1 Semester
15055	Forensics Lab Science	11-12	0.5	Daily/Semester 2
21014	Foundations in Biotechnology	11-12	0.5	Daily/Semester 1
03053H	Anatomy & Physiology Honors	11-12	1.0	Daily/All Year
03056AP	AP Biology	11-12	1.0	Daily/All Year
03106AP	AP Chemistry	11-12	1.0	Daily/All Year
03207AP	AP Environmental Science	11-12	1.0	Daily/All Year
03155AP	AP Physics	11-12	1.0	Daily/All Year

### Science Course Descriptions

03201	Integrated Science	9	1.0 Units	Daily/All Year
-------	--------------------	---	-----------	----------------

This course is an introduction to biology, chemistry, earth science, and physics. Students will learn science concepts through laboratory investigations, inquiry-based activities, and projects. The emphasis of this course is on developing the skills of reading, writing, problem-solving, and critical thinking. This course will provide the necessary foundation for the sequential science courses, such as biology and chemistry, and prepare students to satisfy the requirements of the biology grade 10 subject-specific MCAS test.

03051H	Pre-AP Biology	9	1.0 Units	Daily/All Year
--------	----------------	---	-----------	----------------

This course follows the College Board Pre-AP Biology curriculum. This course focuses on the foundational biology knowledge and skills that matter most for college and career readiness. Students are guided to connect core ideas within and across the units of the course, promoting the development



of a coherent understanding of biological systems. The components of this course have been crafted to prepare not only the next generation of biologists but also a broader base of biology-informed citizens who are well equipped to respond to the array of science-related issues that impact our lives at the personal, local, and global levels. Laboratory experiences include investigation, design and analysis, and interpretation of data. Essays and critical thinking will be a part of exams. Team problem solving and modeling are also used. This course is designed to prepare students to participate in the Biology grade 10 subject-specific MCAS test.

03051	Biology	10	1.0 Units	Daily/All Year
-------	---------	----	-----------	----------------

This course is a detailed study of living things from biochemical compounds to complex vertebrates. Topics include organic chemistry, cell structure, cell function, photosynthesis, cellular respiration, DNA, genetics, biodiversity, evolution, ecosystems, and classification of organisms from the simplest form to humans. Students will investigate the interrelationship among the human body systems while maintaining homeostasis at the cellular level. Laboratory experiences include investigation, design and analysis, and interpretation of data. This course is designed to prepare students to participate in the Biology grade 10 subject-specific MCAS test.

03101H	Pre-AP Chemistry	10	1.0 Units	Daily/All Year
--------	------------------	----	-----------	----------------

This course follows the College Board Pre-AP Chemistry curriculum. It focuses on the foundational chemistry knowledge and skills that matter most for college and career readiness. Students are guided to connect core ideas within and across the units of the course, promoting the development of a coherent understanding of matter at the atomic scale. The components of this course have been crafted to prepare not only the next generation of chemists but also a broader base of chemistry-informed citizens who are well equipped to respond to the array of science-related issues that impact our lives at the personal, local, and global levels. Students must have successfully completed Biology and Algebra I.

03101	Chemistry	10	1.0 Units	Daily/All Year
-------	-----------	----	-----------	----------------

Chemistry is an inquiry-based class that focuses on the states and properties of matter, atomic structure, chemical reactions, solutions, acids, bases, and periodicity. The course utilizes a hands-on approach to help students come to understand key physical concepts which make sense of everyday phenomena. Students will learn through a variety of instructional methods, including laboratory, projects, demonstration, problem-solving, and group interactions. Students must have successfully completed Biology and Algebra I.

03058	Concepts in Biology	11-12	0.5 Units	Daily/1 Semester
-------	---------------------	-------	-----------	------------------

This course is offered to support students who did not pass the Biology MCAS and need additional support. Students will review necessary concepts and build higher-order thinking skills to help them pass the Biology MCAS and fulfill graduation requirements.



03061	Earth & Space	11-12	0.5 Units	Daily/1 Semester
-------	---------------	-------	-----------	------------------

This course focuses on the latest results and analysis of exoplanets based on Kepler. This rapidly expanding subject with exciting new results and the growing understanding of planetary systems has touched many aspects of the Solar System. Students will explore the Solar system and different planets through virtual labs and hands-on activities.

03003	Environmental Science	11-12	1.0 Units	Daily/All Year
-------	-----------------------	-------	-----------	----------------

This course will focus on the study of interrelationships between human activities and the environment. Topics covered will include energy flow and chemical cycling through the ecosystem, ecosystem succession, predator-prey relationships, natural selection, population dynamics, and invasive and endangered species. Students will analyze local and global environmental issues, such as pollution, climate change, environmental policies, and regulations. Through laboratory work and projects, they will apply problem-solving and critical thinking skills to identify the causes and create solutions to these issues.

03059	Genetics	11-12	0.5 Units	Daily/1 Semester
-------	----------	-------	-----------	------------------

This course covers a broad view of gene action from the molecular to the population levels, with emphasis on eukaryotes. Topics include bacterial and viral genetics, Mendelian genetics, mutation and DNA repair, forensic DNA technology, chromosome structure and function, genomics, and population and evolutionary genetics. The course also covers legal, ethical, and policy considerations for the use of genetic technology. Students must have successfully completed Biology and Chemistry.

03005	Marine Science	11-12	1.0 Units	Daily/All Year
-------	----------------	-------	-----------	----------------

Students will explore the physical structure and chemistry of the ocean, the diversity and biology of marine life, marine ecology, and the scope and impact of human interactions with the ocean. This course is inquiry and lab-based. Students must have successfully completed Biology and Chemistry.

03005H	Marine Science Honors	11-12	1.0 Units	Daily/All Year
--------	-----------------------	-------	-----------	----------------

Students will explore the physical structure and chemistry of the ocean, the diversity and biology of marine life, marine ecology, and the scope and impact of human interactions with the ocean. This is an accelerated course with enrichment activities. This course is inquiry and lab-based. Students must have successfully completed Biology and Chemistry.

03151	Physics	10-12	1.0 Units	Daily/All Year
-------	---------	-------	-----------	----------------

This course emphasizes the science behind real-world applications of electricity, motion, forces, energy, and more. Hands-on explorations using math and technology are incorporated to gain a well-rounded





knowledge of physics concepts. Students will accumulate data, construct graphs and develop mathematical models to describe the physical world. Lab activities are designed to develop skills in experimental design and data analysis. Students will use experimental design to solve problems discussed in class.

03063	Zoology	11-12	0.5 Units	Daily/1 Semester
-------	---------	-------	-----------	------------------

Zoology is the scientific study of the behavior, structure, physiology, classification, and distribution of animals. It is an upper-level one-semester elective science course focused mainly on studying animals and learning about wildlife research. Throughout the course, students will have opportunities to observe simulations and videos, investigate ideas, conduct case studies, and solve problems during hands-on labs, readings, activities, and computer-based projects.

15055	Forensics Lab Science	11-12	0.5 Units	Daily/Semester 2
-------	-----------------------	-------	-----------	------------------

This laboratory-oriented course will entail a curriculum focused on the latest technologies available to advance our understanding of science and its role in society. The course will include the most current theories and applications of genetics, chemistry, and forensic DNA laboratory science to help answer medical dilemmas, criminal problem-solving as employed in CSI and explore modern ethical issues in academic and practical science. Students must have successfully completed Biology and Chemistry.

21014	Foundations in Biotechnology	11-12	0.5 Units	Daily/Semester 1
-------	------------------------------	-------	-----------	------------------

This course uses the National Academy Foundation (NAF)'s Biotechnology curriculum. It is designed to introduce students to the scope of biotech research and product development across many fields. Students learn proper lab techniques and record-keeping with a scientific notebook. They learn the methods of gel electrophoresis and restriction enzyme digestion. Students explore the ethical issues in applied biotech, as well as the rights and responsibilities of the stakeholders involved in the development, production, and use of biotechnology products. For the culminating project, students research and analyze the feasibility of developing a new biotechnology product. Students must have successfully completed Biology and Chemistry.

03053H	Anatomy & Physiology Honors	11-12	1.0 Units	Daily/All Year
--------	-----------------------------	-------	-----------	----------------

This course is an introduction to the structure and function of the human body at a cellular and organismic level, the following body systems: cardiovascular, respiratory, lymphatic system and immunity, digestive, urinary, and reproductive. This course uses a wide range of assessment products in addition to quizzes and exams to evaluate students' mastery of the material. It also teaches students how to use lab equipment safely. Then students learn about the following body systems: integumentary, skeletal, muscular, nervous, and endocrine, with separate lessons on the brain and the senses. Students must have successfully completed Biology, Chemistry, and Algebra I.



03056AP	AP Biology	11-12	1.0 Units	Daily/All Year
---------	------------	-------	-----------	----------------

AP Biology is a course designed to be the equivalent of a college-level introductory biology course. The intent of the course is to expose students to higher-level biological principles, concepts, and skills that allow them the opportunity to apply their knowledge in real-life applications. Students are also expected to learn not by memorization of facts but through content and concept applications via the AP Biology science practices. Participation in the AP Exam is required. Students must have successfully completed Biology and Chemistry.

03106AP	AP Chemistry	11-12	1.0 Units	Daily/All Year
---------	--------------	-------	-----------	----------------

This course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore content such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Participation in the AP Exam is required. Students must have successfully completed Chemistry.

03207AP	AP Environmental Science	11-12	1.0 Units	Daily/All Year
---------	--------------------------	-------	-----------	----------------

This is a one-semester introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Participation in the AP Exam is required. Students must have successfully completed Biology & Chemistry.

03155AP	AP Physics	11-12	1.0 Units	Daily/All Year
---------	------------	-------	-----------	----------------

This course provides an introduction to both classical and modern physics. It is designed for students who are interested in studying physics as part of the basis for more advanced work in college in the life sciences and other technical areas. The course focuses on developing conceptual understanding and problem-solving abilities using algebra and trigonometry. The comprehensive curriculum covers the following areas of physics: Newtonian mechanics, fluid mechanics, thermal physics, electricity, electricity and magnetism, waves and optics, atomic and nuclear physics. Students must have successfully completed Algebra II and Geometry. Participation in the AP Exam is required.



## SOCIAL STUDIES

Course #	Title	Grade	Units	Length
04102	United States History I	9	1.0	Daily/All Year
04102H	United States History I Honors	9	1.0	Daily/All Year
04053	Modern World History	10	1.0	Daily/All Year
04053H	Modern World History PreAP	10	1.0	Daily/All Year
04103	United States History II	11	1.0	Daily/All Year
04103H	United States History II Honors	11	1.0	Daily/All Year
04056	AP European History	11-12	1.0	Daily/All Year
04004AP	AP Human Geography	10 -12	1.0	Daily/All Year
	AP Psychology	11-12	1.0	Daily/All Year
04157AP	AP United States Government & Politics	11-12	1.0	Daily/All Year
04104AP	AP United States History	11-12	1.0	Daily/All Year

### Social Studies Course Descriptions

04102	United States History I	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-------------------------	-----------------------	-----------	----------------

Students begin their study of United States history with a review of the origins and main events of the American Revolution, Constitutional principles, and events of the early Republic. They examine the causes and consequences of the Civil War, industrialization, immigration, Progressivism and the role of the United States in World War I. They explore guiding questions such as *“What are some examples of continuity and change in the first 150 years of United States history?”* Questions such as these are meant to stimulate teachers’ and students’ own questions for discussion and research.

04102H	United States History I Honors	9 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	--------------------------------	-----------------------	-----------	----------------

Students begin their study of United States history with a review of the origins and main events of the American Revolution, Constitutional principles, and events of the early Republic. They examine the causes and consequences of the Civil War, industrialization, immigration, Progressivism and the role of the United States in World War I. They explore guiding questions such as *“What are some examples of continuity and change in the first 150 years of United States history?”* Questions such as these are meant to stimulate teachers’ and students’ own questions for discussion and research. Students enrolled in honors should expect that this course will be taught at an accelerated pace and will present more challenging activities to provide students with extended understanding of United States History.

04053	Modern World History	10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	----------------------	------------------------	-----------	----------------

Building on their understanding of world geography and civilizations from previous history course work, students will study world history from approximately 1700 to the present by researching guiding questions such as, *“What are the connections between industrialization and imperialism?”* and *“What does it mean to be modern?”* Questions such as these are meant to stimulate teachers’ and students’ own questions for discussion and research.



04053	Modern World History Pre-AP	10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-----------------------------	------------------------	-----------	----------------

Students in Pre-AP Modern World History will study the principles of geography as well as the economic and political roots of the modern world, the causes and consequences of military and economic events, the rise of nationalism, the persistence of political, ethnic, and religious conflicts around the world. This course will also provide opportunities for students to engage in Pre-AP shared instructional principles of close observation and analysis, evidence-based writing, higher-order questioning, and academic conversation. The three focus points for Pre-AP history to be addressed in this course include: evaluating evidence, explaining historic and geographic relationships, and incorporating evidence.

04103	United States History II	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------------------------	------------------------	-----------	----------------

Students continue their study of United States history of the 20<sup>th</sup> and 21<sup>st</sup> centuries. They will learn about the economic history of the Great Depression, New Deal, World War II, and the Cold War, concluding with an examination of domestic and global policies and politics in the 21<sup>st</sup> century. Students explore guiding questions such as, “How has the United States government responded to economic crises?” and “What are the sources of political and cultural differences in the modern United States?” Questions such as these are included to stimulate teachers’ and students’ own questions for discussion and research.

**All students in United States History II will be expected to successfully complete a State-mandated Capstone Civics Project.**

04103H	United States History II Honors	11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	---------------------------------	------------------------	-----------	----------------

Students continue their study of United States history of the 20<sup>th</sup> and 21<sup>st</sup> centuries. They will learn about the economic history of the Great Depression, New Deal, World War II, and the Cold War, concluding with an examination of domestic and global policies and politics in the 21<sup>st</sup> century. Students explore guiding questions such as, “How has the United States government responded to economic crises?” and “What are the sources of political and cultural differences in the modern United States?” Questions such as these are included to stimulate teachers’ and students’ own questions for discussion and research. Students enrolled in honors should expect that this course will be taught at an accelerated pace and will present more challenging activities to provide students with extended understanding of United States History.

**All students in United States History II will be expected to successfully complete a State-mandated Capstone Civics Project.**

04056	AP European History	11 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---------------------	---	-----------	----------------

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of



some of the principal themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

**Participation in the AP Exam is required. This course satisfies the history graduation requirement for Modern World History.**

04004	AP Human Geography	10 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------------------	--	-----------	----------------

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. **Participation in the AP Exam is required. This course does not satisfy the history graduation requirements. Students must complete Modern World History, US History I and US History II in order to graduate.**

04157	AP United States Government & Politics	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--	--	-----------	----------------

AP US Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples. It requires familiarity with various institutions, groups, beliefs, and ideas that constitutes US government and politics. **Participation in the AP Exam is required. Pre-requisite: Successful completion of US History I & II. This course does not satisfy the history graduation requirements. Students must complete US History I and US History II in order to graduate.**

04104AP	AP United States History	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	--------------------------	--	-----------	----------------

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and an understanding of content learning objectives organized around seven themes, such as identity, peopling, and America in the world. In line with college and university U.S. history survey courses' increased focus on early and recent American history and decreased emphasis on other areas, the AP U.S. History course expands on the history of the Americas from 1491 to 1607 and from 1980 to the present. It also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth. **Participation in the AP Exam is required. Pre-requisite: Successful completion of US History I Honors. This course satisfies the U.S. History II graduation requirement.**

	AP Psychology	11 <sup>th</sup> -12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--	---------------	--	-----------	----------------

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods,



including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. **Participation in the AP Exam is required.**



## SPECIAL EDUCATION

Course #	Title	Grade	Units	Length
22003	Academic Support	9-12	0.5	Alt/All Year
08007	Adapted Physical Education	9-12	0.5	Alt/All Year
22206	Daily Living Skills	9-12	1.0	Daily/All Year
22206	Employment Skills	9-12	1.0	Daily/All Year
01067	Functional ELA	9-12	1.0	Daily/All Year
02998	Functional Math	9-12	1.0	Daily/All Year
03001	Functional Science	9-10	1.0	Daily/All Year
04051	Functional Social Studies	9-10	1.0	Daily/All Year
22206	Job Site Intern	9-12	0.5	Alt/All Year
01067	Reading	9-12	1.0	Daily/All Year
22206	Self-Determination and Interpersonal Skills	9-12	1.0	Daily/All Year
22206	SMEC	11-12	0.0	Varies
22207	Social Skills	9-12	0.5	Alt/All Year

### Special Education Course Descriptions

All Special Education content area courses have the same course descriptions as the General Education Course.

22003	Academic Support	9 <sup>th</sup> – 12 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	------------------	--	-----------	--------------

Academic Support provides explicit instruction to help students identify and understand their individual learning styles, in addition to developing their ability to self-advocate for themselves to successfully access the general curriculum.

08007	Adapted Physical Education	9 <sup>th</sup> – 12 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	----------------------------	--	-----------	--------------

Adapted Physical Education (APE) follows the same curriculum as physical education classes appropriate accommodations and modifications based on individual needs.

22206	Daily Living Skills	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---------------------	--	-----------	----------------

Daily Living Skills introduces and develops students' skills necessary to become independent citizens. Instruction includes managing personal finances, managing a household, caring for personal needs, using recreational facilities, identifying/participating in leisure activities, and choosing/assessing transportation.

22206	Employment Skills	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-------------------	--	-----------	----------------





Employment Skills helps students identify areas of interest and explore various employment opportunities while teaching students appropriate employment skills so they can gain meaningful employment in the community.

01067	Functional ELA	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	----------------	--	-----------	----------------

Functional ELA addresses the need for learners to develop flexible reading and writing skills and the ability to apply these skills to solve problems in work and in the community to support vocational and daily living activities.

02998	Functional Math	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-----------------	--	-----------	----------------

This course provides students with math skills associated with daily living. Skills include number recognition, counting and basic math operations, telling time, word problems, measuring, using a calendar, money skills, filling out personal ID forms, check writing, budgeting, and scheduling.

03001	Functional Science	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------------------	--	-----------	----------------

This course exposes students to basic scientific principals through teacher-directed and hands-on activities.

04051	Functional Social Studies	9 <sup>th</sup> – 10 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---------------------------	--	-----------	----------------

This course is for students who require significant modification to Modern and United States History curriculums with accommodations and modifications based on individual needs.

22206	Job Site Intern	9 <sup>th</sup> – 12 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	-----------------	--	-----------	--------------

Students explore different jobs within the school setting. These opportunities are based on student interest and input from the student and special education teacher.

01067	Reading	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---------	--	-----------	----------------

This course is a high structured, teacher-directed, multi-sensory approach to reading and students progress at their own pace based on individual needs.

22206	Self-determination and Interpersonal Skills	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---	--	-----------	----------------

Self-determination and Interpersonal Skills allows students a safe and non-threatening environment to develop independence, self-confidence, and learn to respond to others in a way that supports relationships. Students develop an understanding of self-determination, self-awareness, and disabilities rights and responsibilities.



22206	SMEC	9 <sup>th</sup> – 12 <sup>th</sup> Grade	0.0 Units	Varies
-------	------	--	-----------	--------

The Southern Massachusetts Education Collaborative (SMEC) is a community based program designed to prepare students with severe and profound developmental disabilities for post-secondary opportunities. Enrollment begins at age 20, on a part-time basis and age 21 on a full-time basis.

22207	Social Skills	9 <sup>th</sup> – 12 <sup>th</sup> Grade	0.5 Units	Alt/All Year
-------	---------------	--	-----------	--------------

Social Skills learn coping strategies to help manage stress, anger, and feelings as well as demonstrate respect for self and others, healthy ways to express needs and wants, and demonstrate a positive attitude towards self and others.



## WORLD LANGUAGE

Course #	Title	Grade	Units	Length
06161	Portuguese I	9-11	1.0	Daily/All Year
06161H	Portuguese I Honors	9-11	1.0	Daily/All Year
06162	Portuguese II	9-12	1.0	Daily/All Year
06162H	Portuguese II Honors	9-12	1.0	Daily/All Year
06163	Portuguese III	11-12	1.0	Daily/All Year
06163H	Portuguese III Honors	11-12	1.0	Daily/All Year
06164H	Portuguese IV Honors	12	1.0	Daily/All Year
06166HI	Heritage Portuguese I Honors	9 -11	1.0	Daily/All Year
06166HII	Heritage Portuguese II Honors	10 -11	1.0	Daily/All Year
06166HII	Heritage Portuguese III Honors	11 - 12	1.0	Daily/All Year
06101	Spanish I	9-11	1.0	Daily/All Year
06101H	Spanish I Honors	9-11	1.0	Daily/All Year
06102	Spanish II	10-11	1.0	Daily/All Year
06102H	Spanish II Honors	10 - 12	1.0	Daily/All Year
06103	Spanish III	11 - 12	1.0	Daily/All Year
06103H	Spanish III Honors	11-12	1.0	Daily/All Year
06112AP	AP Spanish Language and Culture	12	1.0	Daily/All Year
06106HI	Heritage Spanish I Honors	9-11	1.0	Daily/All Year
06106HII	Heritage Spanish II Honors	10-11	1.0	Daily/All Year

### World Language Course Descriptions

06161	Portuguese I	9 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	--------------	--	-----------	----------------

In this course, students will be introduced to communication skills (listening, speaking, reading, and writing) in Portuguese, as well as to Portuguese culture and customs. All four skills (listening, speaking, reading and writing) are presented in context. The diverse cultures of the Portuguese-speaking world are also introduced. Completion of various types of assignments and assessments is vital in order to succeed in this course.

06161H	Portuguese I Honors	9 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	---------------------	--	-----------	----------------

In this course, students will be introduced to communication skills (listening, speaking, reading, and writing) in Portuguese, as well as to Portuguese culture and customs. Students will study topics at a deeper level and will be expected to complete independent coursework and assignments. All four skills (listening, speaking, reading and writing) are presented in context. The diverse cultures of the Portuguese-speaking world are also introduced. Completion of various types of assignments and assessments is vital in order to succeed in this course. As an honors level course, content will be covered at an accelerated pace.



06162	Portuguese II	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	---------------	--	-----------	----------------

In this course, students will expand their vocabulary, increase their knowledge of idioms and grammatical structures, and augment their appreciation of Portuguese culture and customs. Students will work to increase their proficiency in communication through listening, speaking, reading, and writing. The study of the cultures of the Portuguese-speaking world is also continued. Students must demonstrate proficiency in the language at the completion of this course in order to successfully advance to the next level.

06162H	Portuguese II Honors	9 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	----------------------	--	-----------	----------------

In this course, students will expand their vocabulary, increase their knowledge of idioms, grammatical structures and augment their appreciation of Portuguese culture and customs. Students will work to increase their proficiency in communication through listening, speaking, reading, and writing. Students will study topics at a deeper level and will be expected to complete more independent classwork and assignments. As an honors level class, content will be covered at an accelerated pace.

06163	Portuguese III	11 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	----------------	---	-----------	----------------

The four language skills continue to be presented with an emphasis on thematic activities. An in-depth study of the Portuguese-speaking world is also continued. Any student who wishes to attain any practical degree of proficiency in the language should consider taking a minimum of three courses in the language.

06163H	Portuguese III Honors	11 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	-----------------------	---	-----------	----------------

The four language skills continue to be presented with an emphasis on thematic activities. An in-depth study of the Portuguese-speaking world is also continued. Any student who wishes to attain any practical degree of proficiency in the language should consider taking a minimum of three courses in the language. As an honors level course, content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06164H	Portuguese IV Honors	12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	----------------------	------------------------	-----------	----------------

This course is designed for the highly motivated student including heritage students. The curriculum includes a variety of activities to stimulate the improvement of language skills. The emphasis is on the use of the language for active communication and to help the student express them self in the target language accurately both orally and in writing with reasonable fluency. Students will continue an in-depth study the cultures of the Portuguese-speaking world. The course is conducted in Portuguese. As an honors level course, content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.



06166HI	Heritage Portuguese I Honors	9 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	------------------------------	--	-----------	----------------

This course addresses the linguistic needs of bi-cultural students. Students will study fundamental grammar and culture; develop comprehension skills through the study of reading selections; examine the various cultures of Portuguese-speaking countries; and further develop their oral and written communication skills. This course, which is conducted in Portuguese, is an honors level course where content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06166HII	Heritage Portuguese II Honors	10 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	-------------------------------	---	-----------	----------------

This course addresses the linguistic needs of bi-cultural students. Students will continue to study fundamental grammar and culture; develop comprehension skills through the study of reading selections; examine the various cultures of Portuguese-speaking countries; and further develop their oral and written communication skills. This course is conducted in Portuguese. As an honors level course, content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06166HII	Heritage Portuguese III Honors	11 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	--------------------------------	---	-----------	----------------

Students will be able to further their grammatical knowledge of the language by being able to complete task-based units during the course and by reading independently books and tales in Portuguese language. In this course, bicultural students will continue to study fundamental grammar and culture; develop comprehension skills through the study of reading selections; examine the various cultures of Portuguese-speaking countries, and further develop their oral and written communication skills. This course is conducted in Portuguese. As an honors level course, the content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06101	Spanish I	9 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-----------	--	-----------	----------------

In this course, students will be introduced to communication skills (listening, speaking, reading, and writing) in Spanish, as well as to Spanish culture and customs. All four skills (listening, speaking, reading and writing) are presented in context. The diverse cultures of the Spanish-speaking world are also introduced. Completion of various types of assignments and assessments is vital in order to succeed in this course.

06101H	Spanish I Honors	9 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	------------------	--	-----------	----------------

In this course, students will be introduced to communication skills (listening, speaking, reading, and writing) in Spanish, as well as to Spanish culture and customs. Students will study topics at a deeper level and will be expected to complete independent coursework and assignments. All four skills (listening, speaking, reading and writing) are presented in context. The diverse cultures of the Spanish-speaking world are also introduced. Completion of various types of assignments and assessments is vital in order to succeed in this course. As an honors level course, content will be covered at an accelerated pace.



06102	Spanish II	10 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	------------	---	-----------	----------------

In this course, students will expand their vocabulary, increase their knowledge of idioms and grammatical structures, and augment their appreciation of Spanish culture and customs. Students will work to increase their proficiency in communication through listening, speaking, reading, and writing.

The study of the cultures of the Spanish-speaking world is also continued. Students must demonstrate proficiency in the language at the completion of this course in order to successfully advance to the next level.

06102H	Spanish II Honors	10 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	-------------------	---	-----------	----------------

In this course, students will expand their vocabulary, increase their knowledge of idioms, grammatical structures and augment their appreciation of Spanish culture and customs. Students will work to increase their proficiency in communication through listening, speaking, reading, and writing. Students will study topics at a deeper level and will be expected to complete more independent classwork and assignments. As an honors level class, content will be covered at an accelerated pace.

06103	Spanish III	11 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
-------	-------------	---	-----------	----------------

The four language skills continue to be presented with an emphasis on thematic activities. An in-depth study of the Spanish-speaking world is also continued. Any student who wishes to attain any practical degree of proficiency in the language should consider taking a minimum of three courses in the language.

06103H	Spanish III Honors	10 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
--------	--------------------	---	-----------	----------------

The four language skills continue to be presented with an emphasis on thematic activities. An in-depth study of the Spanish-speaking world is also continued. Any student who wishes to attain any practical degree of proficiency in the language should consider taking a minimum of three courses in the language. As an honors level course, content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06112AP	AP Spanish Language and Culture	12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	---------------------------------	------------------------	-----------	----------------

In this course, students will engage in a rigorous course in Spanish Composition and Conversation at the third-year college level and will be prepare for the Advanced Placement Spanish Language and Culture exam. Students will develop the ability to understand spoken and written Spanish in various contexts. Students will develop the ability to express themselves coherently, fluently, and accurately, with emphasis on the use of language for active communication. Students will practice communicating in Spanish and study real-life materials such as newspaper articles, films, music, and books. Students recommended for this course are typically in their fourth year of high-school-level study.

06106HI	Heritage Spanish I Honors	9 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
---------	---------------------------	--	-----------	----------------



This course addresses the linguistic needs of bi-cultural students. Students will study fundamental grammar and culture; develop comprehension skills through the study of reading selections; examine the various cultures of Spanish-speaking countries; and further develop their oral and written communication skills. This course, which is conducted in Spanish, is an honors level course where content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06106HII	Heritage Spanish II Honors	10 <sup>th</sup> – 11 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	----------------------------	---	-----------	----------------

This course addresses the linguistic needs of bi-cultural students. Students will continue to study fundamental grammar and culture; develop comprehension skills through the study of reading selections; examine the various cultures of Spanish-speaking countries; and further develop their oral and written communication skills. This course is conducted in Spanish. As an honors level course, content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.

06106HII	Heritage Spanish III Honors	11 <sup>th</sup> – 12 <sup>th</sup> Grade	1.0 Units	Daily/All Year
----------	-----------------------------	---	-----------	----------------

Students will be able to further their grammatical knowledge of the language by being able to complete task-based units during the course and by reading independently books and tales in Spanish language. In this course, bicultural students will continue to study fundamental grammar and culture; develop comprehension skills through the study of reading selections; examine the various cultures of Spanish-speaking countries, and further develop their oral and written communication skills. This course is conducted in Spanish. As an honors level course, the content will be covered at an accelerated pace. Students will study topics at a deeper level and will be expected to complete more independent coursework and assignments.