

## SBHS Course Listings - 2016-2017

### Art

The art program is designed for all high school students to develop both their hands-on and creative thinking skills. The art department provides direction and opportunities for students interested in either pursuing an art career or developing their aesthetic and cultural awareness. Our courses offer a multitude of experiences and explorations with a variety of media that take the art student from an introductory level to the creation of a college-bound portfolio. Advanced art students are required to keep an art journal and sketchbook. Enrollment in advanced level art courses requires the signature of the Art Department Staff. Since all of the art courses are studio experiences, participation, attendance, level of effort and productivity are of significant importance in the grading process.

<b>H17214</b>	<b>Computer Arts</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Unleash your creative talents as you learn to use the computer as an art tool! Explore the digital side of drawing, watercolor, pastels, oils, and other traditional art materials as you discover the wonders of digital art. Create your portrait, paint a landscape or create your own comic using a computer. Bring your imagination and your willingness to learn as previous art or computer experience is not required.

<b>H27677</b>	<b>Art for Life Skills</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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This course is designed to support Life Skills students will be exposed to a variety of art mediums designed to develop and inspire a love of art and creative outlet for learners of diverse abilities.

<b>H29098</b>	<b>Household Arts for Life Skills</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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This course is designed to support Life Skills students in developing skills pertaining to independent living such as sewing, typing knots, macrame, and crafting. The focus of this class will be on developing both independent and leisure skills.

<b>H17000</b>	<b>Yearbook Journalism I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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The Yearbook Journalism I course focuses on creativity, visual design, technical writing, communication, cooperative skills, and problem-solving skills. This rigorous course requires total commitment from its members. Students participate in the entire yearbook production process from theme and concept development to final delivery and distribution. Each student will be responsible for specific aspects in producing the yearbook including writing and editing stories, proofreading, photography, creating layouts, publishing, and promoting sales of dedication pages and the yearbook. It is essential that students selecting this class meet and maintain copy preparation deadlines imposed by the publisher. Failure to make deadlines will result in a drastically reduced grade and possible failure for the marking period and/or the course. Because of the enormity of this commitment, all students must make yearbook their number one extra-curricular activity and be available for mandatory after-school meetings on designated dates. Students will receive instruction from the assigned art teacher and use Adobe In Design and Photoshop to digitally layout and design the yearbook. Training for these programs will be provided, but potential staff members could benefit by taking the Desktop Publishing and/or Photoshop classes prior to applying for this course.

<b>H17002</b>	<b>Yearbook Journalism II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** 83% or better in Yearbook Journalism I and recommendation of the Yearbook Journalism instructor.

The Yearbook Journalism II course maintains the focus on creativity, visual design, technical writing, communication, cooperative skills, and problem solving skills that students explored in the level I course. Students in this course assume all of the same responsibilities as Yearbook Journalism I and are also responsible for providing guidance and training to new staff members. Knowledge of journalistic writing is extended including gathering, writing, editing, and publishing information. Research skills are strengthened and refined with increased emphasis on aspects such as ethics and copyright law. Students apply existing knowledge to generate new ideas and support individual learning as well as contribute to the learning of others. In addition, students at this level have the opportunity for various editorships.

<b>H17006</b>	<b>Desktop Publishing</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Let Adobe Illustrator and In Design bring out the designer in you. This course will teach you the basics of typography and graphic design through a variety of hands-on projects, including logo design, business card design, restaurant menus, magazine layouts, brand identity and package design. Learn design skills to prepare you for many 21st century careers. Though not a requirement, this course will be the perfect transition for students who have taken Graphic Design I and/ or Graphic Design II into the digital realm.

<b>H17007</b>	<b>Black and White Photography I</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Art I or Graphic Design I, and access to a 35mm SLR manual camera. (No fully automatic cameras, please). **Suggested follow up or sequence:** Photo II

Photography is the language of light. This course will open the door to the mystery of how pictures are created. Learn to control shutter speed and aperture to capture planned images. Basic picture taking, camera controls and techniques, and darkroom procedures will be covered in addition to some print manipulation. Make discoveries and be inspired by your peers and world famous photographers. Homework involves shooting photographic assignments. Access to a 35mm SLR manual camera is mandatory.

<b>H17008</b>	<b>Black &amp; White Photography II</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Student must have a passing grade in Black and White Photography I.

This course is an intensive exploration of advanced photographic techniques: lighting conditions, print manipulation, special effects, and techniques that combine photography and the fine arts. Learn about Ansel Adams and the Zone System and create a large format, photo-realistic, zone painting. Emphasis will be placed upon presentation and quality control of prints. Access to a 35mm SLR manual camera is mandatory.

<b>H17011</b>	<b>Art I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Discover the artist inside you! Explore your own unique expressiveness as you study drawing, painting, ceramics, collage, printmaking, and other art media. This elective is geared for all students, whether continuing on in art or not. This course is a prerequisite for advanced art classes.

<b>H17013</b>	<b>Graphic Design I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Understand how design elements and principles work together to create effective visual communication. Emphasis is given to artwork that is used by the print media such as illustration, advertising, packaging, and posters. Lettering and written copy is also incorporated. Learn to produce art that is neat, graphic, and professional. This course is geared for the student who likes to draw, has an eye for design, and likes to use creative thinking to solve communication problems. This is not a computer course or a t-shirt printing course. Graphic Design I serves as an alternative prerequisite for advanced art classes.

<b>H17020</b>	<b>Advanced Placement Art Portfolio</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 87% or better in Portfolio I or Portfolio II, Art Teacher recommendation to the Portfolio Instructor and portfolio review. All students interested in enrolling for AP courses must complete an AP request form. Form is available in Guidance Office.

The A.P. Portfolio course continues with the development of the students' portfolios and culminates in visual documentation, a formal presentation, a written statement about the work, and submission of work to the Advanced Placement College Board Program. Students will be required to complete a summer studio assignment.

<b>H17024</b>	<b>Art II</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 80% or better in Art I or Graphic Design I or Art Teacher recommendation.

The Art II curriculum will include challenging experiences in advanced drawing, painting, sculpture, printmaking and mixed media. Students will draw from observations and imagination, using a variety of drawing techniques, such as blind drawing and modified contour, negative space, gesture, cross contour, and value. Subject matter will include still life, portrait, interior, landscapes, perspective, and the figure. Reflection will be a continuous requirement throughout the year.

<b>H17030</b>	<b>Drawing I</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Grade of 80% or better in Art I / Graphic Design I or portfolio review.

An in-depth exploration of drawing media including pencil, colored pencil, marker, charcoal, scratch board, and conte crayon. Students will draw from observation. The emphasis of the course will be strengthening to student's ability to "see" and therefore, draw accurately along with his/her handling of the drawing materials. Some homework required.

<b>H17031</b>	<b>Drawing II</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Drawing I or portfolio review.

Drawing II is a continuation of the drawing experience. At this level, the student will be expected to produce a higher quality of work. Students will be expected to develop advanced drawing skills, and therefore, draw more accurately along with his/her handling of drawing materials, such as: pencil, colored pencil, marker, charcoal, scratch board, and conte crayon. Some homework is required.

<b>H17034</b>	<b>Painting I</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: 83% or better in Art I / Graphic Design I or portfolio review.**

In Painting I students will explore the fundamentals of painting, such as materials, techniques, and color relationships, with an emphasis on paint application, composition, and expression. Various artists and "isms", past and contemporary, will be introduced with each project and to individual students where applicable. Students will use the elements and principles of design as they apply to painting, by working from direct observation and manipulated images. Students will have experiences painting a still life, a landscape, drapery, and a portrait, using a variety of painting styles. They will paint realistically and abstractly.

<b>H17035</b>	<b>Painting II</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Painting I or portfolio review.**

A more intensive continuation of the total immersion painting experiences of Painting I with the added responsibility of preparing completed works for display in both group and solo art shows.

<b>H17038</b>	<b>Advanced Placement Art History</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: 83% or better in most recent course in Social Studies and English.**

**All students interested in enrolling for AP courses must complete an AP request form. Form is available in Guidance Office.**

Advanced Placement Art History is an in-depth exploration of subject, style, and the significance of global art in terms of the art's original setting, as well as, the social, political, and religious forces, shaping civilization of the time. Extensive study will cover the elements and principles of artistic design as they appear throughout pre-history to present day in architecture, sculpture, painting, and other media. The development of European traditions in Western Art (80%) and Eastern Art (20%), will come to light by comparing and contrasting global perspectives through the study of Gardner's Art Through The Ages, other text, online resources, visual examples, discussion, and museum work. This course is strongly recommended for those students who intend to pursue a career in any branch of the fine arts. Art history also parallels and enhances other areas of academic study. Class participation is required and homework is extensive. Students will be required to complete a summer reading assignment.

<b>H17205</b>	<b>PhotoShop I</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Learn to use the graphic design and photo-editing program, Adobe's Photoshop. Turn ordinary photographs into artwork with the most advanced digital imaging program on the market. From simple projects, like colorizing black and white images to more complex photo manipulations. Each project is sequential and cumulative, designed to build on your developing computer skills and creativity. No drawing talent needed for this class, just the desire to transform images.

<b>H17206</b>	<b>PhotoShop II</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Photoshop I**

Students will expand their knowledge in image editing and techniques learned in Photoshop I. Technical instruction will expand tool functions, layer blend functions, and image adjustments. Projects will provide students with strong art content and utilize the principle and elements of design. Content experience will derive from the student's personal experience, interpretation, and ideas through original imagery. Students will be encouraged to incorporate their own photographs in their projects and discover the concept of "in-house production". Digital cameras

are not a requirement for this course.

<b>H17207</b>	<b>Graphic Design II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: A grade of 73% or better in Graphic Design I**

The emphasis of Graphic Design II is on creative problem solving of both short and long term design projects, utilizing a variety of art media. This course is also open to juniors and seniors who are developing an art portfolio to be presented to art schools. Every effort will be made to counsel students regarding college and career choices. This is a hands-on "studio course" in which drawing and painting are required. No computers are used in this course!

<b>H17208</b>	<b>Painting III</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of Art Teacher and or portfolio review.**

Students will solve advanced drawing/painting problems with special emphasis on the development of individual expression, concepts and materials. Instruction is on an individual basis to suit the needs of exceptional students.

<b>H17210</b>	<b>Advanced Placement 2-D Design Portfolio</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Completion of 10 credits of Art classes with a grade of 87% or better with Art teacher recommendation and/or portfolio review.**

This portfolio class is intended to address two-dimensional design issues while students compile a body of work to be evaluated by the AP College Board. Students will make purposeful decisions about how to use the elements and principles of art in an integrative way. For their portfolio, students are asked to demonstrate a mastery of 2-D design through any two-dimensional medium or process, including but not limited to, graphic design, digital imaging, photography, collage, fabric design, illustration, painting, and printmaking. Students will be required to complete a summer studio assignment.

<b>H17211</b>	<b>Honors Art Portfolio I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: 87% or better in Art I, Graphic Design I with Art teacher recommendation and/or portfolio.**

The Honors Art Portfolio I curriculum will include strong experiences in drawing and painting. Individual students may opt to include sculpture, printmaking, and/or mixed media when personal interest warrants, as this course offers some individual flexibility. This course focuses on improving students' technique, and understanding of content, in the production of a breadth of artwork. The aim is to begin to develop a comprehensive art portfolio that may meet requirements for entry into college-level art programs and/or art schools, and to prepare students to enter AP Portfolio the following year. It is also designed to accommodate serious art students who desire to work at an honors advanced level.

<b>H17212</b>	<b>Honors Art Portfolio II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: Prerequisite: 87% or better in Portfolio I and recommendation of the Portfolio Instructor.**

The Portfolio II curriculum will include strong experiences in drawing and painting on an honors level. Individual students may opt to include sculpture, printmaking, and/or mixed media when personal interest warrants, as this course offers some individual flexibility. This course focuses on improving students' technique, and understanding of content, in the production of a breadth of artwork.

## Business

### Pathways to Business

The mission of the **Pathways to Business Program** is to provide students with an education of enduring value that allows them to be able to better envision their future. The program is designed to meet students' interests and industry demands as well as integrate strong academics with career and technical studies. We offer students the opportunity to earn college credit for courses completed in high school, and provide for a seamless transition from secondary to post-secondary level.

South Brunswick High School's **Pathways to Business Program** is part of the district's College and Career Ready Curriculum. Our program utilizes a model that features an articulation agreement with Middlesex County College, which is a two-year post-secondary institution. It allows students to jump-start their college career while still in high school and offers a seamless transition from high school to entry into associate and baccalaureate degree programs at the post-secondary level through transfer of college credits to various institutions based on their individual policies.

The **Pathways to Business Program** emphasizes teaching strategies that infuse the application of traditional academic content with real-world, career-oriented problem solving activities. Rigorous curriculum strives to prepare students for the large number of career opportunities in business. Courses are activity-based and designed to apply to a wider variety of learning styles than strictly lecture classes. Students are able to connect the knowledge and skills they learn in school through experiences such as field trips to business sites, college campus visits, interdisciplinary projects, presentations by business executives, and operation of an on-campus business enterprise.

The following courses are offered with the option to earn college credits through the program:

Business Education Courses	Academic Courses
Business Organization and Management	College Calculus
College Accounting I (Financial Accounting)	English IV College Composition
College Accounting II (Managerial Accounting)	College Public Speaking
College Computer Applications and Systems	
Concepts of Business Management	
Small Business Management	

Courses are open to students in grades 10-12. College credit is awarded to students through Middlesex County College's *High School Scholars* program and the *Pathways to Business* partnership. Look for the Tech-Prep logo with course descriptions in the Business Education, English, and Mathematics sections of this booklet.

**Note: The School Store Operation courses are Merchandising and Retailing and are also a part of the Pathways to Business program.**

See your guidance counselor or contact Kristin Laskin, Supervisor of Applied and Fine Arts and Technology Education 6-12, at 732-329-4044 ext. 3229 or via email at [kristin.laskin@sbschools.org](mailto:kristin.laskin@sbschools.org) for more information. You may also contact Annette Galaro, *Pathways to Business* Coordinator, via email at [annette.galaro@sbschools.org](mailto:annette.galaro@sbschools.org).

*Pathways to Business is a partnership between South Brunswick High School, Middlesex County College, and Kean University.*

The Business Department curriculum is designed to prepare all students with basic business, marketing, finance and computer technology competencies. The curriculum also prepares students for the technological developments and the rapid pace of social and economic changes in our society. Computer competency and practical applications are essential components in all of our course offerings.

**\*\*\*NOTE:**

**Business Organization and Management, College Computer Applications and Systems, Concepts of Business Management, and Small Business Management**

*Students electing any of these courses have the option of earning 3 college credits from Middlesex County College (MCC) through the Pathways to Business partnership.*

**College Accounting I and College Accounting II**

*Students electing either of these courses may earn 4 college credits from MCC through the Pathways to Business partnership.*

*To earn college credits, the student must complete an application and pay a reduced tuition fee to MCC prior to the*

announced deadline. This is generally due in late-October each year. College credit from MCC will be granted upon successful completion of course requirements. Credit is transferable to other institutions in accordance with that institution's transfer policies. More details will be provided by the instructor during the initial weeks of the course.

<b>H16700</b>	<b>Small Business Management</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b> A.P. Weighting
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**Prerequisite:** 73% or better in Business Organization and Management or College Accounting I.

\*\*\*See note at beginning of Business Education listings.

This college-level course will introduce students to the principles of small business management with a focus on achieving and maintaining a competitive advantage as a small organization. Current issues including global opportunities, service, quality and technology are highlighted. The development of a comprehensive business plan is an integral part and required of the course. Films, including R-rated movies, may be used to reinforce business concepts. Students have the option of earning 3 college credits.

<b>H16701</b>	<b>School Store Operations 1</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b> Honors Weighting
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**Prerequisite:** Prerequisite: 73% or better in at least one Business Education course.

School Store Operations I provides students with a structured learning experience through operating an on-campus business enterprise. Students are able to develop hands-on skills and build their resume by gaining actual work experience in the SBHS school store, which serves as an applications laboratory for theory covered in this and other Business Education courses. Course topics at this level include: product/service planning, merchandising, sales promotion, advertising, and marketing research. Students are required to work in the store after school hours periodically throughout the course.

<b>H16702</b>	<b>College Computer Applications and Systems</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> A.P. Weighting
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\*\*\* See note at end of Business Education listings.

This college-level course is designed for students with well-developed computer skills as well as research and writing abilities. College Computer Applications and Systems is an in depth, project-based exploration of computer applications and information science. Students will define what computers and computer programs are and their use in business, industry, institutions, and government. The course discusses the terminology and use of current PC hardware and software for processing and communicating data. A full range of topics are covered including capabilities and limitations of computers, history of computers, privacy of information, ethical behavior, and the influence of computers on people and society. Through hands-on activities, students gain experience with the Windows operating system and Microsoft Office applications such as Word, PowerPoint, Excel, and Access. Students may also be exposed to computer graphics and multimedia applications as time permits. Students completing this course will be computer fluent. Films, including R-rated movies, may be used to reinforce business and computer concepts. Students have the option of earning 3 college credits.

Students who have taken Advanced Computer Applications for Business should not enroll in College Computer applications and Systems.

<b>H16703</b>	<b>Honors Personal Financial Management</b>	<b>Grades: 11</b>	<b>2.5 Credits</b> Honors Weighting
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**Prerequisite:** 80% or better in Honors U.S. History

or 75% or better in AP U.S. History

or 90% or better in Academic U.S. History.

and 80% or better in Honors English II.

or 90% or better in Academic English II.

**Students must meet BOTH the Social Studies and English grade prerequisites**

**to register for this course.**

Honors Personal Financial Management is designed for those students who are highly motivated, independent learners and who have demonstrated superior skills in reading comprehension, writing and research. This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence. Students selecting Honors Personal Financial Management should have previous Honors course success and demonstrated advanced abilities with the motivation to pursue rigorous studies. Research and writing abilities are required to successfully complete an ongoing course project as well as respond to essay questions on unit tests.

<b>H16704</b>	<b>Academic Personal Financial Management</b>	<b>Grades: 11</b>	<b>2.5 Credits</b>
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**Prerequisite: 90% or better in U.S. History**

**or a passing grade in Academic U.S. History, Honors U.S. History**

**or Advanced Placement U.S. History.**

Academic Personal Financial Management is the college preparatory level of this course. It is designed for those students who have demonstrated the ability to read independently, think critically and successfully complete research projects. This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence.

<b>H16705</b>	<b>Personal Financial Management</b>	<b>Grades: 11</b>	<b>2.5 Credits</b>
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This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence. Students selecting this Personal Financial Management level should expect to progress at a more deliberate pace than either Academic or Honors classes. This course level is intended for students who need to continue to strengthen their reading, writing, and research skills.

<b>H16706</b>	<b>Web Animation</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This course focuses on HTML5 and the Bootstrap framework. HTML5, the new web standard that has been adopted by Apple, Google and many others, lets web developers create advanced graphics, typography, animations and transitions without relying on third party browser plug-ins. Bootstrap is the most popular HTML, CSS, and JS framework for developing responsive, mobile first projects on the web. Students will be exposed to the original framework and many other extensions offered to make Bootstrap even more powerful.

<b>H16707</b>	<b>School Store Operations II</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Prerequisite: : 73% or better in School Store Operations I or a college-level Business Education course and recommendation from a Business teacher.

School Store Operations II expands on the skills developed in School Store Operations I, as the course continues to provide students with a structured learning experience through operating an on-campus business enterprise. Students gain additional work experience in the SBHS school store, which serves as an applications laboratory for theory covered in this and other Business Education courses. Course topics at this level focus on product/service planning, sales, human relations, and management of resources. Students who demonstrate initiative, proficiency with store operations, and high integrity may have the opportunity to serve in a management capacity and add advanced skills to their resume. Students are required to work in the store after school hours periodically throughout the course.

<b>H16709</b>	<b>Global Business</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This course focuses on the basics of international business such as cultural, political, and social similarities and differences on a global basis. Some of the concepts to be explored are consumer behavior, market segmentation, the marketing process, foreign distribution, advertising and selling, international career planning, technology in global business, organized labor and the challenges of multinational enterprises.

<b>H16711</b>	<b>Financial Management</b>	<b>Grades: 12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Grade 12

This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence. Students selecting this Personal Financial Management level should expect to progress at a more deliberate pace than either Academic or Honors classes. This course level is intended for students who need to continue to strengthen their reading, writing, and research skills.

<b>H16712</b>	<b>Academic Financial Management</b>	<b>Grades: 12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Grade 12

Academic Personal Financial Management is the college preparatory level of this course. It is designed for those students who have demonstrated the ability to read independently, think critically and successfully complete research projects. This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving,

and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence.

<b>H16713</b>	<b>Honors Financial Management</b>	<b>Grades: 12</b>	<b>2.5 Credits</b> Honors Weighting
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**Prerequisite: Grade 12**

Honors Personal Financial Management is designed for those students who are highly motivated, independent learners and who have demonstrated superior skills in reading comprehension, writing and research. This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence. Students selecting Honors Personal Financial Management should have previous Honors course success and demonstrated advanced abilities with the motivation to pursue rigorous studies. Research and writing abilities are required to successfully complete an ongoing course project as well as respond to essay questions on unit tests.

<b>H16719</b>	<b>Advanced Placement Microeconomics</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> A.P. Weighting
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This course is designed to teach students the mandated curriculum for AP Microeconomics as determined by the College Board. Microeconomics covers topics such as market structures, the economizing problem, factor markets, cost and revenue structures, externalities, government regulation and intervention in markets, and income inequality. This course will include a mandatory summer assignment that will be extensive, and due the first day of class. A student's grade in this course will be heavily dependent (75%) on their ability to test well on the appropriate subject matter. The material discussed in this class is college level course work, and very new to most students. There are no pre-requisites to this class because of the unique nature of the material discussed. There is no strong indicator from other previous classes as to how well a student will do in this class. A strong work ethic and willingness to learn new material is the only criteria to entering this course. All students who complete this course will be well-prepared for the AP Microeconomics exam in May. For further information regarding course content can be obtained from the College Board website, under AP Microeconomics.

<b>H16720</b>	<b>Advanced Placement Macroeconomics</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> A.P. Weighting
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This course is designed to teach students the mandated curriculum for AP Macroeconomics as determined by the College Board. Macroeconomics covers topics such as Gross Domestic Product, Aggregate Demand and Aggregate Supply, international economic policy, currency exchange rates, loanable funds rates, fiscal and monetary policy, the Federal Reserve's role in our economy, the Federal Governments role in our economy, real vs. nominal variables, and world trade policies and their effects on the world' economy. This course will include a mandatory summer assignment that will be extensive, and due the first day of class. Failure to complete this summer assignment will lead to dismissal from the class. A student's grade in this course will be heavily dependent (75%) on their ability to test well on the appropriate subject matter. The material discussed in this class is college level course work, and very new to most students. There are no pre-requisites to this class because of the unique nature of the material discussed. There is no strong indicator from other previous classes as to how well a student will do in this class. A strong work ethic and willingness to learn new material is the only criteria to entering this course. All students who complete this course will be well-prepared for the AP Macroeconomics exam in May. For further

information regarding course content can be obtained from the College Board website, under AP Macroeconomics.

<b>H16721</b>	<b>Social Media Marketing</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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In this course, students will learn the practical knowledge and insights required to establish objectives and strategies, properly select the social media platforms to engage consumers, and monitor and measure the results of these efforts. Students will focus on the multi-disciplinary implications of social media and how to maintain a successful social media presence for an organization. Throughout the course students will plan and execute social media campaigns using various platforms.

<b>H26002</b>	<b>Personal Financial Management B*</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course is designed to inform students how personal finance directly correlates to their future success. Students will be exposed to the following topics: income and careers; money management; credit and debt management; planning, saving, and investing; becoming a critical consumer; and risk management and insurance. Students will learn how to set and prioritize financial goals, develop spending plans, obtain financial security, distinguish between wealth and income, and calculate the time value of money. This course will empower students to make informed financial decisions and recognize outcomes that promote financial independence. Students enrolled in Personal Financial Management B\* benefit from a small group instructional setting. The course follows the mainstream curriculum at a modified and individualized pace, with instruction adapted to the students' learning needs.

<b>H26005</b>	<b>Technology for Life Skills</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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This course is designed to support Life Skills students in developing skill proficiency with technology. Class elements will include current trends in social media, online safety, communication, and research. Students will also learn how to express themselves and connect with peers.

<b>H16013</b>	<b>Applied Business Math</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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In this hands-on course, students will learn how to apply math principles to practical applications in their personal lives and the business world. Students will obtain a greater understanding of how important numerical calculations are to the overall success of individuals and business by studying topics such as payroll, checking accounts, the stock market, insurance, budgeting and how to become an informed consumer in today's ever-changing economy.

<b>H16021</b>	<b>Business and Criminal Law</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Business and Criminal Law is a course that is designed to introduce students to how our laws are created and understand the purpose of our laws. Students will study the basic areas including but not limited to criminal law, civil law, contract law and laws governing consumer protection, laws regarding minors, and the laws of marriages, divorce and intestacy.

<b>H16032</b>	<b>Business Organization and Management</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> A.P. Weighting
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\*\*\* See note at beginning of Business Education listings.

This college level course is designed to examine how businesses operate in our society and how certain factors affect the performance of a business. Those factors that will be more closely examined include the business environment in the United States, management of the enterprise, business economics, the Securities Markets, and ethical issues which affect businesses. Films including R-rated movies, may be used to reinforce business concepts. Students have the option of earning 3 college credits.

<b>H16037</b>	<b>Introduction to Business</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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In this introductory survey course, students will be exposed to major segments of the business environment in order to spark their interest of further study in business education. Students will gain a wide array of business experiences ranging from starting a business to marketing and financing a business venture. Students will study the interrelationships between economics, entrepreneurship, management, marketing/advertising, credit, personal finance, and career planning.

<b>H16038</b>	<b>Introduction to the Web Page</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This course covers the basics of creating and hosting web pages through student's Google Drive accounts. Students will learn the essential languages of web design including HTML, CSS and JavaScript. Students will also be introduced to Bootstrap - the most popular HTML, CSS and JS framework for developing responsive, mobile first projects on the web.

<b>H16043</b>	<b>Computer Applications</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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In this introductory computer course, students will learn how to use Microsoft Windows and Microsoft Office to touch type, create, format, edit, and print documents and files. Emphasis will be placed on file management and on using Microsoft Word and Microsoft Excel to complete assignments in various classes. Proper formatting of letters, reports, term papers, graphs, and other documents will be taught during the semester. Students will also develop skills using Google Documents and Google Drive.

<b>H16046</b>	<b>Entrepreneurship</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Learn what is involved to start and operate a successful business by understanding the issues as an owner and customer. Students will discuss current events as they relate to the ideas and concepts of starting their own business. This is a hands-on, activity-based course in which students formulate a simplified business plan and learn how new businesses are created. Research activities will take place on various entrepreneurs from small business owners to professional media magnates. Entrepreneurs from local businesses will speak on the realities of operating an enterprise and share their personal experiences as business owners when available.

<b>H16053</b>	<b>College Accounting I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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\*\*\* See note at beginning of Business Education listings.

This college-level course is designed for students who plan further study in the field of accounting, business administration, marketing, or pre-law. In addition to accounting principles and procedures, this accelerated course places emphasis on the analysis and interpretation of financial statements and other relevant concepts. Spreadsheet applications software is used throughout the course. Films, including R-rated movies may be used to reinforce business concepts. Students have the option of earning 4 college credits.

<b>H16054</b>	<b>College Accounting II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 73% or better in College Accounting I

\*\*\* See note at beginning of Business Education listings.  
This advanced course uses a college-level text and introduces students to managerial accounting and the manufacturing process. Students will also be exposed to the terminology used to describe costs related to manufacturing. The course emphasizes accounting activities that help managers plan and control the operations of a business. For example, budgets and other performance evaluations and how they are used to control operations are discussed. Films, including R-rated movies, may be used to reinforce business concepts. Students have the option of earning 4 college credits.

<b>H16070</b>	<b>Introduction to Marketing</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Students experience marketing everyday through billboards, television commercials, and even in the cereal aisle at the grocery store. Introduction to Marketing uses engaging presentations and hands-on projects to present concepts that will give students the ability to recognize how much marketing principles play a role in their daily lives.

<b>H16071</b>	<b>Concepts of Business Management</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 73% or better in Business Organization and Management.

\*\*\*See note at beginning of Business Education listings.  
This is a college-level course that builds on the foundations studied in Business Organization and Management. Theories, techniques, and insights of the major areas of management including planning, organizing, directing/leading, and controlling are studied as well as concepts that apply to all levels of management. Films, including R-rated movies, may be used to reinforce business concepts. Students are expected to possess skills in research and writing to successfully complete unit projects. Students have the option of earning 3 college credits.

<b>H16096</b>	<b>Multimedia Applications</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Using Microsoft Office, students will further enhance their skills by learning multimedia programs such as PowerPoint, Publisher and Windows Movie Maker. Students will learn how to create, format, edit, and print a variety of multimedia applications. Emphasis will be placed on using the computer as a tool to complete assignments in other classes.

<b>H16137</b>	<b>Business in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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In this introductory survey course, students will be exposed to major segments of the business environment in order to spark their interest of further study in business education. The course focuses on the environment in which business operates, the functional areas of business, and the language of business. Students will gain a wide array of business experiences ranging from starting a business to marketing and financing venture. Students will study the interrelationships between economics, entrepreneurship, management, marketing/advertising, credit, personal finance and career planning. The course provides the broad-based business knowledge and skills that every worker in all industries should know.

<b>H16145</b>	<b>Sports and Entertainment Marketing</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Students will focus on marketing principles as they deal specifically in the

industries of sports and entertainment. This class will take a look at factors that have contributed to the growth of this industry; areas such as licensing, naming rights, merchandising, sponsorship, endorsements, and publicity will be explored. Students will plan and execute a major sports or entertainment project during the semester and research career opportunities in these fields.

<b>H16199</b>	<b>Computer and Multimedia Applications in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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In this introductory computer course, students will learn traditional computer applications such as Microsoft Office. In addition, this course will emphasize cloud computing in the 21 Century. Students will develop the essential skills in cloud-based computing using the Google Apps for Education suite including Documents, Presentations, Spreadsheets, Forms and Drawing. Students will also be exposed to blogging and creating websites using Google Blogger, Google Sites and basic HTML coding.

## English

**All English I, II, III, and IV courses require that students maintain writing portfolios and write reflective pieces to accompany these portfolios.**

**All levels of English are required to complete a summer reading assignment.**

**English I-III** must read 1 novel from their grade level list and complete journal entries. Approximate time: 8-12 hours of reading and 2 hours of writing between June and September.

**Academic English I-III** must read 2 novels from their grade level list and complete journal entries.

Approximate time: 12-15 hours of reading and 3-5 hours of writing between June and September.

**Academic English IV** must read designated nonfiction texts and complete a 2 page essay.

Approximate time: 12-15 hours of reading and 4-5 hours of writing between June and September.

**Honors English I-IV** must read a designated novel and 1 novel from their grade level list and complete a writing assignment.

Approximate time: 15-20 hours of reading and 4-6 hours of writing between June and September.

\*Students should be prepared to complete assessments and class activities on books upon their return to school in September.

**All of these English I, II, III, and IV courses also require students to complete a summer reading and writing assignment and at least one independent reading each marking period.**

<b>H11092</b>	<b>English I-LA</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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This course is designed to partner with LA Workshop for concentrated skill-building. English I-LA focuses on genre studies and is designed for students who need to strengthen their reading, writing, speaking, listening, and language skills. Students will participate in both in-class and independent reading, informal and formal writing, grammar and vocabulary instruction, group projects, and developing the reading and writing skills they will need for the PARCC. Students are expected to complete timed writings, process essays, homework, and one outside reading project per quarter. Core texts include the following: A Raisin in the Sun, and Juliet, The Odyssey, short stories, and poetry.

<b>H11093</b>	<b>LA Workshop</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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This course is designed to partner with English I-LA, and is for freshman students who need to strengthen their reading, writing, speaking, and language skills in an intensive setting. The course will include reading and writing workshop units that parallel literature units studied in English I-LA. Through reading and writing workshops using the Scholastic Read 180 program, students learn and practice multiple reading strategies and prewriting strategies that can be applied to all subject areas. The writing focuses on explanation and argumentation to prepare students for the reading and writing they will do throughout high school, as well as the PARCC.

<b>H11095</b>	<b>Honors Public</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> Honors Weighting
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**speaking****Prerequisite:** None

This course is designed to introduce students to the theory and practice of public address, with an emphasis on preparation and delivery. Through giving various presentations, performing research, and critiquing successful and well-known speeches, students will acquire an understanding of what it takes to construct an effective speech, as well as the skills necessary for impactful and dynamic speech delivery and performance. Critical thinking, listening skills, and personal creativity will be emphasized. The class will provide numerous opportunities for students to present on a range of topics for a range of audiences and purposes. While this course is primarily a performance course, students will be expected to research and write original speeches of their own, as well as to participate actively as a listener and critic. Through all of these things, students will gain experience in both the technical and artistic aspects of public speaking. \*This course fulfills the fine and performing arts graduation requirement. Students will be required to participate in group presentations and The Living Legacies Project each spring. Students who have completed or who are currently enrolled in The Art of Public Speaking or Fundamentals of Public Speaking should not enroll in this course.

**H11097****PARCC LA Skills  
and Test  
Preparation****Grades: 12****2.5 Credits**

This course is designed for students who need additional instruction and practice in reading and writing. Students work on individual and group activities that include using computers to develop reading and writing skills, practicing multiple types of test-taking strategies, and writing timed and untimed essays. The emphasis of this course is to build student's capacity to earn proficient or advanced standing on the PARCC.

This course is open to all students in grade 12. Some students may be assigned to this course based on test scores and prior performance. This course does not fulfill the English graduation requirement.

**H11011****English I****Grades: 9****5 Credits**

English I is designed for students who need to strengthen their reading, writing, speaking, listening, language and literary analysis skills. This course will focus on non-fictional and fictional reading materials that serve as structural models and as the basis for group discussions, as well as for the writing of synthesis essays. Through a variety of writing assignments including process essays, journals, and out-of-class writings, students will develop competence in writing clear, correct, and effective English prose. Students are expected to complete reading and writing on a regular basis.

**H11021****English II****Grades: 10****5 Credits**

This course which focuses on American literature is designed for students who need to strengthen their reading, writing, speaking, listening, and language skills. This course expands on what students learned freshman year and involves in-class and independent reading, informal and formal writings, grammar and vocabulary instruction, group projects, oral presentations, a persuasive speech, and developing the reading and writing skills they will need for the PARCC. Students are expected to complete timed writings, process essays, homework, and one outside reading project per quarter.

**H11031****English III****Grades: 11****5 Credits**

This world literature course, which focuses on the theme of insiders and outsiders, is designed for students who need to strengthen their reading, writing, speaking, listening, and language skills. This course expands on what students learned sophomore year and entails in class and independent reading, informal and formal writings, grammar and vocabulary instruction, group projects, oral presentations, and the development of the reading and writing skills they will need for the PARCC. Students are expected to complete timed writings, process essays, homework, and one outside reading project per quarter.

<b>H11041</b>	<b>English IV</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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This literature course is designed for students who need to strengthen their reading, writing, speaking, listening, and language skills. This course expands on what students learned junior year and involves in-class and independent reading, informal and formal writings, grammar and vocabulary instruction, group projects, and oral presentations. Students are expected to complete timed writings, process essays, and homework on a regular basis. The majority of the readings will focus on real world issues that should be of particular interest to seniors.

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<b>H11010</b>	<b>Academic English I</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** Based on previous performance and standardized test scores.

This course, which focuses on genre studies, is designed to help students develop reading, writing, speaking, listening, and language skills. This course prepares students for college and involves independent reading, literary analysis, grammar and vocabulary instruction, group projects, oral presentations, and research projects. Students are expected to complete timed writings, process essays, homework on a regular basis, and one outside reading project per quarter.

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<b>H11022</b>	<b>Academic English II</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion with a 70% or better in Academic English I or Honors English I or a 90% average in English I.

This American literature course, which focuses on the theme of the American dream, is designed to help students develop reading, writing, speaking, listening, and language skills. This course prepares students for college and entails independent reading, literary analysis, grammar and vocabulary instruction, group projects, oral presentations, research projects, and a persuasive speech. Students are expected to complete timed writings, process essays, homework on a regular basis, and one outside reading project per quarter. This course will focus on non-fictional and fictional reading materials that serve as structural models and as the bases for group discussions, as well as for the writing of synthesis essay. Through a variety of writing assignments including process essay, journals, and out-of-class writing, students will develop competence in writing clear, correct, and effective English prose. There is extensive independent reading and writing.

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<b>H11055</b>	<b>Academic English III</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion with a 70% or better in Academic English II or Honors English II or a 90% average in English II.

This literature is designed to help students develop reading, writing, speaking, listening, and language skills. This course prepares students for college and involves independent reading, literary analysis, grammar and vocabulary instruction, group projects, and oral presentations. Students are expected to complete timed writings, process essays, homework on a regular basis, and at least one outside reading project per quarter, as well as participation in literary discourse. This course will focus on non-fictional and fictional reading materials that serve as structural models and as the basis for group discussions, as well as for the writing of synthesis essay. Through a variety of writing assignments including process essay, journals, and out-of-class writing, students will develop competence in writing clear, correct, and effective English prose. There is extensive independent reading and writing.

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<b>H11056</b>	<b>Academic English IV</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite:** Prerequisite: Successful completion with a 70% or better in Academic English III or Honors English III or 90% or better in English III.



Academic English I- IV prepares students for college and involves independent reading, literary analysis, grammar and vocabulary instruction. This course will focus on non-fictional and fictional reading materials that serve as structural models and as the basis for group discussions, as well as for the writing of synthesis essays. Through a variety of writing assignments including process essays, journals, and out-of-class writings, students will develop competence in writing clear, correct, and effective English prose. There is extensive independent reading and writing on a regular basis. The majority of the readings will focus on real world issues that should be of particular interest to seniors. This course will focus on non-fictional and fictional reading materials that serve as structural models and as the basis for group discussions, as well as for the writing of synthesis essay. Through a variety of writing assignments including process essay, journals, and out-of-class writing, students will develop competence in writing clear, correct, and effective English prose. There is extensive independent reading and writing.

<b>H11017</b>	<b>Honors English I</b>	<b>Grades: 9</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Prerequisite: Based on previous performance and standardized test scores. Teacher recommendation, A 90 or better in 8th grade Language and Composition. Students must have advanced reading and writing skills.

This challenging and rigorous course, which focuses on genre studies, is designed to help students develop reading, writing, speaking, listening, and language skills. This course entails independent reading, literary analysis, grammar and vocabulary instruction, group projects, oral presentations, and research projects. Students are expected to complete timed writings, process essays, extensive homework on a regular basis, and one outside reading project per quarter.

<b>H11027</b>	<b>Honors English II</b>	<b>Grades: 10</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Students must have advanced reading and writing skills. 85% or better in Honors English I, II, III. Any students currently in Academic English interested in registering for Honors English must complete a mandatory timed writing. Two timed writing sessions will be offered after school in April (TBA). Placement is contingent on a 93% in Academic English I, II, III and a score of 80% or higher on the literary analysis rubric.

This challenging course, which focuses on the canon of classic American Literature, is designed to help students develop advanced reading, writing, speaking, listening, and language skills. This course entails independent reading, literary analysis, grammar and vocabulary instruction, group projects, oral presentations, and research projects. Students are expected to complete timed writings, process essays, extensive homework on a regular basis, and one outside reading project per quarter.

<b>H11033</b>	<b>Honors English III</b>	<b>Grades: 11</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 85% or better in Honors English I, II or 93% in Academic English I, II, III. Students must have advanced reading and writing skills.

Students must have advanced reading and writing skills. 85% or better in Honors English. Any students currently in Academic English interested in registering for Honors English must complete a mandatory timed writing. Two timed writing sessions will be offered after school in April (TBA). Placement is contingent on a 93% in Academic English I, II, III and a score of 80% or higher on the literary analysis rubric.

<b>H11043</b>	<b>Honors English</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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## IV

Honors Weighting

**Prerequisite:** Students must have advanced reading and writing skills. 85% or better in Honors English I, II, III. Any students currently in Academic English interested in registering for Honors English must complete a mandatory timed writing. Two timed writing sessions will be offered after school in April (TBA). Placement is contingent on a 93% in Academic English I, II, III and a score of 80% or higher on the literary analysis rubric.

This challenging world literature course, which focuses on the analysis and explication of works, is designed to help students develop advanced reading, writing, speaking, listening, and language skills. This course entails independent reading, analysis of fiction and nonfiction, group projects, oral presentations, grammar and vocabulary instruction, research projects, and extensive peer editing. Students are expected to complete complex timed writings and process essays, and one outside reading project per quarter. In addition, students will take personal responsibility for extensive homework and reading outside of class. Core works include: Oedipus Rex, Plato's Apology, Hamlet, Crime and Punishment, Brave New World, Catch 22, Siddhartha, The Double, Othello, and poetry.

H11072

English IV  
College  
Composition

Grades: 12

5 Credits  
A.P. Weighting

**Prerequisite:** Students must have at least an 90% average if transferring from Honors or AP English III, and a 93% average if transferring from Academic English III. In addition, students must earn a passing score on the Accuplacer test or an SAT Critical Reading Score of 540 or better.

This challenging college-level course mainly focuses on non-fictional reading materials that serve as structural models and as the basis for group discussions, as well as for the writing of synthesis essays. Strong time management skills and a good work ethic are required, as the pacing of the class is meant to mimic a college schedule. The class will focus on small number of high priority assignments rather than a string of smaller assignments. A concentration on rhetorical and persuasive analysis will drive the class. Through a variety of writing assignments including process essays, journals, and out-of-class writings, students will develop competence in writing clear, correct and effective English prose. The main texts for this class will be The Contemporary Reader 10th ed. and 50 Great Essays, from which the majority of the non-fiction texts will be drawn. The majority of these readings will focus on real world issues that should be of particular interest to seniors, such as the American college education system, the hazards of financial debt, the changes in modern conceptions of the family, and the effects and effectiveness of mass media marketing. Each semester, students will give an oral presentation on a topic of their choice, taken from the non-fiction reading. In addition, students will read one of the following texts independently each semester: The Great Gatsby, A Streetcar Named Desire, Siddhartha, and Things Fall Apart. For each independent reading book, a multiple-choice objective test will be administered.

Note: Students have the option of earning three college credits from Middlesex County College through the Tech-Prep Pathways to Business partnership. Details will be provided by the instructor during the initial weeks of the course.

H11037

Advanced  
Placement  
English III  
Language &  
Composition

Grades: 11

5 Credits  
A.P. Weighting

**Prerequisite:** 90% or better in Honors II English course and completion of AP summer reading assignment. 93% in Academic English, a teacher recommendation, and completion of AP summer reading assignment. Students advancing from Academic English may be asked to submit a writing sample. All students interested in registering for an AP course must complete the AP request form. Form is available in Guidance Office.

This extremely rigorous college-level course is designed for students who excel in

reading, writing, and discussing challenging literature and rhetoric. They must be willing and able to work independently on analyzing fiction and non-fiction texts and finding inter-textual relationships. Students are expected to apply their knowledge of rhetorical strategies, persuasive techniques, stylistic devices, structural elements, satirical devices, modes of discourse, and forms of literary criticism into in-depth analyses of written texts. Students will read and respond to texts from the Middle Ages to the present day in Socratic Seminars and oral presentations. Students will write numerous timed writings and persuasive literary commentaries. In addition, they will be able to differentiate the quality of biographical and literary research. Also, students will complete a major poetry project/presentation from the Romantic era. Consistent class participation, intellectual maturity, and academic integrity are a must! Students taking this course are encouraged to take the Advanced Placement examination in Language and Composition in May of their junior year.

<b>H11047</b>	<b>Advanced Placement English IV Literature and Composition</b>	<b>Grades: 12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 90% or better in Honors English III course and completion of AP summer reading assignment. 93% in Academic English III. A teacher recommendation, and completion of AP summer reading assignment. Students advancing from Academic English may be asked to submit a writing sample. All students interested in registering for an AP course must complete the AP request form. Form is available in Guidance Office.

This is an extremely challenging and rigorous college-level English course. It is designed for students who excel in reading and writing, and who are capable of independently analyzing literary works. The emphasis will be on analyzing classic works of fiction, drama and poetry. Students taking this course need advanced writing skills, since they are required to produce academic essays in a timed setting, and they are expected to apply knowledge of literary devices, poetic devices, and elements of style and form. In addition to class and independent assignments, students will practice test-taking strategies for the Advanced Placement exam. Students will compose numerous timed writings in three forms: open-ended prompts, passage analysis prompts, and poetry analysis prompts. Literary works studied begin with Greek Tragedy and span into the modern era; students are expected to reconsider texts previously read in light of each work studied throughout the year. Students enrolled in this course are encouraged to take the Advanced Placement Examination in Literature and Composition.

<b>H11050</b>	<b>Transitional English for the Nonnative Speaker</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Recommendation of the ESL Instructor

This course is for students who are in Advanced ESL or have recently exited the ESL program. It is not an ESL course. This basic skills course is a transition course that helps students to improve their English language skills while studying literature. Students will receive instruction in reading, writing, speaking, listening and viewing. At the end of the course, the teacher will recommend the next appropriate English level. This course may be taken in addition to a skills lab.

<b>H21011</b>	<b>English I B</b>	<b>Grades: 9</b>	<b>10 Credits</b>
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**Prerequisite:** Current Teacher Recommendation

This course is designed for students who need to strengthen their reading, writing, speaking, and listening skills in a small group setting. Reading and writing strategies are taught along with the mainstream curriculum at a modified and individualized pace. This course meets every day and follows the format of English I with Lab.

<b>H21020</b>	<b>English IIB</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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**Prerequisite:** Current Teacher Recommendation

This course is designed for students who need to continue to strengthen their reading, writing, speaking, and listening skills and benefit from small group instruction. This course follows the mainstream curriculum at a modified and individualized pace.

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<b>H21030</b>	<b>English IIIB</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite:** Current Teacher Recommendation

This course is for students who need to strengthen reading, writing, speaking, listening, and viewing skills and benefit from small group instruction. This course follows the mainstream curriculum at a modified and individualized pace.

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<b>H21040</b>	<b>English IVB</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite:** By recommendation of current teacher only.

This course is for students who need to continue to strengthen their reading, writing, speaking, listening, and viewing skills and who would benefit from small group instruction. The focus of the course is on transitional reading and writing to prepare students for post-high school literacy needs.

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<b>H11073</b>	<b>Fundamentals of Public Speaking</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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This college-level course provides an introduction to the theory and practice of public address. Through making in-class presentations, critiquing speeches and researching for assignments, students will acquire an understanding of what it takes to present an effective and interesting speech. Critical thinking, listening skills, and personal creativity will be emphasized. The class will provide numerous practical opportunities to give various types of presentations including persuasive, informative, demonstration, and improvised speeches. While this course is primarily a performance course, students will be expected to research and write speeches, as well as to participate actively as a listener and critic. Students will develop confidence and gain experience that will benefit them in high school, postsecondary education, and the business world. Films, including R-rated movies, may be used to reinforce concepts. This course does not fulfill the English graduation requirement or the Fine and Performing Arts graduation requirement. Students who have completed or who are currently enrolled in Honors Public Speaking should not enroll in this class. Note: Students may have the option of earning three college credits from Middlesex County College. Details will be provided by the instructor during the initial weeks of this course.

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<b>H11071</b>	<b>The Art of Public Speaking</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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All students can benefit from learning to speak in front of others. This course is designed to provide students with opportunities to develop their speaking skills. Through making in-class presentations, creating commercials, critiquing speeches and researching for assignments, students will acquire an understanding of what it takes to present an effective and interesting speech. Critical thinking, listening skills, and personal creativity will be emphasized. The class will provide numerous practical opportunities to give various types of presentations including persuasive, informative, demonstration, and improvised speeches. While this course is primarily a performance course, students will be expected to research and write speeches, as well as to participate actively as a listener and critic. Students will gain experience that will benefit them in (high school, college and the business world). This course does not fulfill the English graduation requirement.

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<b>H11082</b>	<b>Journalism for</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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### the 21st Century

Internet and Newspaper Journalism for the 21st-Century course is a year-long elective course. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on [vikingvibe.com](http://vikingvibe.com). Students will write various types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, many students' work is published in the newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines and designing layout. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Students will develop interpersonal skills, interviewing techniques, and proficiency in the journalistic style of writing.

Students will learn skills that will enable them to learn on their own, think critically and apply knowledge to new situations. Career Preparation will be stressed by exposure to various post secondary options within the 16 Career Clusters, tools to assess interests and skills, and interactions with professionals from the field. A variety of media tools will be taught, with a focus on the ethical, safe and legal behaviors that should be followed. Character education will be woven through the content as an underlying theme. As students work through problem-based activities, a focus will be placed on soft skills such as accountability and collaboration. These skills will foster life-long learners who are productive citizens and workers in a global community. This course does fulfill the 21st Century requirement. This course does not fulfill the English graduation requirement.

NOTE: This course also fulfills the requirements for Internet and Newspaper Journalism I. Students successfully completing this course should enroll in Internet and Newspaper Journalism II and III for the next school year.

<b>H11079</b>	<b>Sports in Literature and Film</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Did you ever think there's more to sports than statistics and Sports Center? Can an athlete be considered a hero? This full-year elective will focus on the stories and lives of athletes both present and past and the role sport plays in society. Controversial topics in sports are covered and debated, special guest speakers present their athletic experiences, and a historical perspective of all major and minor sports is examined. Students will critically read, view, and analyze sports-related short stories, films, newspaper and magazine articles, poems and plays. The improvement of writing, reading and speaking skills will be a main focus of the class.

<b>H11081</b>	<b>Writing for Film and Media in the 21st-Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Writing for Film and Media in the 21 st Century will focus on writing for film, television, video and online media. Through analyzing and comparing scripts and final products, students will develop an understanding of the creation of movies, TV shows and online productions. The course will have the structure of a workshop in which students watch and discuss films, write scripts alone and with partners, and read and critique other students' work. Some projects will be filmed or recorded. Focus will be on screenplays, but students will also work on writing scripts for television, podcasts, radio, commercials, animation, gaming, viral videos, web series, video logs and industrials. The class will meet with writers and film professionals, and will learn about the business aspects of film making and online media.

<b>H11003</b>	<b>Creative Writing</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Creative Writing is an elective course that offers students opportunities to develop talents and techniques for composing stories, essays, poems, narratives, dramatic scripts, and personal observations and a variety of other forms of writing. Instruction will focus on using models to establish criteria for "good" writing, the impact of projected audience on the writer's content, purpose, style, and the study of revision procedures and practices. Students will be required to use a word

processor, share writing within the class, keep a portfolio of their work in progress, and pursue avenues for publication outside the class. Students will have the opportunity to confer with the teacher and develop their original work. Students selecting Creative Writing should be motivated to participate and open to literary experimentation, and genuinely interested in composing demonstrate a genuine interest in composing.

This course does not fulfill the English graduation requirement.

<b>H11013</b>	<b>Creative Writing II</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: At least an 80% in Creative Writing I**

In this advanced course, students will fulfill all of the expectations of Creative Writing I and, additionally, will be expected to lead class and group workshops and pursue avenues for publication outside of class. Students will also explore the work of mentor authors and will seek to build off of their previous body of work. This course does not fulfill the English graduation requirement.

<b>H11014</b>	<b>Introduction to Film</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This half-year elective introduces students to the elements of film analysis. Students will study a variety of classic and contemporary films as they discover how they are crafted and how the viewer creates meaning from what they see. Included will be oral and written analyses of film elements such as: camera angle, lighting, symbolism, sound, editing and color. This course may include watching movies or scenes with an R rating. This course does not fulfill the English graduation requirement.

<b>H11024</b>	<b>Comedy in Film and Television</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This half-year elective explores what makes us laugh. Students will study comic movies, sit-coms, stand up and other forms of comedy to investigate the anatomy and psychology behind the joke and the comic plot. Students will also look at forms of comedy such as various types of humor, social satire, and parody. This class includes reading, writing, and speaking activities. This course may include watching movies, comedians, or scenes with an R rating. This course does not fulfill the English graduation requirement.

<b>H11085</b>	<b>Internet and Newspaper Journalism I</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English.**

The Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on vikingvibe.com. Students may also be published in the South Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. In Journalism I, students will develop interpersonal skills, interviewing techniques, and proficiency in the journalistic style of writing. This course does not fulfill the English graduation requirement. \*This course fulfills the fine and performing arts graduation requirement.

NOTE: Students wishing to take a full-year of journalism should sign up for two

semesters in sequence since all courses are offered in both the fall and spring semesters.

<b>H11086</b>	<b>Internet and Newspaper Journalism II</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English. Students wishing to take Journalism II or higher must have a 80% average in previous journalism course.**

The Internet and Newspaper Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on vikingvibe.com. Students may also be published in the South Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines and designing layout. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Journalism II-VII offers students with a sincere interest in the field the opportunity to pursue journalistic writing and newspaper production in-depth. This course does not fulfill the English graduation requirement. \*This course fulfills the fine and performing arts graduation requirement.

NOTE: Students wishing to take a full-year of journalism should sign up for two semesters in sequence since all courses are offered in both the fall and spring semesters.

<b>H11087</b>	<b>Internet and Newspaper Journalism III</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English. Students wishing to take Journalism III or higher must have a 80% average in previous journalism course.**

The Internet and Newspaper Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on vikingvibe.com. Students may also be published in the South Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, and creating headlines. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Journalism II-VII offers students with a sincere interest in the field the opportunity to pursue journalistic writing and newspaper production in-depth. This course does not fulfill the English graduation requirement. \*This course fulfills the fine and performing arts graduation requirement.

NOTE: Students wishing to take a full-year of journalism should sign up for two semesters in sequence since all courses are offered in both the fall and spring semesters.

<b>H11088</b>	<b>Internet and Newspaper Journalism IV</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English. Students wishing to take Journalism IV or higher must have a 80% average in previous journalism course.**

The Internet and Newspaper Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on [vikingvibe.com](http://vikingvibe.com). Students may also be published in The South Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Journalism II-VII offers students with a sincere interest in the field the opportunity to pursue journalistic writing and newspaper production in-depth. This course does not fulfill the English graduation requirement. \* This course fulfills the fine and performing arts graduation requirement.

NOTE: Students wishing to take a full-year of journalism should sign up for two semesters in sequence since all courses are offered in both the fall and spring semesters.

<b>H11089</b>	<b>Internet and Newspaper Journalism V</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English. Students wishing to take Journalism II or higher must have a 80% average in previous journalism course.

The Internet and Newspaper Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on [vikingvibe.com](http://vikingvibe.com). Students may also be published in The South Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Journalism II-VII offers students with a sincere interest in the field the opportunity to pursue journalistic writing and newspaper production in-depth. This course does not fulfill the English graduation requirement. \*This course fulfills the fine and performing arts graduation requirement.

NOTE: Students wishing to take a full-year of journalism should sign up for two semesters in sequence since all courses are offered in both the fall and spring semesters.

<b>H11090</b>	<b>Internet and Newspaper Journalism VI</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Prerequisite: Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English. Students wishing to take Journalism II or higher must have a 80% average in previous journalism course.

The Internet and Newspaper Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on [vikingvibe.com](http://vikingvibe.com). Students may also be published in The South Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Journalism II-VII offers students with a sincere interest in the field the opportunity to pursue journalistic writing and newspaper production in-depth. This course does not fulfill the English graduation requirement. \*This course fulfills the fine and performing arts graduation requirement.



NOTE: Students wishing to take a full-year of journalism should sign up for two semesters in sequence since all courses are offered in both the fall and spring semesters.

<b>H11091</b>	<b>Internet and Newspaper Journalism VII</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Students must have a cumulative 80% average or better in English or a 75% average in Honors or AP English. Students wishing to take Journalism II or higher must have a 80% average in previous journalism course.

The Internet and Newspaper Journalism courses are semester-long elective courses. Enrolled students will write, layout, and produce the school's award-winning newspaper, The Viking Vibe found on vikingvibe.com. Students may also be published in The south Brunswick Post. Students will write all types of newspaper stories: news, feature, sports, entertainment and opinion. In addition, most students' work is published in the online newspaper throughout the year. Students will gain experience in all phases of newspaper publication and online posting: proofreading, writing, creating headlines. They will learn basic layout and design principles under the instruction of an art teacher. The skills learned in this course will benefit students in college and future careers, even those outside of journalism. Journalism II-VII offers students with a sincere interest in the field the opportunity to pursue journalistic writing and newspaper production in-depth. This course does not fulfill the English graduation requirement. \*This course fulfills the fine and performing arts graduation requirement.

NOTE: Students wishing to take a full-year of journalism should sign up for two semesters in sequence since all courses are offered in both the fall and spring semesters.

## Family & Consumer Sciences

<b>H17700</b>	<b>Hon Field Experience in Education- Fall</b>	<b>Grades: 12</b>	<b>2.5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 93% or better in Advanced Child Development and a teacher recommendation. May also be taken with Advanced Child Development.

This experience is designed for students who are considering elementary education or special education as a career choice. Students will visit elementary school classrooms in the South Brunswick School District and observe teaching and learning. Students will have the opportunity to interact with students, to assist teachers, and as the year progresses, to develop and execute their own small and large group lesson plans. Outside reading will be required including books on "The Responsive Classroom " approach that is used throughout the South Brunswick School District elementary schools. Students must provide their own transportation to and from the elementary school.

<b>H17701</b>	<b>Hon. Field Experience in Education- Spring</b>	<b>Grades: 12</b>	<b>2.5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 93% or better in Advanced Child Development and a teacher recommendation. May also be taken concurrently with Advanced Child Development.

This experience is designed for students who are considering elementary education or special education as a career choice. Students will visit elementary school classrooms in the South Brunswick School District and observe teaching and learning. Students will have the opportunity to interact with students, to assist teachers, and as the year progresses, to develop and execute their own small and large group lesson plans. Outside reading will be required including books on "The Responsive Classroom " approach that is used throughout the South Brunswick School District elementary schools. Students must provide their own transportation to and from the elementary school.

<b>H17702</b>	<b>Hon Field Experience in Education</b>	<b>Grades: 12</b>	<b>10 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 93% or better in Advanced Child Development and a teacher recommendation. May be taken concurrently with Advanced Child Development.

This experience is designed for students who are considering elementary education or special education as a career choice. Students will visit elementary school classrooms in the South Brunswick School District and observe teaching and learning. Students will have the opportunity to interact with students, to assist teachers, and as the year progresses, to develop and execute their own small and large group lesson plans. Outside reading will be required including books on "The Responsive Classroom " approach that is used throughout the South Brunswick School District elementary schools. Students must provide their own transportation to and from the elementary school. A double block of Field Experience is beneficial to students who have a strong interest in elementary or special education as a career.

<b>H17770</b>	<b>Fashion Production Marketing</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This course is designed for anyone interested in fashion business. Students will learn basic construction skills, craft products, and put together a fashion show event. Come explore the world of Fashion Production and Marketing!

<b>H17773</b>	<b>Culinary Arts in the 21st. Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Culinary Arts in the 21st Century explores career paths in the foods industry. Food preparation, production and marketing will be woven into the curriculum as a simulation of industry experience. A variety of media and technology tools will be stressed for career readiness. Simultaneously, students will learn skills that enable them to learn on their own, think critically and apply knowledge to new situations.

<b>H17775</b>	<b>Introduction to Fashion and Design</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Introduction to Fashion and Design introduces students to the cutting-edge world of fashion. A primary focus is on construction and care methods for apparel and accessories. Become equipped to sew your own clothing and explore the different career paths in the fashion industry. This is a mandatory prerequisite for Advanced Fashion Design.

<b>H17776</b>	<b>Fashion Illustration Portfolio</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This course allows students to explore the world of fashion. Learn how to draw your vision and illustrate professional quality pieces that would be an excellent addition to your fashion or art portfolio. No drawing experience necessary.

<b>H17777</b>	<b>Advanced Fashion Design</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** 80% or better in Introduction to Fashion and Design

Expand upon the knowledge learned in Introduction to Fashion and Design. Take your sewing fashion career to the next level by learning pattern making and applying advanced sewing techniques. Design, create and exhibit your designs in a

fashion show!

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<b>H17778</b>	<b>Advanced Child Development/Semester</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Kids! Kids! Kids! And, More Kids!**

This is a semester course offered Spring or Fall. This course's curriculum would be similar to that of Advanced Child Development. Responsibilities would be the same.

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<b>H27678</b>	<b>Foods for Life Skills</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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This course is designed to support Life Skills students in working on developing independence in the kitchen in food preparation and in skills related to safety.

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<b>H17662</b>	<b>Foods I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This course teaches students about all kinds of FOODS - how to prepare them, which ones are good for you, and how to get the most for your \$\$\$\$. Class activities include the preparation of a variety of foods, techniques for planning and organizing for special occasions, and the nuts and bolts of good nutrition. Grades are determined by completion of food preparation projects, group work, homework assignments, projects and tests.

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<b>H17664</b>	<b>Foods II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: 77% or better in Foods I and recommendation of the Foods teacher.**

This course allows students to explore International cuisines and cultures through the planning, preparing and serving of meals. Students will identify the geography, climates, customs, traditions and cultural factors of the country through individualized research and class preparation. Specific foods, ingredients and methods of preparation unique to a variety of cultures will be studied.

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<b>H17665</b>	<b>Foods III</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: 80% or better in Foods II course and recommendation of the Foods teacher.**

This course allows students to explore International cuisines and cultures through the planning, preparing and serving of meals. Students will identify the geography, climates, customs, traditions and cultural factors of the country through individualized research and class preparation. Specific foods ingredients and methods of preparation unique to a variety of cultures will be studied.

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<b>H17673</b>	<b>Child Development: Kids! Kids! Kids!</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Admission to this class is by application only. Please see your counselor to pick up an application and return the completed form to B107 by the deadline noted on the application.**

Do you like kids? Work, play and learn with preschoolers. Kids Class provides the opportunity to combine regularly scheduled class sessions with a playschool laboratory. Emphasis is placed on understanding the physical, social, intellectual, and emotional development of children through textbook assignments, observations, reports, and working in the playschool lab. Students will be responsible for observing and assessing preschoolers and providing reports to

parents.

<b>H17674</b>	<b>Parenting</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Most people will become parents at some point in their lives. This course will start you off on the right foot by exploring how your childhood can affect your parenting skills. Teenage pregnancy, fetal development, pre-natal care, and caring for your infant in a safe, healthy, and caring environment are the major focuses of the course. Hands on activities include taking care of a baby and wearing a device that simulates pregnancy.

<b>H17675</b>	<b>Independent Living</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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After high school - what's in your future? - college? - a job? - an apartment of your own? - marriage? Independent Living will prepare you for what's ahead: making your budget stretch, improving nutrition, health and fitness, time management, decision making, and many other skills required to live independently.

<b>H17683</b>	<b>Child Development: More Kids!</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 83% or better in **Child Development: Kids in the 21st Century or Kids! Kids! Kids! and teacher recommendation.**

The adventures of Kids! continues in this second level course. Students have a laboratory experience with more responsibilities, which include creating and executing lessons for small groups of children and mentoring the first year students. They continue to learn about children's physical, social, emotional, and intellectual development by again observing and assessing preschoolers and providing reports to parents. Students may take More Kids! and Advanced Kids concurrently. Outside reading will be required.

<b>H17684</b>	<b>Advanced Child Development</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 83% or better in **More Kids! and teacher recommendation.**

Students expand their knowledge of child development to include special needs children through independent research using our extensive classroom library, the internet, and interviews with special needs educators. In addition, students take on even more responsibilities in the preschool lab. They plan and execute large group activities such as circle time, music and movement, and story time. They also observe and assess preschoolers and provide reports to parents. Students may take More Kids! and Advanced Kids concurrently. Outside reading will be required. They can also take Advanced Child Development and Honors Field Experience in Education concurrently.

<b>H17694</b>	<b>Honors Field Experience in Education</b>	<b>Grades: 12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 93% in **Advanced Child Development and teacher recommendation. May also be taken concurrently with Advanced Child Development.**

This experience is designed for students who are considering elementary education or special education as a career choice. Students will visit elementary school classrooms in the South Brunswick School District and observe teaching and learning. Students will have the opportunity to interact with students, to assist teachers, and as the year progresses, to develop and execute their own small and large group lesson plans. Outside reading will be required including

books on "The Responsive Classroom " approach that is used throughout the South Brunswick School District elementary schools. Students must provide their own transportation to and from the elementary school.

<b>H17697</b>	<b>Fashion and Textiles in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Fashion in the 21st Century introduces students to career paths in the apparel industry. A variety of hands-on, creative projects demonstrate skills necessary for career success. As well, as a variety of media and technology tools will be stressed for career readiness. Simultaneously, students will learn skills that enable them to learn on their own, think critically and apply knowledge to new situations.

<b>H17698</b>	<b>Kids in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** Admission to this class is by application only. Please see your counselor to pick up an application.

Kids! Kids! Kids! 21st Century introduces students to the teaching profession by combining regularly scheduled class sessions a playschool laboratory experience. Emphasis is placed on the acquisition of work place skills and the development of ethical behaviors/core values related to teaching. Students will gain experience with the "Tools of the Mind" preschool curriculum, and they will begin the study of child development through textbook assignments and observations in the playschool lab. They will be responsible for observing and assessing preschoolers. Also, current topic related to children and their healthy development will be researched and shared using available technology. Students may not have serious behavioral infractions for the year prior to taking this course.

### James Kimple Center - Alternative Program

The James Kimple Center's mission is to provide an educational experience for students who are more likely to achieve academic success and reach their potential in a non-traditional small learning community. The program offers the required courses necessary for a South Brunswick High School diploma within a flexible environment. Located in an adjacent wing of South Brunswick High School, the Kimple Center is available to all SBHS sophomores, juniors, and seniors. Participation is voluntary and requires both parental approval and program acceptance. A request or recommendation to the program can be made by a student, staff member or parent/guardian. All referrals must initially be given to the student's guidance counselor or case manager to be reviewed.

Who Benefits From Alternative Education?

- Students who require more individualized instruction and/or personalized attention.
- Students who need to recover lost credits.
- Students who require shorter instructional blocks and smaller class sizes.

Besides the traditional alternative school student descriptions listed above, other situations may arise in a student's high school career which may merit more flexible options.

See course descriptions within department listings.

### Mathematics

#### Out of District Math Courses for Advancement (Summer)

##### Option II Pathway to Graduation

**TAKING SUMMER MATH COURSES FOR ADVANCEMENT IS NOT A RECOMMENDED PRACTICE.** We promote and believe that full year math courses are the most appropriate for students to practice and master foundational math concepts, as well as, to afford time for process and application of the newly learned skills. In past years, more than **80%** of the students taking summer courses have not demonstrated sufficient mastery to advance to the next course. However, in order to provide students with the opportunity to take prerequisite courses, students may apply for permission to enroll in summer courses at another accredited academic institution. Any course taken in a concentrated summer session (120) hours requires a grade of 85% or better to fulfill prerequisite requirements. In addition, students will be required to take a placement test and score at least 85% to advance to the next course.

The placement test will be offered during the second week of August. **Please note that due to Algebra 1 being a high school graduation requirement, it is not a choice for summer advancement and the full year course may not be bypassed.**

Prior to registering for a course, the student MUST complete and submit the Option 2 application to the high school principal on or before **March 1** (a copy of the course curriculum and hours must be included with the application.)

Completing a summer course with an 85% or better in the course and on the placement test will assign the student to the course at the appropriate level. For example, if a student is scheduled for Geometry and takes a Geometry class in the summer and meets the requirements, he/she will be placed into Algebra II. If a student is originally scheduled for Advanced Geometry and meets the requirements, he/she will be placed into Advanced Algebra II. Please note that any changes will only be made if there is room in the course and changes cannot be made for AP level Science courses. Under no circumstances will courses be overloaded.

Credit for these described courses will be awarded for students who achieve both an 85% in the course and an 85% on the placement exam.

All fees and any necessary transportation arrangements are the responsibility of the student and his/her family.

<b>H13064</b>	<b>Integrated Alg.II</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite:** Algebra 1 or Elements of Algebra 1 and a teacher recommendation.

These courses are designed to develop algebra and geometry skills through investigations of real-life situations and mathematical modeling. Students use algebra and study functions, statistics and probability, geometry and trigonometry. Students at this level must be able to work successfully alone and collaboratively in a small group setting. This course provides support and remediation for students who earned credit in Algebra. Students will complete Integrated Geometry with Algebra II during the first semester, followed by Integrated Algebra II in second semester. Classes will meet every day. This course will include a focus on preparing students for the Algebra 2 PARCC exam.

<b>H13307</b>	<b>Integrated Geometry with Alg. II</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite:** Algebra 1 or Elements of Algebra 1 and a teacher recommendation.

These courses are designed to develop algebra and geometry skills through investigations of real-life situations and mathematical modeling. Students use algebra and study functions, statistics and probability, geometry and trigonometry. Students at this level must be able to work successfully alone and collaboratively in a small group setting. This course provides support and remediation for students who earned credit in Algebra I but did not achieve a passing score on the NJ Ask, Grade 8. Students will complete Integrated Geometry with Algebra II during the first semester, followed by Integrated Algebra II in second semester. Classes will meet every day. This course will include a focus on preparing students for the PARCC exam.

<b>H13308</b>	<b>Math Skills and Test Preparation</b>	<b>Grades: 12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Recommended by Supervisor

In this course, students will build the reading and writing/math skills and knowledge necessary to be successful on PARCC. Instruction will focus on skill building and test preparation aligned to PARCC, as well as the alternative assessments such as SAT, PSAT, ACT, ASVAB and Accuplacer. Students will have opportunity to practice sample tests as well as working on skills in focused, class assignments.

<b>H13310</b>	<b>CS Topics: Data Structures &amp; Game Design</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** Completion of AP Computer Science A with a grade of 85% or better

Data Structures & Game Design is a continuation of the computer science program. This project-focused course is a more formal and a more in-depth study of algorithms, data structures, and data abstraction. The course includes multi-dimensional arrays, sets, maps, exception handling, stacks, queues, and heaps. The use of recursive data structures and dynamically allocated structures is fundamental to the course. Other topics to be covered include graphical user interfaces (GUI) and multimedia (graphics and sound) applications. Please note that each CS Topics courses will be offered on alternate school years.

<b>H13311</b>	<b>AP Computer Science Principles</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** Completion of Algebra 2 with a grade of 85%, Advanced Algebra 2 with an 80% or better, or Honors Algebra 2 with a 75% or better

AP Computer Science Principles is designed to be equivalent to a first semester introductory college computing course. The course will introduce students to the central ideas of professional-level computing and the primary principles of computer science. The content of this course focuses on algorithms, programming, big data, and abstraction. Big Ideas that will be explored include 1) Computing is a creative activity, 2) Abstraction reduces information and detail to facilitate focus on relevant concepts, 3) Data and information facilitate the creation of knowledge, 4) Algorithms are used to develop and express solutions to computational problems, 5) Programming enables problem solving, human expression, and creation of knowledge, 6) The Internet pervades modern computing, and 7) Computing has global impact.

<b>H13312</b>	<b>CS Topics: Mobile Application Development</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** Completion of AP Computer Science A with a grade of 85% or better

Mobile Application Development is a continuation of the computer science program. This course will focus on creating apps for Android based phones and tablets. Students will learn about the life cycle of an application, activities, fragments, adapters, widgets, broadcasts, services, multi-threading, inner classes and other topics fundamental to app development. An emphasis will be placed on projects and students will have the opportunity to use a game engine on the final assessment. Please note that each CS Topics courses will be offered on alternate school years.

<b>H33100</b>	<b>Integrated Math I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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These courses are designed specifically for the James Kimple Center to incorporate elements of Algebra I Algebra II and Geometry that are taught in the main building. They are designed to re-enforce "learned" concepts and appropriately teach new concepts by restructuring the curriculum map to fit the students' needs.

<b>H33101</b>	<b>Integrated Math II</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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These courses are designed specifically for the James Kimple Center to incorporate elements of Algebra I, Algebra II and Geometry that are taught in the main building. They are designed to re-enforce "learned" concepts and appropriately teach new concepts by restructuring the curriculum map to fit the students' needs.

<b>H33102</b>	<b>Integrated Math III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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These courses are designed specifically for the James Kimple Center to incorporate elements of Algebra I, Algebra II and Geometry that are taught in the main building. They are designed to re-enforce "learned" concepts and appropriately teach new concepts by restructuring the curriculum map to fit the students' needs.

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<b>H13001</b>	<b>Transitional Pre-Algebra I</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** The following are used to determine placement: student's scores on the Algebra Predictive Test; the grade received in the eighth grade; teacher recommendation.

Transitional Pre-Algebra is designed to prepare students for Elements of Algebra I. Topics studied include numerical operations, operations with integers, introductory algebra, patterns and functions.

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<b>H13011</b>	<b>Elements of Algebra I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** The following are used to determine placement: student's scores on the Algebra Predictive Test; the grade received in the eighth grade; teacher recommendation.

This course is a complete Algebra I course which emphasizes many topics represented on state standardized assessments and on college entrance exams. Topics include simplifying expressions, solving equations, graphing and writing equations of lines, operations on polynomials, exponents and radicals, factoring polynomials, linear and quadratic functions, statistics, and solving related word problems. Although the coverage is less in-depth than Algebra I, it does offer the student an opportunity to complete the math sequence of an Algebra course, a Geometry course, and Algebra II by the end of the junior year.

Note: Students completing this course generally move into Elements of Geometry.

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<b>H13012</b>	<b>Algebra I</b>	<b>Grades: 9,10,11</b>	<b>5 Credits</b>
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**Prerequisite:** The following are used to determine placement: student's scores on the Algebra Predictive Test; the grade received in the eighth grade; teacher recommendation.

This course provides students with a solid foundation in algebra. Topics include simplifying expressions, solving equations, graphing and writing equations of lines, operations on polynomials, exponents and radicals, factoring polynomials, linear and quadratic functions, statistics, and solving related word problems.

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<b>H13021</b>	<b>Elements of Geometry</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Elements of Algebra I or Algebra I.

This course continues the sequence begun with Elements of Algebra I. It includes the same topics as the Geometry course, however there is less emphasis on formal proof here, and more emphasis on algebraic solutions to geometric problems. Note: Teachers may also recommend this course for students with grades below 73% in Algebra I.

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<b>H13022</b>	<b>Geometry</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 9th grade Algebra I with a grade of 73% or better, or Elements of Algebra I with a 95% and a teacher recommendation.



This course is designed to help students develop an understanding of geometric concepts, and an ability to apply them in a variety of situations. Students will use models, computer programs, and other visual aids to develop spatial visualization, to solve problems involving algebraic skills, to use reasoning and critical thinking to reach conclusions in both mathematical and nonmathematical situations, and to explain concepts using clear and precise language.

<b>H13023</b>	<b>Advanced Geometry</b>	<b>Grades: 9,10</b>	<b>5 Credits</b>
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**Prerequisite: Algebra I with a grade of 95% or better.**

This course is designed for those students who have been accelerated in their study of Algebra I or who have been exceptional students in Algebra I at the high school. In addition to the topics covered in Geometry, students will be expected to demonstrate independent thinking, as they explore and solve in-depth problems related to the covered topics and their applications. There is a strong emphasis on formal proof.

<b>H13031</b>	<b>Elements of Algebra II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of Elements of Algebra I or Algebra I and Elements of Geometry or Geometry.**

This course is a complete Algebra II course, which reviews and emphasizes topics represented on state standardized assessments and on college entrance exams. Although the coverage is less in-depth than Algebra II, it does offer the student an opportunity to complete a 3-year sequence of mathematics. Topics include linear, quadratic and rational functions and their graphs, matrices, sequences and series, probability, permutations, systems of equations and inequalities. The students will also be exposed to the use of graphing calculators.

<b>H13032</b>	<b>Algebra II</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Minimum of 73% in Algebra I or a 95% in Elements of Algebra I AND successful completion of either Geometry, Elements of Geometry or Advanced Geometry.**

This course offers a comprehensive review of the skills and concepts of first year algebra and then progresses into linear, quadratic and rational functions and their graphs, matrices, systems of equations and inequalities, operations with complex numbers and an introduction to logarithms. Graphing calculators will be used to enhance understanding of functions.

<b>H13034</b>	<b>Advanced Algebra II</b>	<b>Grades: 9,10,11</b>	<b>5 Credits</b>
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**Prerequisite: To enroll in this course as a freshman a student must have completed Algebra I and Geometry with a grade of 85% or better. A sophomore must have a grade of 95% in Geometry, or 80% in Advanced Geometry. To take this course concurrently with Geometry as a sophomore, a student must have a 95% average in Algebra I, the current teacher's signature, and the approval of the Math Supervisor.**

This Algebra II course is designed for students who have demonstrated success in both Algebra I and Geometry. It offers in-depth coverage of all Algebra II topics and moves at a faster pace than Algebra II. In addition to the topics covered in Algebra II, a strong emphasis in trigonometry is included.

<b>H13002</b>	<b>Honors Algebra II</b>	<b>Grades: 9,10</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** A minimum grade of 95% in both Algebra I and Advanced Geometry and teacher recommendations. Students who have taken Algebra I and/or Geometry outside of the High School must have achieved a 95% on both the Mid-year and Final Exams for these courses.

This course is designed to prepare students for Advanced Placement Math courses. The course offers a more rigorous coverage of all topics in Advanced Algebra II. In addition, an in depth study of Sequences and Series, Right Triangular Trigonometry, Circular Trigonometry, and Exponential Functions is integral to this course. This course is fast-paced and challenging. A strong Algebra I and Geometry background is essential. Students who have taken Algebra I and/or Geometry outside of the high school must have demonstrated a superior understanding of these core courses in order to expect to be successful in this course.

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<b>H13050</b>	<b>Trigonometry and Algebraic Functions</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Completion of Algebra II with a grade of 77% or better, or completion of Elements of Algebra II or Integrated Algebra 2 with a grade of 95% or better.

This course is designed for the math student completing an Algebra II course. A review of essential Algebra II topics as well as a strong emphasis on Trigonometry, including identities and graphs, will assist the student in the continuation of high school mathematics and introductory college courses. Other topics covered will include probability, sequences and series, and exponential and logarithmic functions.

Note: This course is does not prepare most students for Calculus. Juniors completing this course generally move into Introduction to Statistics in their senior year. This course is not designed for sophomores as courses which follow this course are designed for 1 year only.

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<b>H13036</b>	<b>Advanced Pre-Calculus</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Completion of Honors Algebra II with a passing grade of 65% or higher, Advanced Algebra II with a grade of 73% or higher or Algebra II with a passing grade of 95% and a teacher recommendation.

This course is designed for the math student completing Advanced Algebra II or excelling in Algebra II. Upon successful completion of this course the student will be prepared for Calculus. Advanced Pre-Calculus provides a rigorous, in-depth analysis of functions and their graphs both algebraically and graphically. The emphasis of the course is upon pre-calculus topics, such as trigonometric and logarithmic functions. The properties of arithmetic and geometric sequences will be explored. An introduction to Calculus topics such as limits, continuity, and the derivative of polynomial functions is also included. Students will use graphing calculators.

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<b>H13033</b>	<b>Honors Pre-Advanced Placement Calculus</b>	<b>Grades: 9,10,11</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Completion of Advanced Algebra II with a grade of 93% or Honors Algebra II with a grade of 80% or higher.

This course is designed to prepare students for Advanced Placement Calculus. The emphasis of the course is placed on topics such as functions, analytic trigonometry, sequences and series. Topics will be approached algebraically and graphically. There is also a study of limits and an introduction to Calculus. The course workload is rigorous and students should expect at least one hour of homework each night. A TI-89 graphing calculator is required.

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<b>H13043</b>	<b>Calculus</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Advanced Pre-calculus with a grade of 75% or higher or completion of Pre-Advanced Placement Calculus. Students completing Trigonometry and Algebraic Functions must have at least a 95% average and a teacher recommendation to take this course.

This course gives students the calculus background necessary for most college calculus courses. It includes a non-sophisticated treatment of limits and continuity of functions. The definition of derivative and definite integral are developed in detail. The process of differentiation and integration of algebraic, circular, exponential and logarithmic functions and their applications are studied in depth. Several techniques of integration are explored including algebraic substitutions, partial fractions and integration of parts. A TI-84 graphing calculator or equivalent is required.

<b>H13055</b>	<b>College Calculus</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Pre- Advanced Placement Calculus with a 75% or Advanced Pre-Calculus with a grade of 90% or better.

This college-level course presents fundamental ideas of calculus including the derivative, integral, and their applications. Topics include fundamentals of analytic geometry and transcendental functions. The process of differentiation and integration of algebraic, circular, exponential and logarithmic functions and their applications are studied in depth. Several techniques of integration are explored including algebraic substitutions, partial fractions, and integration of parts. Note: Students have the option of earning four college credits from Middlesex County College through the High School Scholars partnership. Details will be provided by the instructor during the initial weeks of the course.

\*\* To receive college credits through Middlesex County Community College, students must meet the grade requirements listed above or achieve at least a 650 of the math portion of the SAT.

<b>H13044</b>	<b>Advanced Placement Calculus AB</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Pre-Advanced Placement Calculus with a grade of 80%, Calculus with a grade of 85%, College Calculus with a grade of 75% or Honors Algebra II with a minimum grade of 95% and a teacher recommendation, or Advanced Pre-Calculus with a minimum grade of 95%. Students must have a strong background in Algebra 2 - at least a 75% in Honors Algebra 2, 85% in Advanced Algebra 2, or a 95% in Algebra 2.

Advanced Placement Calculus AB is a course designed to prepare students for the Advanced Placement Examination AB. If a student's examination grade is considered acceptable by a college or university, the student could be given a credit and /or advanced placement standing in the college mathematics curricula. Since one half of the exam is in essay form, the course is designed to explore not only the basic topics of differentiation and integration, but graphing, interpretation of graphs, application, theory, proofs, and topics involving the use of the graphing calculator are considered as well (TI-89 graphing calculator is required). Sample tests supplied by the advanced placement Board are used as supplementary exercises to acquaint students with the type of questions that appear on the Advanced Placement Exam.

Note: Students will be required to complete a summer assignment that reviews functions, limits and graphing calculator procedures. A quiz based on the summer assignment material will be given the very first day of class.

<b>H13045</b>	<b>Advanced Placement Calculus BC</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Pre AP calculus with a minimum grade of 90%, or AP Calculus AB with a minimum grade of 87% or College Calculus with a 93%.

Advanced Placement Calculus BC is a course designed to prepare students for the Advanced Placement Examination BC. If a student's examination grade is

considered acceptable by a college or university, the student could be given a credit and /or advanced placement standing in the college mathematics curricula. Since one half of the exam is in essay form, the course is designed to explore not only the basic topics of differentiation and integration, but graphing, interpretation of graphs, application, theory, proofs, and topics involving the use of the graphing calculator are considered as well (TI-89 graphing calculator is required). Sample tests supplied by the advanced placement Board are used as supplementary exercises to acquaint students with the type of questions that appear on the Advanced Placement Exam.

Note: Students will be required to complete a summer assignment that reviews functions, limits and graphic calculator procedures. A quiz based on the summer assignment material will be given the very first day of class.

<b>H13037</b>	<b>Discrete Math I</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of a Geometry course and an Algebra II course.

What is the fewest number of colors needed to color the map of Africa? How can you determine who is the best football team in the nation? What is the shortest and fastest route between Denver and Seattle if you consider speed limits? These are some of the intriguing questions that will be explored in this applications-based course. The emphasis in this course is on the use of problem-solving and critical-thinking skills for everyday situations - or practical dilemmas. In addition, this course will review topics as needed for college placement exams. Recognizing that colleges desire incoming students to have completed a math sequence through Algebra II, Discrete Math is recommended to college-bound students who have already passed Algebra II. However, it is also recommended to students who pass Geometry and want to take another math elective in addition to Algebra II.

<b>H13038</b>	<b>Preparation for College Math</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite:** This course is only opened to students who have successfully completed Elements of Algebra II or Integrated Algebra 2 with a grade of 80% or higher. The Math Department Supervisor must approve all other students

This course is designed to prepare seniors for entry-level college mathematics such as Intermediate Algebra or Pre-Calculus. An in depth review of Algebra I and Algebra II topics as well as functions, graphing, an introduction to trigonometry and conic sections comprise the majority of this course curriculum. Also included will be tips for college placement examinations such as the Accuplacer used by New Jersey Community Colleges.

<b>H13049</b>	<b>Introduction to Statistics</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Trigonometry and Algebraic Functions or Advanced Pre-Calculus.

This introductory statistics course is a senior level elective that focuses on statistics through critical thinking and applications. The topics include surveys, distributions, hypothesis testing, confidence intervals, and probability. TI-84 graphing calculators will be used extensively and are required. Assessments will include tests, quizzes, projects, and papers.

<b>H13051</b>	<b>Advanced Placement Statistics</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Advanced Pre-Calculus with a grade of 85% or higher or completion of Pre- Advanced Placement Calculus or 65% or better in College Calculus, Calculus and AP Calculus BC.

AP Statistics is an advanced course covering the following: Analysis and evaluation of data using probability theory as a tool for analysis of a situation, which involves chance including random variables and probability distributions. The use of statistics as a basis for prediction and decision-making via random sampling, hypothesis testing, correlation and regression analysis will also be covered.

<b>H13063</b>	<b>Computer Science in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of Algebra I with a grade of 87% or better**

Students enrolling in this course will be taught apply 21st Century Skills through programming a personal computer and will apply their programming skills to problem-solving situations. The course requires good computer knowledge, solid mathematical sense, and sharp analytical skills. Topics include mathematical notation, read, write, and decision statements, loops, nested loops, generation of random numbers, procedures, functions, strings, text files, and arrays. The emphasis will be on developing good programming style and technique.

<b>H13057</b>	<b>Computer Science I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of Algebra I with a grade of 87% or better.**

Students enrolling in this course will be taught to program a personal computer and to apply their programming skills to problem-solving situations. The course requires good computer knowledge, solid mathematical sense, and sharp analytical skills. Topics include mathematical notation, read, write, and decision statements, loops, nested loops, generation of random numbers, procedures, functions, strings, text files, and arrays. The emphasis will be on developing good programming style and technique.

<b>H13052</b>	<b>Advanced Placement Computer Science A</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Completion of Computer Science I with a grade of 85% or better or Computer Science in the 21st Century with an 85%.**

AP Computer Science A is for students who wish to extend their knowledge of computer programming. This course applies advanced programming and problem-solving techniques using Java as the language. Topics will include fundamentals of object-oriented design, data types, searching and sorting techniques, elementary exception handling, methods, and debugging. The course will be taught with the expectation that students will take the AP Computer Science exam.

<b>H13060</b>	<b>Multivariable Calculus and Linear Algebra</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Physics and a minimum grade of 80% in AP Calculus BC or AB or a score of at least a 4 on the AP Calculus AB or BC exams.**

This course, based on two college-level courses, is open to students who have completed a year of science and calculus. It will benefit any student who wants to study mathematics beyond calculus. The course will cover the theory (including proofs) and applications of Multivariable Calculus and Linear Algebra with an emphasis on developing functional knowledge of the subject. Topics will include three-dimensional analytic geometry, partial derivatives, multiple integrals, vector calculus, line integrals, systems of linear equations, matrices, determinants, vector spaces, linear transformations, eigenvalues, and eigenvectors

Students requesting this course must have a strong commitment to learning and

excellent independent study skills.

Students are expected to complete a summer assignment given by the teacher.

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<b>H13061</b>	<b>Differential Equations and Complex Analysis</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Multivariable Calculus and Linear Algebra.**

This course, based on two college-level courses, is open to students who have completed Multivariable Calculus and Linear Algebra. The course will cover the theory and applications of Differential Equations & Complex Analysis with an emphasis on developing functional knowledge of the subjects. Topics will include First- and Second-Order Differential Equations, Laplace and Fourier Transforms, Complex Numbers, Analytic Functions, Complex Integration--if time permits, Series Representation of Analytic Functions, Residue Theorem, Conformal Mapping, and selected topics from Mathematical Physics.

Students requesting this course must have a strong commitment to learning and excellent independent study skills.

Students are expected to complete a summer assignment given by the teacher.

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<b>H13062</b>	<b>Analysis</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Multivariable Calculus and Linear Algebra.**

This is a rigorous introduction to Analysis. The emphasis will be on theorems and proofs. Therefore, students signing up for Analysis must have--or be willing to develop--outstanding independent study skills to do well in this most challenging advanced undergraduate mathematics course. If time permits, both real and complex analysis topics will be covered. Students who are interested in taking the course should meet with the instructor to discuss their preparedness for the course.

In order to help students develop abstract thinking skills, there will be numerous supplemental readings and in-class discussions about topics ranging from philosophy, science & math to the environment and society in general. A few videos will be shown during the year.

Students are expected to complete a summer assignment given by the teacher.

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<b>H23020</b>	<b>Applied Math</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

This course is designed to prepare students for Pre-Algebra. It is designed for students who need instruction in basic math skills, including computation, number concepts, measurement, geometry, and consumer related skills. Emphasis is placed on the practical application of these skills to daily living situations, through hands-on activities. Instruction is individualized and adapted to students' learning needs.

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<b>H23039</b>	<b>Transitional Skills Math</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

Students would take this course after completing Pre-Algebra and Basic Geometry. This course is designed for students who need instruction in basic math skills, including computation, number concepts, measurement, algebra, geometry, and consumer related skills. Emphasis is placed on the practical application of these skills to daily living situations, through hands-on activities. Instruction is individualized and adapted to students' learning needs.

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<b>H23040</b>	<b>Pre-Algebra</b>	<b>Grades: 9,10</b>	<b>5 Credits</b>
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**Prerequisite:** The student should be able to complete basic computation and demonstrate understanding of number sense. Teacher recommendation.

Pre-Algebra is designed to prepare students for Elements of Algebra I or Basic Geometry. Topics studied include numerical operations, operations with integers, introductory algebra, patterns and functions. This course is designed for students who need individualized instruction in the concepts listed above. Emphasis is placed on the practical application of these skills to daily living situations, through hands-on activities. Instruction is individualized and adapted to students' learning needs.

<b>H23045</b>	<b>Basic Geometry</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Current Teacher Recommendation

These courses are designed for students who need instruction in basic math skills, including computation, number concepts, measurement, algebra, geometry, and consumer related skills. Emphasis is placed on the practical application of these skills to daily living situations, through hands-on activities. Instruction is individualized and adapted to students' learning needs.

## Music & Theatre Arts

Chorus is open to all students who are interested in vocal music.

<b>H17356</b>	<b>Freshman Band Option II</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Freshman Band is a course for freshman instrumental students with skill on band instruments. It is designed to expose the student to many forms, styles and composers of music. Students develop their musical abilities in style, technique, elementary theory and simple analysis. All students are members of the Concert Band and, to the extent possible, are scheduled for a technique lesson one period a week. All members will be eligible for membership in Marching Band and small ensembles. Students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts are required.

<b>H17339</b>	<b>Concert Band-Full Year</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Recommendation of Music Teacher

Band is a course for instrumental students with skill on band instruments. It is designed to expose the student to many forms, styles and composers of music. Students develop their musical abilities in style, technique, elementary theory and simple analysis. All students are members of the Concert Band and, to the extent possible, are scheduled for a technique lesson one period a week. All members will be eligible for membership in Marching Band and small ensembles. Students will be required to attend extra pre-concert rehearsals in addition to their own daily practice. Participation and performance in concerts are required.

<b>H17340</b>	<b>Concert Band-Semester</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** Recommendation of Music Teacher

Band is a course for instrumental students with skill on band instruments. It is designed to expose the student to many forms, styles and composers of music. Students develop their musical abilities in style, technique, elementary theory and simple analysis. All students are members of the Concert Band and, to the extent possible, are scheduled for a technique lesson one period a week. All members will be eligible for membership in Marching Band and small ensembles. Students will be required to attend extra pre-concert rehearsals in addition to their own daily practice. Participation and performance in concerts are required.

<b>H17406</b>	<b>Symphonic Band- 10</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of music teacher.**

Symphonic Band is a course for instrumental students with advancing skill on band instruments. It is designed to expose the student to demanding Band Literature. Students will develop advanced performing concepts. All students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts are required.

<b>H17407</b>	<b>Symphonic Band 11/12</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of music teacher.**

Symphonic Band is a course for instrumental students with advancing skill on band instruments. It is designed to expose the student to demanding Band Literature. Students will develop advanced performing concepts. All students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts are required.

<b>H17408</b>	<b>Symphonic Band- 10 Semester</b>	<b>Grades: 10</b>	<b>2.5 Credits</b>
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**Prerequisite: Recommendation of music teacher.**

Symphonic Band is a course for instrumental students with advancing skill on band instruments. It is designed to expose the student to demanding Band Literature. Students will develop advanced performing concepts. All students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts are required.

<b>H17409</b>	<b>Symphonic Band- 11/12 Semester</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Recommendation of music teacher.**

Symphonic Band is a course for instrumental students with advancing skill on band instruments. It is designed to expose the student to demanding Band Literature. Students will develop advanced performing concepts. All students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts are required.



<b>H17359</b>	<b>Honors Wind Ensemble</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Audition and recommendation of Music Teacher.

Wind Ensemble is a course for advanced instrumental students. It is designed to provide a high level musical experience. Students will be required to attend extra rehearsals in addition to their own daily practice. Participation and performance in concerts is required.

<b>H17349</b>	<b>Freshman Chorus Option II</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Freshman Chorus - Option II is a class designed for freshman and open to all students who are interested in vocal music. The principles of tonal production, diction, phrasing and basic music theory will be taught. Sight-reading will be taught and developed. This is a performance course. In addition to performing for the Winter, Mid-Winter and Spring Concerts, that Chorus performs for various school and community functions. Field trips to musical theatre, professional concerts and workshops are arranged throughout the year where applicable.

Participation in additional rehearsals and performance in concerts is required.

<b>H17410</b>	<b>Music for the 21st Century/Choir</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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This course will allow choral students the opportunity to continue to study formally while enhancing their learning by infusing 21st century skills curriculum. Participation in rehearsals and performance in concerts is required.

<b>H17345</b>	<b>Chorus-Full Year</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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Chorus is open to all students who are interested in vocal music. The principles of tonal production, diction, phrasing and basic music theory will be taught. Sight reading will be taught and developed. This is a performance course. In addition to performing for the Winter, Mid-Winter and Spring Concerts, that Chorus performs for various school and community functions. Field trips to musical theatre, professional concerts and workshops are arranged throughout the year where applicable. Participation in rehearsals and performance in concerts is required.

<b>H17346</b>	<b>Chorus-Semester</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Chorus is open to all students who are interested in vocal music. The principles of tonal production, diction, phrasing and basic music theory will be taught. Sight reading will be taught and developed. This is a performance course. In addition to performing for the Winter, Mid-Winter and Spring Concerts, that Chorus performs for various school and community functions. Field trips to musical theatre, professional concerts and workshops are arranged throughout the year where applicable. Participation in rehearsals and performance in concerts is required.

<b>H17347</b>	<b>Honors Concert Choir</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Audition and recommendation of Music Teacher.

This is an advanced level performance course. In addition to performing for the winter, mid-winter and spring concerts, the concert choir will perform for various school and community functions. Field trips to musical theater, professional concerts and workshops are arranged throughout the year where applicable. Participation in rehearsals and performance in concerts is required.

<b>H17353</b>	<b>Freshman Strings Option II</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Freshman Strings - Option II is a class designed for freshman string students with skill on string instruments (violin, viola, cello, bass and harp). Students will develop skills in ensemble playing. To the extent possible, students will be scheduled for individual lessons in order to develop skills needed. This is a performance course. The Orchestra will perform in the Winter, Mid-Winter and Spring Concerts.

Attendance is expected at all additional rehearsals and concerts.

<b>H17343</b>	<b>String Orchestra-Full Year</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of music teacher.**

String Orchestra is a class designed for string instruments (violin, viola, cello, bass and harp). Students will develop skills in ensemble playing. To the extent possible, students will be scheduled for individual lessons in order to develop skills needed. This is a performance course. The Orchestra will perform in the Winter, Mid-Winter and Spring Concerts. Attendance is expected at all additional rehearsals and concerts.

<b>H17344</b>	<b>String Orchestra- Semester</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Recommendation of music teacher.**

String Orchestra is a class designed for string instruments (violin, viola, cello, bass and harp). Students will develop skills in ensemble playing. To the extent possible, students will be scheduled for individual lessons in order to develop skills needed. This is a performance course. The Orchestra will perform in the Winter, Mid-Winter and Spring Concerts. Attendance is expected at all additional rehearsals and concerts.

<b>H17400</b>	<b>Honors Chamber Orchestra</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite: Audition and Recommendation of Music Teacher.**

This course is designed for advanced orchestral string players. It will provide a high level musical experience through advanced repertoire and performance. Students will be required to attend extra rehearsals in addition to their own daily practice. Participation and performances in concerts and scheduled events is required.

<b>H17413</b>	<b>Freshman Percussion Option II</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Freshman Percussion Ensemble - Option II is a course designed for freshman instrumental students with beginning to advanced skill in a wide variety of classical percussion instruments. Primary areas of performance study will include battery, mallet, and auxiliary percussion with secondary units based on class interest and literature requirements (e.g. Drumset, World Percussion, etc.) Students will develop their musical abilities in performance, technique, elementary theory, and simple analyses. Students will rehearse and perform outstanding percussion literature for solo and small ensemble. Music will be chosen that not only enhances and develops technical ability, but also develops aesthetic awareness. Students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts is required.

<b>H17412</b>	<b>Percussion Ensemble</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Teacher Recommendation**

Percussion Ensemble is a course designed for instrumental students with beginning to advanced skill in a wide variety of classical percussion instruments. Primary areas of performance study will include battery, mallet, and auxiliary percussion with secondary units based on class interest and literature requirements (e.g. Drumset, World Percussion, etc.) Students will develop their musical abilities in performance, technique, elementary theory, and simple analyses. Students will rehearse and perform outstanding percussion literature for solo and small ensemble. Music will be chosen that not only enhances and develops technical ability, but also develops aesthetic awareness. Students will be required to attend extra pre-concert rehearsals in addition to their own daily practice.

Participation and performance in concerts is required.

<b>H17350</b>	<b>Music Theory I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This course explores the theoretical aspects of music; notation, harmony, style and composition. Students will compose music for four voices and small ensembles in Level I, as well as developing knowledge of the keyboard for composition purposes.

<b>H17352</b>	<b>AP Music Theory</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Grade of 85% in Music Theory I and recommendation of teacher.**

This is an advanced college level course, which follows the curriculum established by the College Board. This is a very intense program that requires advanced level skills in music theory.

<b>H17355</b>	<b>Theatre Arts Workshop I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This course is designed for the student interested in theater. All aspects of theatrical production will be studied; acting, set design and construction, lighting, directing, and producing. Students will be active in each of these areas. Each student will develop a repertoire of scenes suitable for audition or performance. Theatre Arts Workshop I will produce an evening of student directed one-acts in which students are responsible for all phases of production. Field trips to professional/community theatres, as well as guest speakers and workshops will be arranged where applicable.

<b>H17357</b>	<b>Theatre Arts Workshop II</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: Successful completion of Theatre Arts I with a grade of 83% or better**

Theatre Arts Workshop II will continue the growth of the individual student. Concentration on an interest field will be stressed for each individual (i.e. acting, directing, etc.). Field trips to professional/community theatres, as well as guest speakers and workshops will be arranged where applicable. Work outside of the classroom on theatrical productions will be required.

<b>H17377</b>	<b>Theatre Arts Workshop III</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: Theatre Arts Workshop I and II**

This course is designed for the serious theatre student. Monologue preparation for college and outside auditions will be offered as well as larger scale directing opportunities. Students will prepare advanced stage work for presentation. Field Trips to professional/community theatres, as well as guest speakers and workshops will be arranged where applicable.

## Physical Education &amp; Health

<b>H18001</b>	<b>PEER Leadership</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite: Selection Process:**

**Students are expected to be in good academic standing, including grades, discipline records, attendance and tardiness. Students must complete a rigorous application process that includes written essays. They must also take part in group interviews. Students are selected based on written applications, interviews, as well as qualities such as reliability, leadership skills, work ethic, and integrity.**

The PEER program trains selected seniors in Project Adventure and group and facilitative skills. The PEER leaders are assigned in pairs to groups of 10-12 freshmen. During the first and fourth marking period, the seniors lead the freshman PEER groups in team building activities. During the second and third marking periods, they facilitate discussions on Health related topics.

This course takes the place of a regular Physical Education class.

<b>H18002</b>	<b>Hi - Tops</b>	<b>Grades: 12</b>	<b>5 Credits</b>
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**Prerequisite: Selection Process:**

**Students are expected to be in good academic standing, including grades, discipline records, attendance and tardiness. Students must complete a rigorous application process that includes written essays. They must also take part in group interviews. Students are selected based on written applications, interviews, as well as qualities such as reliability, leadership skills, work ethic, and integrity.**

The HiTops program trains selected seniors as Peer Educators in topics such as pregnancy Prevention, Sexually Transmitted Infections, HIV/AIDS Awareness, Homophobia Reduction, Date Rape/Violence Prevention. HiTops Educators present workshops to 9th, 10th and 11th grade health classes.

HiTops is part of TEEN Pep, a nationally recognized program sponsored by the State Department of Health and Senior Services, Princeton Center for Leadership Training and HiTops Health Clinic.

This course takes the place of regular Physical Education/Health class.

<b>H18010</b>	<b>Adolescent Issues</b>	<b>Grades: 9</b>	<b>1.25 Credits</b>
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The Adolescent Issues curriculum consists of four components: Mental Health, Substance Abuse (use and misuse), Human Sexuality and First Aid. Students learn to make responsible decisions for their health by using cognitive, affective, and skill based techniques. As a result, students recognize the body of knowledge pertaining to health, personal experience, and personal growth in the development of a positive self-concept. Furthermore, students will gain skills in executing personal decisions about health-related life choices. Discussion of abstinence, contraception, pregnancy, relationships, and date rape are included in this course.

<b>H18011</b>	<b>Physical Education 9</b>	<b>Grades: 9</b>	<b>3.75 Credits</b>
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This course is required for all 9th grade students. The Physical Education program is completely co-educational. The Physical Education calendar consists of three marking period units. Ninth grade students will be assigned to activities which are designed to increase self-esteem, team building skills, variety of sport activities, and improve fitness levels including Fitnessgram activities.

The ninth grade students will also be involved in Project Adventure (a challenge-by-choice curriculum) through Peer Leadership.

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<b>H18020</b>	<b>Driver Education</b>	<b>Grades: 10</b>	<b>1.25 Credits</b>
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This 10th grade program is comprised of classroom driver education. This course is one marking period. Passing this course is a graduation requirement. This course meets the state's requirement of 30 hours of classroom driver education training. The objectives of this course are to educate the students on the basic Division of Motor Vehicle Laws, driving techniques and safety practices as stated in the New Jersey state drivers' manual.

Students that meet and pass the course are eligible to take the state written exam.

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<b>H18021</b>	<b>Physical Education 10</b>	<b>Grades: 10</b>	<b>3.75 Credits</b>
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This course is required for all 10th grade students. The Physical Education calendar consists of three marking period units. The Physical Education Program is completely co-educational. 10th grade students will be assigned to activities which are designed to increase self-esteem, team building skills, variety of sport activities and improve fitness levels including Fitnessgram activities.

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<b>H18030</b>	<b>Adult Issues</b>	<b>Grades: 11</b>	<b>1.25 Credits</b>
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This 11th grade program is required for all 11th grade students. This course is one marking period. Course content includes the following units: nutrition, body image, emotional health, eating disorders, relationships, sexuality and infectious diseases.

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<b>H18031</b>	<b>Physical Education 11</b>	<b>Grades: 11</b>	<b>3.75 Credits</b>
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This course is required for all 11th grade students. It is a co-educational, elective program. This course consists of three marking period units. Activities include lifetime activities, fitness, and team and individual sports.

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<b>H18040</b>	<b>Senior Health</b>	<b>Grades: 12</b>	<b>1.25 Credits</b>
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This course is required for all 12th grade students. This course is one marking period. The Senior Health curriculum reviews prior health knowledge and incorporates additional information to enable students to make intelligent health decisions. Students will conduct research on a selected health topic, develop and advocacy position and complete a research paper and visual presentation.

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<b>H18041</b>	<b>Physical Education 12</b>	<b>Grades: 12</b>	<b>3.75 Credits</b>
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This course is required for all 12th grade students. It is a co-educational, elective

program. This course consists of three marking period units. Activities offered include lifetime activities, fitness, and team and individual sports. All seniors will take a 5 class rotation of CPR during the 2nd quarter.

<b>H18052</b>	<b>Alternative Physical Education</b>	<b>Grades: 10,11,12</b>	<b>3.75 Credits</b>
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**Prerequisite:** Classified students with failures in PE.

This course will provide modified activities for classified students at-risk of repeating PE failures.

## Science

### Science Department Course Sequencing

	Freshman	Sophomore	Junior	Senior
Path I	PES	Biology	Physics or Chem	Chem or Physics
Path II	Physics	Chemistry	Biology	Electives
<b>Doubling Path I</b>	PES	Physics & Chemistry	Biology & other Electives	Electives
<b>Doubling Path II</b>	PES	Chemistry & Biology	Physics and other electives	Electives
<b>Doubling Path III</b>	Physics	Chemistry & Biology	Electives (or Physics)	Electives

**Electives may be any course including AP sciences.**

Physical and Earth Science and Biology I are designed to give students a broad background in science in order to produce scientifically literate citizens in today's highly technological society.

- In any sequence, students may take Honors courses if they have met the prerequisites.
- Students may double up and attend summer courses to meet pre-requisites for higher level courses.  
**Successful completion of summer courses will not impact placement into AP Science courses for September after course is completed.**
- Students who meet prerequisites and would like to double up should do so at the time of course selection and should not wait until September.
- **Students who do not complete summer assignments for AP courses will not be allowed to take the course, even if they met pre-requisites and were originally placed in the course.**

#### Minimum Requirement for Graduation

- 15 credits in science including completion of PES and Biology by the end of 12th grade.
- Taking the NJBCT is a graduation requirement for all students graduating 2014 onwards.
- Alternatively, students who take Physics, Chemistry and Biology fulfill this minimum requirement.

<b>H14090</b>	<b>Academic Physical and Earth Science</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Ninth Grade Placement. Students who are placed Algebra 1 in 9th grade with scores of 90% and above in 8th grade math course, and students who have earned less than 83% in Algebra 1 at the middle school.

Like Physical and Earth Science, Academic PES is also a skill-based, laboratory-centered course designed to introduce the 9th grade high school student to topics in physical science, earth science, and environmental science at the high school level. Students will carry out experiments and activities in order to understand the world around them better and to develop good scientific thinking skills. Physical and Earth Science meets the requirements of colleges and universities as a lab science course. Students will use a variety of strategies to learn about concepts such as structure of matter, changes in matter, motion, forces, energy, electricity, magnetism, Earth, and space. Students' grades are based upon a variety of assessments including activities, presentations, laboratory work, reports, homework, tests, and quizzes. The scope and pacing of this course will be

different from PES to meet the needs of those students who feel the need to be challenged.

<b>H14091</b>	<b>Science Technology and Society</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of:

**1)Biology.**

**and**

**2)Successful completion of one of PES, Academic PES, Physics or Chemistry.**

Science is a human endeavor that has a great impact on society. The application of scientific knowledge (technology) has vast social and environmental consequences and must be evaluated in light of these. Society in turn influences and channels science and its applications. It is important for scientists, politicians, and each citizen to understand the complex interrelationships between science, technology, and society.

Students in this course have an opportunity to examine current issues in which science, technology, and society interact, to develop informed responses, and to improve decision-making communication skills. Topics are studied using a thematic, case-study approach. Student evaluation is based on contributions in class, informed participation in discussions, student writing, projects on the major concepts, and the completion of research assignments.

<b>H14092</b>	<b>A.P. Physics I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** Prerequisite: Rising 9th Graders: 93% in MS Algebra I & MS Geometry  
Rising 10-12th Graders:

**1)One of 70% Honors Physics or 83% in Physics I or 93% in Academic PES or 93% in PES.**

**and**

**2)90% in Alg. II or 83% in Adv. Alg II or 77% in Hon. Alg.II.**

**and**

**3)90% in Geo. or 83% in Adv.Geometry.**

This course replaces AP Physics B, per College Board mandates as of 2014-15. AP Physics B can no longer be offered.

Advanced Placement Physics I is a demanding college-level, laboratory-based course. It is designed for students who have a high interest in physics. Although students planning on a college major in science, engineering, mathematics, or a related field would still have to take a calculus-based physics course (a course equivalent to AP Physics C), AP Physics I provides excellent preparation for the above college majors including pre-med programs. Students who complete AP Physics I may later choose to take AP Physics C for full credit.

AP Physics I is Algebra-Based, and is the equivalent to a first-semester college course in algebra-based physics. The curriculum from College Board requires that we include Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound, and also introduce electric circuits. At our school, other topics will also be included in the course to give students a complete introduction to Physics, in the event that they choose not to take another Physics course later in their school career.

Grades are based upon a variety of assessments, including, but not limited to: activities, lab work and reports, homework, and tests.

Students must complete a summer assignment given by the teacher.

AP Physics I prepares students to take the Advanced Placement Examination, which all students are required to take. This is an intensive course that requires an extraordinary amount of independent study on the part of the student. We will make extensive use of mathematics to study the patterns that govern our natural world.

Students must be proficient in algebra, geometry, and must become proficient in trigonometry to succeed.

<b>H14093</b>	<b>Biotechnology</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Students must have earned a**

- 1) 77% or higher in Biology or 75% or higher in Hon. Biology and**
- 2) 77% or higher in Chem. 1T, or 75% or higher in Hon. Chemistry**

This course is designed to help students understand the use of living organisms and their components to develop technologies to improve the quality of human life. A variety of topics and issues will be addressed including cellular structure and function, enzyme activity, classical and molecular genetics, DNA science, genetic engineering applications, and current techniques. Implications for health, agriculture, the environment, law, ethics and society will be explored through case studies, student research, discussion, and examination of current events. Students will perform laboratory experiments designed to introduce the basic techniques of biotechnology including DNA extraction, electrophoresis, and identification of genetically modified foods, DNA transformation and polymerase chain reaction.

<b>H14095</b>	<b>Engineering Theory and Application</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Students must have earned a**

- 1) 83% or higher in MS Algebra or 80% or higher in Algebra 1 and**
- 2) 83% or higher in MS Geometry, or 73% or higher in Advanced Geometry and**
- 3) 80% or higher in Physics 1T, or 80% or higher in Physics 1A, or 77% or higher in Hon. Physics and**
- 4) 80% or higher in Chemistry 1T, or 77% or higher in Hon. Chemistry**

This course is a project-based learning course that extends prior work in math and science, and applies it to the engineering design problems and processes. Multiple areas will be explored including, but not limited to, the traditional disciplines of chemical, civil, electrical, and mechanical engineering. Additional design topics include cost analysis, ethics, and communications (oral and written). The course will assist students in making decisions on a prospective major and include discussions on post-graduate opportunities in the work force and graduate education

<b>H14096</b>	<b>Chemistry in the Community</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Any of: Scored 77% or greater from H13011 (Elements of Algebra 1) in codes (M1,F1). Scored 70% or greater from H13012 (Algebra 1) in codes (M1,f1). Scored 73% or greater from M9303 (Algebra 1) in codes (F1). Scored 65% or greater from H14010 (Physical & Earth Science) in codes (M1,F1). Scored 65% or greater from H14033 (Physics 1) in codes (M1,F1). Scored 65% or greater from H14034 (Physics 1) in codes (M1,F1). Scored 65% or greater from H14053 (Honors Physics) in codes (M1,F1). Scored 65% or greater from H14090**



**(Academic Physical & Earth Science) in codes (M1,F1). Scored 65% or greater from H54017 (Option II Honors Physics) in codes (M1,F1).**

This version of Chemistry I emphasizes the influence of chemistry on our lives. It is designed for students planning careers not related to science. The units of study are: water; resources; petroleum; nuclear chemistry; food; air and climate; chemistry and health; and chemical industry.

<b>H24020</b>	<b>Elements of Biology B</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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This course is designed to provide students with a basic knowledge of biological science. Emphasis is placed on the body systems, nutrition, plant and animal life. Information and skills are applied to everyday experiences. This course offers small group instruction at a modified and individualized pace, adapted to the students' learning needs.

<b>H24021</b>	<b>Science, Technology and Society B</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** \* By permission of current teacher only.

This course is designed as a third year of science and will focus on applications of scientific concepts to real life situations. This course offers small group instruction at a modified and individualized pace, adapted to the students' learning needs.

<b>H14010</b>	<b>Physical and Earth Science</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** Ninth Grade Placement.

Physical and Earth Science is a skill-based, laboratory-centered course designed to introduce the 9th grade high school student to topics in physical science, earth science, and environmental science at the high school level. Students will carry out experiments and activities in order to understand the world around them better and to develop good scientific thinking skills. Physical and Earth Science meets the requirements of colleges and universities as a lab science course. Students will use a variety of strategies to learn about concepts such as structure of matter, changes in matter, motion, forces, energy, electricity, magnetism, Earth, and space. Students' grades are based upon a variety of assessments including activities, presentations, laboratory work, reports, homework, tests, and quizzes. This course is a prerequisite for many of the upper level science courses.

<b>H14088</b>	<b>Elements of Biology I</b>	<b>Grades: 10,11</b>	<b>5 Credits</b>
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**Prerequisite:** Student placement is based on the following: Successful completion of PES, current teacher recommendation, and approval by supervisor.

Elements of Biology I is intended as a second year of science and is designed to introduce students to life sciences. It fulfils the life science requirement for high school graduation. This course is considered a lab science, and student taking this course will be awarded an academic unit. Students in Elements of Biology study all the core content topics taught in Biology I as per NJCCCS. Vocabulary and text reading will be limited to only the essential necessary for students to develop a basic understanding of core concepts. Laboratory experiments, demonstrations, exhibits, and class reports are included in classroom activities. Students will work both individually and in groups. Students' grades are based upon class assignments, class activities, presentations, laboratory work, laboratory reports, homework, tests, quizzes and a variety of other assessments.

<b>H14012</b>	<b>Biology I</b>	<b>Grades: 10,11</b>	<b>5 Credits</b>
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**Prerequisite:** Passing grade in Academic PES or passing grade in PES and tenth grade reading level is highly recommended.

Biology I is a laboratory-based course designed to introduce the student to the life sciences. Students in Biology I will carry out experiments and learn concepts in order to study organisms and life-supporting processes. Biology I meets the requirements of colleges and universities as a lab science course. Students will use a variety of strategies to learn about ecology, biochemistry, classification, cells, reproduction, genetics, evolution, botany, and a survey of living things.

Some of the laboratories are designed to demonstrate or illustrate concepts, while others are inquiry-based and involve open-ended experiments. Successful completions of these laboratories are required to fulfill the course requirements. Students are assigned homework frequently. Students will also do project work throughout the year. Students' grades are based upon class assignments, class activities, presentations, laboratory work, laboratory reports, homework, tests, quizzes and a variety of other assessments.

This course is a prerequisite for many of the upper level life science courses.

**H14013**

**Honors Biology I**

**Grades: 10,11**

**5 Credits**

Honors Weighting

**Prerequisite:** 1) One of 90% in English I Academic I, or 90% in English Academic II, or 83% in Honors English I or 83% in Honors English II.

and

2) one of 90% in Academic PES or PES, 83% in Chemistry or 77% in Hon. Chemistry or 80% in Physics I and Co-enrollment in Chemistry.

This course is more rigorous than Biology I, including a more intensive investigation of the course topics and a faster pace. In addition to the course concepts and laboratory work, emphasis will be on higher level thinking skills, writing assignments, oral reports and projects. A year-long, independent project involving field work, research, and creative presentation will be assigned. In addition, students are assigned a biology-related novel to read. Honors Biology students are expected to have independent study skills, a strong interest in science, and the motivation to work hard throughout the school year. A college level textbook is used with Honors Biology I.

**H14017**

**Biology II**

**Grades: 11,12**

**5 Credits**

**Prerequisite:** Successful completion of Biology

and

One of Academic PES, PES or Physics.

Biology II is a lab-based course designed to allow students who are successful in Biology I to continue to learn about the living world. The main objective of this course is to show how adaptations allow for increased organism complexity and diversity. Biology II is taught in two sections. The first half of the year focuses on the study of plants (botany). Topics include: classification, the origin and diversity of plants, an overview of plant structure and function, energy transport and growth in plants, plant response and reproduction, and the ecological roles of plants. Students will be required to grow and maintain plant specimens and will frequently use microscopes to make scientific drawings. The second half of the year will focus on the study of animals (zoology). Topics include: basic characteristics of animals, characteristics of several of the major phyla of the animal kingdom, the evolutionary changes that have occurred between the phyla,

and the ecological roles of animals. Lab work may include modeling as well as actual work with plants and animals. This course will be assessed by a variety of methods that will include, but not be limited to, activities, tests, presentations, laboratory work and homework.

Students should be aware that specimen dissection is a major component of the zoology section of the course, and students that find dissection objectionable are advised to consider selecting another science elective.

<b>H14018</b>	<b>Field Ecology and Animal Behavior</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 1) 77% in Biology I or 73% in Honors Biology.

and

2) 77% in Chemistry I or 73% in Honors Chemistry.

Field Ecology and Animal Behavior is a lab-based course that explores the relationships between organisms and the non-living environment. The course is designed for serious science students who are self-motivated and have an interest in biological or environmental science. This course teaches not only the content of ecology and animal behavior, but also the lab methods and techniques required to obtain accurate and valid data from experiments. Topics of study include, but are not limited to: the elements of an ecosystem, comparisons of different ecosystems and biomes, transect line and quadrant sampling, plant specimen preservation and identification, populations, toxicology and risk assessment, and innate and learned animal behaviors. This course offers open-ended laboratory activities, and students will be required to design, run, and collect data from their own experiments. Strong analysis, writing, and graphing skills are a must. Students are assessed by a variety of methods including the writing of research papers and lab reports, presentations, homework, and tests. Students who are squeamish when handling live animals or who do not enjoy field work are strongly advised not to take this course. Students must be prepared to do field work regardless of weather.

<b>H14019</b>	<b>Human Anatomy and Physiology</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 1) 80% Biology I or 77% in Honors Biology.

and

2) 80% in Chemistry I or 77% in Honors Chemistry.

Human Anatomy and Physiology is an Honors course focused on the study of the structures and functions of the human body. The course is organized according to levels of increasing complexity from the cellular level on up to the organ systems and their interaction and coordination. Some of the many topics covered will be the terminology and relationships of body parts, the regulating mechanisms (hormones and nervous system) within the body, the responses to stress and the pathological disorders (diseases) of the human body. Other organisms will be utilized in order to compare and contrast anatomies. A large portion of the course will revolve around a variety of laboratory activities. The laboratories will include: microscope use, chemical analysis, use of anatomical models, guided dissection, open ended experimentation, and the use of various technologies such as computer simulations, interfacing, and CD ROMS. The course is designed for students who will be pursuing one of the many careers in the health sciences (this includes technologists as well as emergency care workers) or students who are interested in expanding their present knowledge of the human body. The student's grade in this course will be based on laboratory work and reports, tests, projects, homework, and lab practicals. Due to the nature of the course itself, there is a considerable amount of memorization and mastery of advanced vocabulary necessary for its successful completion.

<b>H14020</b>	<b>Chemistry I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Any one of the following:

**83% in (93% in Elements of) Algebra I or 77% in Algebra II or 65% in Adv. Algebra II or 65% in Hon. Algebra II**

**AND**

**87% in PES or 83% in Academic PES or 80% in Physics I or 73% in Honors Physics or 65% in AP Physics I.**

This version of Chemistry I emphasizes content and theory. It is designed for students planning careers related to science. The main topics included are: measurement; modern atomic theory; the mole concept; formulas and equations; chemical calculations; acids and bases; chemical bonding; periodic properties, equilibrium, oxidation reduction.

<b>H14022</b>	<b>Honors Chemistry</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 1) (90% in Algebra I or 83% in Algebra II or 80% in Adv. Algebra II or 77% in Hon. Algebra II)

and

2) one of (90% in Academic PES or PES, or 83% in Physics I or 77% in Hon. Physics or 73% in AP Physics B)

This course is similar to Chemistry I T but will cover a wider array of topics at a faster pace. Emphasis will be placed upon higher order critical thinking skills, problem solving ability, and laboratory technique. Students will be expected to use their initiative to design their own experiments, at times cooperatively, sometimes competitively. Students should possess skills that enable them to organize long-term projects and meet deadlines. Topics covered will include those covered in Chemistry I T and additional topics such as thermochemistry, electrochemistry, organic chemistry, and solubility.

It is strongly recommend that students enrolled in Physics I/Hon. Physics/AP Physics B in 9th grade, who want to take Biology in 10th grade should also co-enroll in Chemistry for 10th grade.

<b>H14033</b>	<b>Physics I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 1) 83% (average over all three trimesters) in MS Algebra I for rising 9th graders

OR

2) 80% in both Algebra I & Geometry (90% in Elements of Algebra and Geometry) for 10-12th graders.

Both versions of Physics I address the same physics concepts. Students are advised to select the version of Physics I that best suits their plans for college majors and for career choices. There is no distinction in course title on the transcript.

This version of Physics I provides emphasis on physics content and theory. It is designed for students planning careers related to science. The main topics included are: motion, forces, work and energy, momentum, gravity, electrostatics, simple circuits, magnetism, and waves. Algebra, trigonometry, and graphical analysis are mathematical tools used in this course.

<b>H14034</b>	<b>Physics I: A Active Physics (Theme-based Physics I)</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 1) Any one of 73% in (83% in Elements) Algebra I or 73% in Algebra II or 65% in Adv. Algebra II or 65% in Hon. Algebra II.

and

**2)One of 73% in Geometry or 83% in Elements of Geometry.**

Both versions of Physics I address the same physics concepts. Students are advised to select the version of Physics I that best suits their plans for college majors and for career choices. There is no distinction in course title on the transcript.

This version of Physics I provides emphasis on the influence of physics on our lives. It is designed around relevant themes and projects. This is a change from the usual organization around content topics. It is designed for students planning careers not related to science. The units of study are: sports, home, medicine, predictions, transportation, and communication. We strongly discourage students from taking this course at the 9th grade level.

<b>H14053</b>	<b>Honors Physics</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** 1)Both 87% in MS Algebra I & MS Geometry for rising 9th graders or both (83% in Algebra II, or Adv. Algebra II, or 77% Hon. Algebra II).

and

2)(87% in Geometry or 83 % in Trigonometry) for 10-12th graders.

This course is similar to AP Physics B but not designed to prepare students for the AP test. The emphasis is on developing an in-depth conceptual understanding of physics. Topics include mechanics, rotational mechanics, electricity & magnetism, thermodynamics, oscillations and waves, sound, optics, quantum physics, and selected topics in modern physics. Students' grades are based upon a variety of assessments including activities, presentations, laboratory work, reports, homework, tests, and quizzes.

<b>H14039</b>	<b>Astronomy</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** 1)Successful completion of Biology or concurrent with Biology.

Astronomy is an activity-based course focused on the universe beyond the earth. The course begins with study and observation of the moon then moves on to the solar system, stellar evolution, galaxies, and ends with the study of theories on how the universe has evolved (from the beginning to the end). The course will include observation and interpretation of objects such as planets, moons, comets, meteors, and other cosmic phenomena. Students will also study instruments used in astronomy and the concepts by which they function. Students will be expected to work independently, cooperatively, and at times, competitively. Students will do project work throughout the semester. The projects are designed to demonstrate or illustrate concepts, and are inquiry-based. Grades are based upon class assignments, class activities, projects, presentations, homework, tests, quizzes and a variety of other assessments.

<b>H14089</b>	<b>Forensic Science</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** 1)Successful completion of Academic PES or PES or Physics

and

2)One of Biology I or Honors Biology.

This course is an application of basic biological, physical and chemical principles and technology to the study of criminal and civil issues. The class will be student centered and inquiry-based.

<b>H14041</b>	<b>Advanced Placement Chemistry</b>	<b>Grades: 10,11,12</b>	<b>10 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 1) 87% in (83% in Honors) Chemistry I-T.

and

2) 87% in Physics I-T or 83% in Hon. Physics or 70% in AP Physics or 93% in Academic PES or PES.

and

3) 93% in Algebra II (or 85% in Advanced, 75% in Honors.)

Advanced Placement Chemistry is a rigorous and demanding college-level course. It is designed for students with an interest in science, medicine, engineering or a related field. Advanced Placement Chemistry is laboratory-oriented, with a substantial amount of home study required. This course prepares students for the Advanced Placement Examination which all students are required to take.

Students are expected to complete a summer assignment given by the teacher. A.P. Chemistry is developed within a framework of concepts such as the chemical bond, the structure of matter, matter-energy relationships, the mole concept, equilibrium, chemical notation, periodicity, and aspects of organic and nuclear chemistry. While students in Advanced Placement Chemistry study many of the topics of Chemistry I, they proceed with greater independence of thought and develop a great deal more insight into the realm of chemistry by engaging in a more rigid, more sophisticated approach to the topic under study. The overall instructional strategy approach is that of a first year college chemistry course. The student grades are based upon tests, homework, lab reports, and clear communication of their understanding of the concepts taught. The student requesting A.P. Chemistry must possess a thorough working knowledge of algebraic principles.

<b>H14042</b>	<b>Advanced Placement Biology</b>	<b>Grades: 11,12</b>	<b>10 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 1) 87% in Biology I or 83% in Honors Biology I,

and

2) 87% in Chemistry I or 83% in Honors Chemistry,

and

3) 87% in Algebra II or 80% in Adv. Algebra II, 77% in Hon. Algebra II

and

4) 90% in (87% in Honors) sophomore (or junior) Academic English

Advanced Placement Biology is a rigorous and demanding college-level course. It is designed for students with an interest in science, biology, medicine or a related field. Advanced Placement Biology is laboratory-oriented, with an extraordinary amount of home study required. This course prepares students for the Advanced Placement Examination which all students are required to take.

Students are expected to complete a summer assignment given by the teacher. Advanced Placement Biology stresses college-level academics on a wide range of subject matter such as: cell physiology, biochemistry, metabolism, respiration, photosynthesis, genetics and animal anatomy and physiology. While students in Advanced Placement Biology study many of the topics of Biology I, they proceed with greater independence of thought and develop a great deal more insight into the realm of biology by engaging in a more rigid, more sophisticated approach to the topic under study. The overall instructional strategy approach is that of a first year college biology course. The curriculum meets and exceeds the topics required by the College Board for the Advanced Placement Biology Exam. This course uses texts that are used in Colleges and Universities. The student grades are based upon a sophisticated summer assignment, tests, homework, laboratory reports and clear communication of their understanding of the concepts taught.

<b>H14043</b>	<b>Advanced Placement Physics C</b>	<b>Grades: 11,12</b>	<b>10 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 1)87% in Physics I (83% in Honors) or completion of AP Physics B.

and

2)Enrollment in Calculus.

Advanced Placement Physics is a rigorous and demanding college-level course. It is designed for students with an interest in science, medicine, engineering, mathematics or a related field. The emphasis of the course is on in-depth understanding and analysis of concepts covered, with an extraordinary amount of home study required.

Students are expected to complete a summer assignment given by the teacher.

This course prepares students for two separate Advanced Placement Examinations in Calculus Based Physics: Mechanics and Electricity & Magnetism which all students are required to take. AP Physics is a standard University level course (first or second year) for science and/or engineering students. The ability to understand and analyze the structure and the dynamics of the universe is emphasized. While students in Advanced Placement Physics study many of the topics of Physics I and Advanced Physics, they proceed with greater independence of thought and develop a great deal more insight into the realm of physics by engaging in a more sophisticated approach to the topics under study. Assessment tools will include tests, quizzes, homework, experiment-designs, written and verbal analysis of a topic or reading, and presentations. Students taking this course are given opportunities to do further independent study involving advanced topics in physics and multivariable calculus with applications to physical science.

The student requesting A.P. Physics must have a complete commitment to learning physics with excellent study skills and must possess a strong command of mathematics up to Calculus.

<b>H14044</b>	<b>Advanced Placement Environmental Science</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 1) 80% in Hon. Biology I or 83% in Biology I.

and

2) 80% in Honors Chemistry I or 83% in Chemistry I.

and

3) 87% in Algebra II or 80% in Adv.Alg II, 70% in Hon. Alg II.

Advanced Placement Environmental Science course is an introductory college course. Students should have an interest in the environment, natural sciences, or engineering. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Admission to an AP course ordinarily depends on the student's interest in the subject as well as on a superior record. AP Environmental Science, a rigorous science course with several prerequisites, is no exception. This course prepares students to take the Advanced Placement Examination which all students are required to take. Students must complete a summer assignment given by the teacher.

The course's major topics define the scope of both the course and the AP exam. Topics include: Earth Systems and Resources (fundamental principles and concepts), The Living World (ecosystems and processes), Population, Land and Water Use, Energy Resources and Consumption (fossil fuels and alternative sources), Pollution, and Global Change. The course includes a laboratory and investigation component. Students are expected to have a strong math background to handle quantitative analysis required in the course. Students' grades are based upon a variety of assessments, including, but not limited to:

activities, laboratory work and reports, homework, and tests.

<b>H24012</b>	<b>Physical and Earth Science B*</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

This course is designed to introduce students to topics in physical, earth and environmental science in a small group instructional setting. Information and skills are applied to everyday experiences. This course follows the mainstream curriculum at a modified and individualized pace, adapted to the students' learning needs.

## Social Studies

**All students must take three required Social Studies courses:** Ninth grade students must take American Government, tenth grade students must take U.S. History, and eleventh grade students must take Global Studies. Students choosing to take an A.P. course in grade 11 must also enroll in Honors or Academic Global Studies concurrently, as this is a required course for all juniors. Elective courses may be taken by students in grades 11 and 12.

<b>H12109</b>	<b>Perspectives on 9/11</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course will explore the ideological origins that led to 9/11, U.S. foreign policy after the Cold War, and study the complications of the term terrorism. The course will analyze the justification of terroristic acts, the role human nature plays in terrorism, historic examples of terrorism, and the aftermath of 9/11 with regards to domestic policy, governmental and social changes.

<b>H12111</b>	<b>Vietnam Era</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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The Vietnam War changed the way America viewed itself and its role in the world. It continues to impact American culture, foreign policy and military engagement. This will be examined from multiple perspectives, using a variety of sources which include primary sources, fiction, non-fiction, poetry, music and film. ("We Were Soldiers", "Platoon", "Good Morning Vietnam", "Hamburger Hill", and "Born on the 4th of July" and others may be shown). Vietnam veterans will provide firsthand accounts of what it meant to serve in their country. The course also analyzes the lasting impact that the Vietnam Era had on the way in which the U.S. wages modern wars. Veterans of Iraq and Afghanistan may be invited to share their experiences. A trip to the NJ Vietnam Memorial and Education Center will may also be planned.

<b>H12212</b>	<b>The Holocaust</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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Mass violence, torture, and mistreatment of human beings are continuing aspects of humanity.

This course will provide students with a greater understanding of the role of perpetrators, apathetic bystanders and victims of human cruelty and genocide. It will examine the factors that enable humans, collectively and individually, to carry out crimes against humanity. This course will study the impact of prejudice, racism, nationalism and stereotypes and how they serve as a foundation of genocide. The events of the Holocaust will be studied through primary sources, film, literature and the testimony of victims and perpetrators.

<b>H12213</b>	<b>Genocide Studies</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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Mass violence, torture, and mistreatment of human beings are continuing aspects of humanity.



This course will provide students with a greater understanding of the role of perpetrators, apathetic bystanders and victims of human cruelty and genocide. It will examine the factors that enable human, collectively and individually, to carry out crimes against humanity. This course will study the impact of prejudice, racism, nationalism and stereotypes and how they serve as a foundation of genocide. The genocides in Turkey, Cambodia, Rwanda and Sudan will be examined through primary sources, film, literature and the testimony of victims and perpetrators.

<b>H12099</b>	<b>American Government</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** Placement will depend upon Crossroads' performance, recommendations from Crossroads' Social Studies teachers and NJASK scores.

American Government is designed for those students who would benefit from a greater emphasis on skill development and delivery of content at a more deliberate pace. This course is required for all ninth graders and provides students with a strong foundation in the U.S. Constitution including: the structure and function of government; the role of government in a capitalist economic system; elections and the political process; the Bill of Rights; and the social justice movements that seek to protect the rights of all citizens. Assessments will include projects, debates, Socratic Seminars, essays, and tests.

<b>H12098</b>	<b>Academic American Government</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** Placement will depend upon Crossroads' performance, recommendations from Crossroads' Social Studies teachers and NJASK scores.

Academic American Government is the college preparatory level of this course. It is designed for those students with well developed skills in reading comprehension, writing, research, note taking and organization. This course is required for all ninth graders and provides students with a strong foundation in the U.S. Constitution including: the structure and function of government; the role of government in a capitalist economic system; elections and the political process; the Bill of Rights; and the social justice movements that seek to protect the rights of all citizens. Assessments will include projects, debates, Socratic Seminars, essays, and tests.

<b>H12097</b>	<b>Honors American Government</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite:** Placement will depend upon Crossroads' performance, recommendations from Crossroads' Social Studies teachers and NJASK scores.

Honors American Government is designed for those students who are highly motivated, independent learners and who have demonstrated superior skills in reading comprehension, writing, research, note taking and organization. This course is required for all ninth graders and provides students with a rigorous study of the U.S. Constitution including: the structure and function of government; the role of government in a capitalist economic system; elections and the political process; the Bill of Rights; and the social justice movements that seek to protect the rights of all citizens. Assessments will include projects, debates, Socratic Seminars, essays, and tests.

<b>H12108</b>	<b>Transitional American Government</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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Transitional American Government is designed for students who are in Advanced ESL or who have recently exited the ESL program. This is a transitional course that emphasizes the development of Social Studies skills including reading

comprehension, research, writing and public speaking. Students will study the U.S. Constitution including: the branches of government; elections and the political process; the Bill of Rights; and social justice movements. Students will also learn about the role of government in a capitalist economic system. This course fulfills graduation requirements and may be taken by students in grades 9-12. This course will be available 2013-2014

<b>H22037</b>	<b>American Government B*</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

American Government B\* is designed to expose students to the basic principles of government in a small group setting. This class follows the mainstream curriculum at a modified and individual pace, with instruction adapted to the student's learning needs. This course is required for all ninth graders and provides students with a foundation in the U.S. Constitution including: the branches of government; elections and the political process; the Bill of Rights; and the social justice movements that seek to protect the rights of all citizens. Students will also be introduced to the role of the government in a capitalist economic system.

<b>H12023</b>	<b>U.S. History</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of 9th grade American Government teacher.**

U.S. History is intended for students who have demonstrated a need in 9th grade for a class which progresses at a more deliberate pace and places greater emphasis on strengthening Social Studies skills, including reading, reading comprehension, writing and research. This course is required for all tenth graders and begins with a study of U.S. History in the post-Reconstruction era of the 1880's and continues through the 20th century to modern times. Political, social, economic, and geographic themes and events are studied, providing students with the opportunity to expand their reading, writing, and critical thinking skills. Classes may view portions of "Rosewood", "Saving Private Ryan", "Good Morning Vietnam " or "Schindler's List."

<b>H12024</b>	<b>Academic U.S. History</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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**Prerequisite: Students wishing to move to Academic US History must have a 90% or better in American Government or a passing grade in Academic American Government.**

Academic U.S. History is the college preparatory level of this course. It is designed for students with developed Social Studies Skills, including text reading comprehension, writing, and research, who are comfortable with more challenging class work. This course is required for all tenth graders and begins with a study of U.S. History in the post-Reconstruction era of the 1880's and continues through the 20th century to modern times. Political, social, economic, and geographic themes and events are studied, providing students with the opportunity to expand their reading, writing, and critical thinking skills. Classes may view portions of "Rosewood", "Saving Private Ryan", "Good Morning Vietnam" or "Schindler's List".

<b>H12027</b>	<b>Honors U.S. History</b>	<b>Grades: 10</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: 83% or better in Honors American Government or 93% or better in Academic American Government and Teacher Recommendation.**

Honors U.S. History is designed as a rigorous study of U.S. History. Students should have advanced reading and writing abilities and a strong interest and motivation to pursue a more challenging study of U.S. History. This course is

required for all tenth graders and begins with a study of U.S. History in the post-Reconstruction era of the 1880's and continues through the 20th century to modern times. Political, social, economic, and geographic themes and events are studied, providing students with the opportunity to expand their reading, writing, and critical thinking skills. Classes may view portions of "Rosewood", "Saving Private Ryan", "Good Morning, Vietnam" or "Schindler's List."

<b>H12036</b>	<b>Advanced Placement U. S. History</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: Students earning a 90% or better in Honors American Government or Honors US History or Honors Global Studies courses, and a 93% or better in Academic English classes, or an 85% or better in Honors English classes will be eligible to take Advanced Placement US History. All students interested in registering for an AP course must complete the AP request form. Form is available in the Guidance Office.**

This college level course is an elective for students willing to engage in rigorous and in depth study and analysis of U.S. History. Students must be capable of working independently and should excel in written expression. There will be a summer assignment requiring readings from a textbook, an outside book and an historical article, and an essay about colonial America. Note: A.P. U.S. History will fulfill the graduation requirement for U.S. History.

<b>H22010</b>	<b>U. S. History B*</b>	<b>Grades: 10</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

U.S. History begins with the post-Reconstruction era of the 1880s and continues through to modern times in a small group setting. The course follows the mainstream curriculum at a modified and individualized pace, with instruction adapted to the students' learning needs.

<b>H12101</b>	<b>Transitional US History</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of Current Teacher or ESL Teacher.**

Transitional U.S. History is designed for students who are in Advanced ESL or who have recently exited the ESL program. This is a transitional course that emphasizes the development of Social Studies skills including reading comprehension, research, writing and public speaking. Students will study modern US History including: The Spanish American War; World War I; the Great Depression; World War II; the Cold War and Vietnam.

They will learn about the modern presidents, as well as the social and cultural movements that have shaped the United States including immigration and the Civil Rights Movement. This course fulfills graduation requirements and may be taken by students in grades 9-12.

This course will be available 2014-2015.

<b>H12060</b>	<b>Global Studies</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite: Recommendation of U.S. History teacher**

Global Studies is designed for those students who will benefit from a course that progresses at a more deliberate pace and continued development of Social Studies skills, including reading comprehension, writing and research. This course is required for all 11th graders. Global Studies focuses on the recent political, social and economic developments that shape the modern world. Students will learn about the following topics: the beliefs and practices of world religions and cultures; the U.N., world institutions, globalization and outsourcing; child labor, human exploitation, and genocide; the different government and economic systems; as well as the effects of nationalism, imperialism and colonialism. Students will also study the geography, history and culture of several world regions to enhance their understanding of recent events.

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<b>H12061</b>	<b>Academic Global Studies</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite: Students wishing to move to Academic Global Studies must have a 90% or better in US History or a passing grade in Academic US History, Honors US History or Advanced Placement U S History.**

Academic Global Studies is the college preparatory level of this course. It is designed for those students who have demonstrated the ability to read independently, think critically and successfully complete research projects. This course is required for all 11th graders. Global Studies focuses on the recent political, social and economic developments that shape the modern world. Students will understand and appreciate: the beliefs and practices of world religions and cultures; the U.N., world institutions, globalization and outsourcing; child labor, human exploitation, and genocide; the different government and economic systems; as well as the effects of nationalism, imperialism and colonialism. Students will also study the geography, history and culture of several world regions to enhance their understanding of recent events.

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<b>H12062</b>	<b>Honors Global Studies</b>	<b>Grades: 11</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: 83% or better in Honors U.S. History or 80% or better in AP US History or 93% or better in Academic U.S. History and Teacher Recommendation.**

Honors Global Studies is designed for those students who are highly motivated, independent learners and who have demonstrated superior skills in reading comprehension, writing and research. This course is required for all 11th graders. Global Studies focuses on the recent political, social and economic developments that shape the modern world. Students will understand and appreciate: the beliefs and practices of world religions and cultures; the U.N., world institutions, globalization and outsourcing; child labor, human exploitation, and genocide; the different government and economic systems; as well as the effects of nationalism, imperialism and colonialism. Students will also study the geography, history and culture of several world regions to enhance their understanding of recent events.

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<b>H22036</b>	<b>Global Studies B*</b>	<b>Grades: 11</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

Global Studies B\* is designed to survey aspects of the culture, history, politics, and geography of the world and its people in a small group instructional setting. Students participate in activities to gain a better understanding of the many contributions of societies throughout the world. The course follows the mainstream curriculum at a modified and individualized pace, with instruction adapted to the students' learning needs.

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<b>H12045</b>	<b>Advanced Placement Comparative Government and Politics</b>	<b>Grades: 12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite: 87% or better in Honors Global Studies or 93% in Academic Global Studies.**

**All students interested in registering for an AP course must complete the AP request form. Form is available in Guidance Office.**

A.P. Comparative Government and Politics will explore the world's diverse political structures and practices. The course will include the study of both specific countries and their governments and general concepts used to interpret the political relationships and institutions found in virtually all national politics. Six countries form the core of the A.P. Comparative Government and Politics

Examination: Great Britain, China, Russia/the former Soviet Union, Mexico, Nigeria, and Iran.

This course requires completion of a summer assignment, which includes a background reading with questions, current events of the six nations included in the course and a vocabulary list.

<b>H12048</b>	<b>Advanced Placement European History</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 87% or better in Honors U.S. History, or 70% or better in AP US History, or 93% in Academic U.S. History for current sophomores. 90% or better in Honors Global Studies or 93% in Academic Global Studies. All students interested in registering for an AP course must complete the AP request form. Form is available in Guidance Office.

This college-level course is designed to provide students with an understanding of European History from the Renaissance to the present. Emphasis is on a general narrative of the West from 1450 to the present, including a study of political, diplomatic, intellectual, cultural, social, and economic history. This rigorous and demanding course will not only offer the students a stimulating challenge, but also will offer the possibility of exemption from a college course and facilitate the student's transition from secondary school to college. There will be a summer assignment requiring reading a nonfiction book and writing an analytical essay. Students choosing to take A.P. European History in Grade 11 must also enroll in Honors or Academic Global Studies, a required course for all Juniors.

<b>H12046</b>	<b>Advanced Placement U.S. Government and Politics</b>	<b>Grades: 12</b>	<b>5 Credits</b> <small>A.P. Weighting</small>
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**Prerequisite:** 87% or better in Honors Global Studies or Honors US History, or 70% or better in AP US History or 93% in Academic US History OR in Academic Global Studies.

All students interested in registering for an AP course must complete the AP request form. Form is available in Guidance Office.

This course is intended for qualified students who wish to complete studies equivalent to a one-semester college introductory course. This course is designed to give students a critical perspective on politics and government, involving both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also will develop familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. A summer assignment will require research the interactions of the branches of government, the media and interest groups.

<b>H10034</b>	<b>Student Leadership I</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Students must be a Student Council Officer for the upcoming school year.

Student Leadership courses are intended to promote the leadership growth of Student Council Officers. The course is designed around the proven successful business principles of reward and recognition, teamwork, quality and leadership. The students will have the opportunity to address particular needs of the high school by running monthly senate meetings. In addition, the officers will plan and execute celebrations, rituals and traditions that will be open to the entire school community.

A clearer understanding of what it takes to become a successful leader is studied. Much time is devoted to introspective exercises dealing with habits, communication and listening skills, time management and relationship building. Strong principles and honor is emphasized and encouraged. In Student Leadership II and III officers will be required to develop their leadership skills in further depth, and will be required to complete a research paper on leadership styles. This course is required for all Student Council Executive Board Members.

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<b>H10040</b>	<b>Student Leadership II</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Students must be a Student Council Officer for the upcoming school year.**

Student Leadership courses are intended to promote the leadership growth of Student Council Officers. The course is designed around the proven successful business principles of reward and recognition, teamwork, quality and leadership. The students will have the opportunity to address particular needs of the high school by running monthly senate meetings. In addition, the officers will plan and execute celebrations, rituals and traditions that will be open to the entire school community.

A clearer understanding of what it takes to become a successful leader is studied. Much time is devoted to introspective exercises dealing with habits, communication and listening skills, time management and relationship building. Strong principles and honor is emphasized and encouraged. In Student Leadership II and III officers will be required to develop their leadership skills in further depth, and will be required to complete a research paper on leadership styles. This course is required for all Student Council Executive Board Members.

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<b>H10042</b>	<b>Student Leadership III with Honors Weighting</b>	<b>Grades: 12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: Student Leadership I & II. Students must be a Student Council Officer for the upcoming school year.**

Student Leadership courses are intended to promote the leadership growth of Student Council Officers. The course is designed around the proven successful business principles of reward and recognition, teamwork, quality and leadership. The students will have the opportunity to address particular needs of the high school by running monthly senate meetings. In addition, the officers will plan and execute celebrations, rituals and traditions that will be open to the entire school community.

A clearer understanding of what it takes to become a successful leader is studied. Much time is devoted to introspective exercises dealing with habits, communication and listening skills, time management and relationship building. Strong principles and honor is emphasized and encouraged. In Student Leadership II and III officers will be required to develop their leadership skills in further depth, and will be required to complete a research paper on leadership styles. This course is required for all Student Council Executive Board Members.

Seniors facilitate and delegate each day. Student III leaders will communicate their requests inside and outside the classroom through their own communication. They cultivate new ideas and ensure all tasks are complete. they balance budgets, communicate with community members, research worthy charities, present ideas, and problem solve. Student III leaders are called upon by administration for their opinions and recommendations dealing with student body issues and concerns.

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<b>H12030</b>	<b>IPLE I</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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The Institute for Political and Legal Education (IPLE) is designed to introduce high school students to concepts and ideas associated with local, state and national politics, as well as the courts and justice system. The course is designed to address controversial, divisive topics in an open and safe forum so that students can develop their own personal ideologies while forming their own opinions on modern American issues. Throughout the year, students will work on understanding the complexities and nuances of both local and national politics. Students will explore current events and modern political happenings as well as increase their knowledge of the Supreme Court and laws. In addition, special attention is placed on national events and their relation to domestic and foreign policy, the justice system, terrorism and hate crimes. Students will also participate and organize community outreach programs such as The IPLE Holiday Fund. Local politicians and community leaders also serve as special guest

lecturers. Coursework includes reading and understanding current events, reflection papers, and projects.

<b>H12033</b>	<b>Advanced Placement Psychology</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** 90% or better in Honors U.S. History or Honors Global Studies or Honors Biology, or 87% or better in AP Biology or AP U.S. History. All students interested in registering for an AP course must complete the AP request form. Form is available in Guidance Office.

This course is intended for qualified students who wish to complete studies equivalent to a college introductory course in psychology and is significantly more rigorous and difficult than Psychology (H12034). It is designed to help students gain insight into human and animal behavior and mental processes. Students will examine various psychologists and critically analyze their research. Other topics include sensation, perception, biological bases of behavior, learning, intelligence, cognition, development (prenatal to adulthood), personality, group influence and abnormal behavior. Individual research assignments and experiments will be conducted throughout the school year. Videos shown will include "Memento" and "Girl Interrupted". A college level text is used so students must possess above average reading ability. There will be a summer assignment requiring the reading of "Opening Skinner's Box" and completion of a project based on the book.

Students choosing to take A.P. Psychology in Grade 11 must also enroll in Honors or Academic Global Studies, a required course for all Juniors.

Note: Students may either take A.P. Psychology or Psychology. They may not take both courses.

<b>H12034</b>	<b>Introduction to Psychology</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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Students taking this course should possess above average reading ability. This course serves as an introduction to the study of human behavior and experience. It concentrates on helping students achieve insights into behavior and experience from prenatal development through adolescence and maturity. Topics surveyed within the scope of contemporary psychology include research, development (intellectual, social, emotional, personality), memory, perception, altered states of consciousness, learning, stress, and abnormal behavior. Students are encouraged to understand what they learn and apply this learning to their own experiences. Activities utilized include classroom demonstrations and experiments, audio-visual presentations and out of class projects. Students should possess above average reading ability. Videos shown in this course may include "Memento" and "Girl Interrupted".

Note: Students may either take A.P. Psychology or Psychology. They may not take both courses. Keep in mind that AP Psychology is much more rigorous and demanding. AP Psychology covers additional content, includes statistics, requires research studies to be conducted throughout the year, and requires the completion of a summer assignment before the start of the school year.

<b>H12037</b>	<b>Military History</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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Wars have been a major part of human competitive life since earliest times. How and why do wars start? What are the long and short-term social, political, economic and geographic effects? Can wars be avoided? Who really has been important in wars and why? Students taking this course are involved in seeking answers to these questions as well as studying military tactics and operations of the United States from the American Revolution through Vietnam and the Mideast. Special emphasis is placed on films and simulation games as instructional tools. Videos shown in this course will include "The Patriot", "Glory", "Saving Private Ryan", and "Platoon."

<b>H12038</b>	<b>The Vietnam Era</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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In this course, students will explore the Vietnam Era through an interdisciplinary

and multimedia approach. The focus of this course is the impact of the war on society from both a historical and literary perspective. The activities and assessments will include a study of primary source material, prose, poetry, music and film (including "We Were Soldiers", "Platoon", "Good Morning Vietnam" and "Born on the 4th of July"). A trip to the NJ Vietnam Memorial and Education Center will also be planned.

<b>H12049</b>	<b>Holocaust and Genocide Studies</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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Mass violence, torture, and mistreatment of human beings are continuing aspects of humanity. This course will provide students with a greater understanding of the role of perpetrators, apathetic bystanders and victims of human cruelty and genocide. It will examine the factors that enable humans collectively and individually to carry out crimes against humanity. The course will study the impact of prejudice, racism, nationalism and stereotypes and how they serve as a foundation of genocide.

During the first semester, the class will study the Holocaust. The second semester will examine genocide in Turkey, Cambodia, Rwanda, Bosnia, Kosovo and Sudan. The course will conclude with current examples of hate taking place in the United States today, and will also potentially include field trips to museums and university education centers.

Note: A small fee may be assessed towards transportation costs associated with field trips.

<b>H12054</b>	<b>Race, Class and Gender in America</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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Race, class and gender are parts of American society. This course is designed to examine the historical and contemporary impact of the aforementioned issues on American society. Discussions will explore the roots of historical issues such as slavery, racial discrimination, gender roles and socio-economic consequences of industrialization, and relate these to current society. Class activities will include, but are not limited to, Socratic Seminar discussions, image/visual analysis, student presentations, examination of political speeches and field trips. Classes may view portions of "Breakfast Club", "Courage Under Fire", "Do the Right Thing", "Good Will Hunting", "Hollywood Shuffle", "Seige" and "Whiteboyz".

<b>H12056</b>	<b>Sociology</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course will examine topics in sociology. Sociologists are interested in trying to describe the influence of society on human behavior and, in turn, the influence of human behavior on society. The principal objective of this course is not just to learn facts, but to introduce students to the sociological perspective, a new way of looking at and understanding the world. The sociological perspective will be used in a number of ways to tackle a range of issues involving inequality, socialization, race, class, gender, marriage and family, and culture.

<b>H12057</b>	<b>Anthropology</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course is an introduction to both physical and cultural anthropology. Anthropology is the study of humankind everywhere, throughout time. It will examine the origins and evolution of humans as reconstructed from the fossil record and from patterns of anatomical, behavioral, and genetic similarity among living primates.

It will also look at major aspects of culture (social organization, economics, religion, etc.) The course will be textbook based with readings of enrichment outside the text.

<b>H12087</b>	<b>American Justice</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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American Justice starts with an examination of the O.J. Simpson murder trial and goes on to make connections to famous legal cases of the past and present - from the Lindbergh baby kidnapping and the Scottsboro Boys, to the West Memphis Three and the Manson cult murders. Students will consider issues of race and class bias, the role of the media, the fairness of the verdict and the impact of the case on law and society. We will also "profile" infamous serial killers such as Ted Bundy, BTK and the Zodiac. The focus is on criminal cases, but students will also become familiar with the civil law, as well as basic trial procedures. A special unit looks at the unanswered questions surrounding the Lincoln, Kennedy and King assassinations. The use of the death penalty and the treatment of juveniles in the legal system will also be debated. Throughout the course of the year, students will be introduced to careers at every level of the American justice system and will be encouraged to produce authentic and creative work. Learners of all levels, who have a sincere interest in this topic, can be successful in American Justice.

**Special Education**

The Special Education Department provides a full continuum of instructional academic options for students with unique learning needs who have been determined to be eligible for Special Education services by the child study team. Course options include resource center instruction in core academic subjects. These course offerings are listed in this booklet under the content area and include:

- English I, II, III, & IV**
- Applied Math, Pre-Algebra, Basic Geometry, Transitional Skills Math**
- Physical & Earth Science, General Biology, Environmental Science,**
- American Government, US History, Global Studies,**
- Adaptive Physical Education**
- Spanish I, II**
- Financial Literacy**

In-class support services are provided, if needed, in all mainstream core courses.

Academic support services are provided through the following course options:

**Study Skills**

This course exposes students to instruction in a variety of learning and study strategies, as well as provides them with academic support. Through this course, students also explore post high school options, assistive technology, and self-advocacy skills. Additionally, Study Skills classes are designed to provide supplemental instruction in the identified area of need including: Executive Functioning, Language Arts, Mathematics and General Study Skills. Study Skills section placement will be determined by the IEP team. 9th graders can receive 5 credits for Study Skills, while 10th-12th graders receive 2.5 credits.

**Resource Center Support**

A non-credit, flexible drop-in academic support program for students who are able to benefit from a more independent support option. Students come from their HAPs to receive tutorial, study, and organizational assistance from a special education teacher. Assistance with post high school planning is also available through this program.

**Life Skills**

The Life Skills program is available for students with developmental disabilities who require a supervised learning environment. While instruction is provided in academic areas, the major focus of the Life Skills program is on the development of functional communication, daily living and vocational skills. Individualized academic instruction takes place in small groups, following principles of Applied Behavior Analysis when appropriate. Students learn vocational skills through classroom jobs, in-school and district work study, community job sampling, and part time employment. Students participate in mainstream electives including Computer Applications, Kids, Kids, Kids, Auto, and Art I. Courses provided through this program include:

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| <b>Functional Language Arts and Math</b> | <b>Vocational Skills</b>                 |
| <b>Job Readiness</b>                     | <b>Life Skills Foods</b>                 |
| <b>Independent Living</b>                | <b>Life Skills Computer Applications</b> |
| <b>Healthy and Safe Living</b>           | <b>Adaptive Physical Education</b>       |
| <b>Leisure Skills</b>                    | <b>Life Skills Art</b>                   |

<b>H20016</b>	<b>Study Skills for Executive Functions - Grades 9-10</b>	<b>Grades: 9,10</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic

support for students. Additionally, this course will provide supplemental instruction in the area of executive functioning.

<b>H20017</b>	<b>Study Skills for Executive Functions - Grades 11-12</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Additionally, this course will provide supplemental instruction in the area of executive functioning.

<b>H20018</b>	<b>Study Skills for Language Arts</b>	<b>Grades: 9,10</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Additionally, this course will provide supplemental instruction in the area of language arts.

<b>H20019</b>	<b>Study Skills for Language Arts</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Additionally, this course will provide supplemental instruction in the area of language arts.

<b>H20020</b>	<b>Study Skills for Mathematics</b>	<b>Grades: 9,10</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Additionally, this course will provide supplemental instruction in the area of math.

<b>H20021</b>	<b>Study Skills for Mathematics</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Additionally, this course will provide supplemental instruction in the area of math.

<b>H20022</b>	<b>Study Skills General</b>	<b>Grades: 9,10</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Through this course students will explore post high school options, assistive technology, and self-advocacy skills.

<b>H20023</b>	<b>Study Skills General</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This course reinforces effective learning and study strategies, as well as academic support for students. Through this course students will explore post high school options, assistive technology, and self-advocacy skills.

<b>H21015</b>	<b>Wilson Reading</b>	<b>Grades: 9,10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Recommendation of current teacher**

Wilson Reading is an individualized, prescriptive, directed reading instructional

program.

<b>H28014</b>	<b>Adaptive Physical Education</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Recommendation of current teacher

A course for students who require individualized instruction to participate in Physical Education class.

<b>H29000</b>	<b>Resource Center Support</b>	<b>Grades: 9,10,11,12</b>	<b>0 Credit</b>
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A flexible, drop-in academic support program for students who are able to benefit from a more independent support option. Students come from their HAPs to receive tutorial, study, and organizational assistance from a special education teacher. Assistance with post high school planning is also available through this program.

## Technology Education

Each course is classified into an area of interest.

<b>H19196</b>	<b>Architecture: Design Fundamentals</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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ADF will introduce students to the fundamentals of the design process and methods of problem solving as they relate to architecture. Emphasis will be placed on residential structures; each student will design a home to include floor plans, elevations, and a model. Fundamentals of Computer-Aided Drafting and Design (CADD) will be utilized. The course is designed for the general population; students considering careers in an architecturally-related field and/or construction trades as well as future homeowners alike will uncover value added knowledge.

<b>H19197</b>	<b>Architecture: Design, Form &amp; Function</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 73% or better in Architecture: Design Fundamentals (H19196)

ADFF will begin with an overview of design fundamentals while students create plans for a summer shore home. Focus will shift to an exploration of design styles and practices by famous architects. Students will get involved with designing, drawing, and modeling techniques while preparing college portfolio pieces drawing inspiration from these architects.

<b>H19198</b>	<b>Architecture: Design &amp; Technology</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** 73% or better in Architecture: Design, Fundamentals (H19196).

ADT will explore nontraditional structures, abstracts, and the creative process of design via famous buildings. Emphasis will be placed on architectural problem solving to produce imaginative design solutions which respond to practical, theoretical, functional, and aesthetic requirements. Students will get involved with drafting and drawing, designing, and modeling techniques with a variety of materials while preparing college portfolio pieces. The year will conclude with the modeling of the dream house floor plan from ADF.

<b>H19199</b>	<b>Architecture: The Design World</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Explore architecture for a semester! The study of architecture is an exciting multidisciplinary area integrating design creativity, historical perspective, technical knowledge, and social responsibility. This course will introduce the student to each of these areas and allow for the opportunity to experience architecture as a career.

<b>H19200</b>	<b>Exploring Video Production in Society</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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Video has become a vital tool for communication. This hands-on course will give students the opportunity to plan, produce and release a video as a tool of mass production. Students will also focus on the impact that video has had through social networking and the Internet during the last decade and how it will impact society in the 21st Century. This course will give students the skills they need in order to create videos in college or for personal interest.

<b>H19201</b>	<b>Exploring Automotive Technology</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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This hands-on exploration course is designed for all students, regardless of prior knowledge or technical ability. Automotive "survival" skills will be taught including, but not limited to, changing a flat tire, changing oil and other routine maintenance tasks. The course will provide the successful students with knowledge to make proper choices as an educated consumer. Basic automotive systems and operation will also be introduced. Educational options and career choices within the field will also be explored.

<b>H19202</b>	<b>VTN Broadcast Journalism Semester</b>	<b>Grades: 11,12</b>	<b>2.5 Credits</b>
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**Prerequisite:** 83% or better in Advanced Video Production Technology or teacher interview.

Students will be responsible for informing S.B.H.S. and the surrounding community of important events, activities and accomplishments through Viking Television Network's Morning Announcements. Video journalism, newsgathering, and studio production skills will be fine-tuned while producing the five-minute "live" program. The class will explore various journalistic approaches, study the rights of the press, and evaluate their show's effectiveness of informing the community.

<b>H19000</b>	<b>Engineering Drawing I</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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This hands-on course is designed for any student with an interest in learning how to communicate as an engineer, through drawings. Students will learn to think as engineers, transferring visual or mental 3D images into 2D drawings. Students begin with traditional board skills and are introduced to computer based, engineering drawing programs(s). Students with a interest in design or engineering would benefit from this course.

<b>H19001</b>	<b>Advanced Engineering Drawing</b>	<b>Grades: 10,11,12</b>	<b>2.5 Credits</b>
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**Prerequisite: Engineering Drawing(H19000)**

This course builds on the concepts and skills learned in Engineering Drawing (H19000). Students will be asked to undertake similar experience that a true engineer / designer might expect to see. Given ideas and sketches from designers and innovators, it will be the students' task to create proper mechanical drawings to national standards from which actual models may be produced. Students will weigh the advantages and disadvantages of different materials and processing, choosing proper materials for models and parts. Traditional appearance models will be created by the students. Rapid prototyping will be introduced along with Career exploration.

<b>H19010</b>	<b>Engineering Technology</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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If you think you want to be an engineer this course is for you! Engineering Technology is designed to be a pre-engineering experience. In a fun, hands-on, interactive environment, students will explore multiple engineering disciplines. Students will actively participate in this lab-based course to solve problems in Civil, Mechanical, and Aeronautical Engineering while using the design loop. Students will be challenged to utilize multiple engineering tools spanning from the Internet for research to hand and power tools to model their solutions.

<b>H19016</b>	<b>Electronics and Robotics</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This is a design and problem-solving course. Students will draw connections to math, science, engineering and Technology while studying the principles of electricity, structures, mechanisms and programming. The course will culminate with the implementation of the automated robots to solve real-world problems. A hands-on approach to the design process will enhance learning.

<b>H19042</b>	<b>Video and Communications Technology</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This course is designed to help students become effective communicators. Students are introduced to the modern strategies of relaying information, while using print and video equipment. Through projects, the skills of planning, producing, and critiquing videos are developed. Students will be challenged to combine their technical and creative abilities in order to produce assignments. After successfully completing this course, students will be able to assist in productions for the Viking Television Network.

<b>H19046</b>	<b>Advanced Video Production Technology</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: 80% or better in Video and Communication Technology Or 80 % or better in 21st. Century Video and Communications.**

Experienced students will be asked to further their understanding of video production by producing programming for the Viking Television Network. Students will learn more advanced theories in television technology, as well as practice more in-depth digital video editing. The understanding of managing a live broadcast television station will be exercised. Students' technical and creative abilities will be put to the test.

<b>H19047</b>	<b>VTN Broadcast Journalism Technology</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: 83% or better in Advanced Video Production Technology or**

**by Teacher Interview**

Students will be responsible for informing S.B.H.S. and the surrounding community of important events, activities and accomplishments through Viking Television Network's Morning Announcements. Video journalism, newsgathering, and studio production skills will be fine-tuned while producing the five-minute "live" program. The class will explore various journalistic approaches, study the rights of the press, and evaluate their show's effectiveness of informing the community.

<b>H19067</b>	<b>Studio Production for Television</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: 83% or better in Advanced Video Production Technology or by Teacher Interview**

This course will focus on the production of a television show for the South Brunswick School District. Students will investigate the various responsibilities and requirements of producing a show for television. There will be a focus on the "behind the scenes" aspects of television production, scriptwriting, and segment planning. Students will work together as a production crew to develop the show "Making the Grade", a monthly segment focusing on the successes of students and staff in the South Brunswick School District.

<b>H19076</b>	<b>Photo Screen Printing</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This course will cover all facets of the screen printing industry from how to create artwork using Photoshop to applying a two color image of choice on substrates such as T-shirts, and canvas bags, Students taking this course will be transported by bus to the Middle School Campus.

<b>H19079</b>	<b>Automotive Technology II: Fundamentals</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Automotive Technology I: Basic Car Care OR Automotive Tech. for the 21st Century**

This in-depth full year course is designed for the student interested in Automotive Service as a hobby or possible career. A more comprehensive approach will be taken to educate the student in multiple areas of automotive theory and service. Students will work hands-on, in a controlled "shop" environment. Topics will include; advanced safety, lifts and service equipment, automotive systems function, assembly and disassembly and basic automotive restoration.

Students taking any automotive courses will be transported by bus to the Middle School Campus.

<b>H19080</b>	<b>Automotive Technology III Advanced</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Automotive Technology II Fundamentals**

This course will directly build on the concepts presented in Auto Technology II - Fundamentals. Successful students will work in a controlled shop environment and perform a variety of complicated automotive tasks. Students will work individually and as part of a team in the reconstruction of a complete vehicle. Topics include but are not limited to: engines, suspension systems, brakes, transmissions, interiors, advanced automotive restoration and career education. Students taking this course will be transported by bus to the Middle School Campus.

<b>H19094</b>	<b>Automotive Technology I: Basic Car Care</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This introductory, hands-on course is available to ALL students. An emphasis is placed on the needs of new drivers and first time car owners. By first learning about and using basic tools, students learn how to safely perform basic care maintenance. The successful student will learn how major car systems work AND how to care for them. Topics include: safety, basic tools, changing oil, tire changes and exterior / interior care.

Students taking any automotive courses will be transported by bus to the Middle School Campus.

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<b>H19103</b>	<b>Architecture in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Within the context of Architecture, students will learn to communicate, connect and collaborate in a dynamic global society. Architecture in the 21st century will prepare students to be logical thinkers by the way of following a design loop process, emphasizing knowledgeable reason and problem solving proficiency. As well, Architecture in the 21st Century will prepare students to be effective communicators, successful in a multi-tasking society, effective time managers, and technologically organized. This shall be accomplished by promoting reasonable challenge, creativity, social connectivity and professional and emotional growth.

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<b>H19110</b>	<b>Engineering in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Throughout the year students will engage themselves in all different types of projects and coursework. The focus of this class is to give students a hands-on look at being a prospective engineering student in college, and to actively engage in character education exercises. Students will be presented a problem, design and building solutions, and test their prototypes. Students will also explore different things that will help them become better members of the school community. Cooperative learning is encouraged but students will be graded on their own work.

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<b>H19142</b>	<b>Video in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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Students are introduced to the modern strategies of relaying information, while using print and video equipment. Through projects, the skills of planning, producing, and critiquing videos are developed. Students will be challenged to combine their technical and creative abilities in order to produce assignments. After successfully completing this course, students will be able to assist in productions for the Viking Television Network.

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<b>H19166</b>	<b>Technology in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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This course is designed to give students exposure to several different areas of technology education including mechanical systems, structural systems, engineering, architecture, transportation technology, electronics and robotics, communications and video production. Students will have the opportunity to develop critical thinking and problem solving skills while working in a team setting to accomplish a given task. There will be a focus on the design and problem solving process as students get a "taste" of various areas of Technology Education. The skills gained in this class will foster life-long learners who are productive citizens and workers in a global community.

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<b>H19194</b>	<b>Auto Technology in the 21st Century</b>	<b>Grades: 9</b>	<b>5 Credits</b>
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This is an introductory, hands on course, an emphasis is placed on the needs of new drivers and first time car owners. By first learning about the basic tools, students learn how to safely perform basic car maintenance. Specialized 21st Century Skills will be included in the curriculum. The successful student will learn how major car systems work AND how to care for them. Topics include: 21st Century Skill content, safety, basic tools, changing oil, tire changes, and exterior/interior care. Students taking any automotive class will be transported by bus to the Middle School Campus.

<b>H19195</b>	<b>Digital Imaging</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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This is a hands-on course in which students will learn how to make color decals, banners , signs, , vinyl masks and stickers. In addition, there are many more exciting projects which students can choose using design and layout with Adobe Illustrator Software.

## World Languages

<b>H15055</b>	<b>Spanish for Natives I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Native speaking ability of Spanish and recommendation of Spanish teacher.**

**A summer reading project, due on the first day of school is required.**

This course is being offered to students who are native speakers of Spanish and who have a more advanced command of the Spanish Language. The course will deal with advanced language concepts, introduction of Spanish short stories, and current world events. The class will be conducted exclusively in Spanish.

<b>H15077</b>	<b>Latin IV</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of Latin III with a minimum final grade of 73% AND instructor recommendation; or successful completion of Honors Latin III.**

In Latin IV students will further expand their study of advanced Latin principles through reading, translating, and analyzing ancient authors. Students will also work to develop their Latin sight reading abilities using passages from ancient authors. Some conversational Latin may be practiced. This course includes a review of key issues in Latin grammar, syntax and stylistics. The next course in this sequence is Honors Latin V

<b>H15078</b>	<b>Spanish 1A</b>	<b>Grades: 9,10</b>	<b>5 Credits</b>
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**Prerequisite: Prerequisite: Recommendation of Spanish teacher and World Language Supervisor.**

This course is designed for students who need to develop their communication skills in Spanish through adequate-paced lessons to fit the various learning styles and learning modalities. This modified curriculum is designed to bolster student performance through a variety of skill-building activities that lead to context-based assessments in the target language at the beginning level. This course fulfills one year of the two-year graduation requirement.

<b>H15082</b>	<b>Spanish Culture and Civilization</b>	<b>Grades: 9,10,11,12</b>	<b>2.5 Credits</b>
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This course is designed to teach Spanish, and the Spanish culture through culturally based thematic units. Lessons will infuse music and authentic resources to make learning relevant. Units may include the supernatural, bull fighting, legends and fears, and narcoviolence in Mexico. Grammar will be studied in context. class will be structured to allow for student input for areas of interest to be explored.



<b>H15083</b>	<b>Latin IIA</b>	<b>Grades: 9,10</b>	<b>5 Credits</b>
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This course is designed for students who need to strengthen their reading comprehension and grammar skills learned in Latin I. Culture, history, and mythology will be infused into lessons. This modified curriculum is designed to develop student performance through a variety of skill building activities.

<b>H55014</b>	<b>World Language: Online (Option II)</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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Via Option II\*, students will learn a second language not currently offered at SBHS. These classes will be delivered online in the digital learning lab during the school day with the additional benefit of an onsite facilitator. As with all Option II coursework, there will be an associated course fee for the online course. Fees vary, depending on the provider. This unique online opportunity to study a second language beyond the current world language offerings will be open to 11th and 12th graders.

Students may choose from the following languages:

- Option II Online Arabic
- Option II Online Chinese (Mandarin)
- Option II Online German
- Option II Online Italian
- Option II Online Japanese

\*To receive credit, all Option II requirements must be met. Detailed information can be found on the District website in the "SBHS Pathways to Graduation Guidebook for Parents and Students" which includes the application and timeline.

<b>H15001</b>	<b>Latin I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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Latin I focuses on elementary principles of grammar, reading, and composition. Some conversational Latin may be practiced. English cognates and word derivations are also stressed. The students will also be introduced to the history, culture and mythology of Rome. Students must participate in class activities and complete daily written homework assignments using the target language.

<b>H15002</b>	<b>Latin II</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Latin I

Latin II continues the study of the basic principles of grammar, reading, and composition learned in Latin I. Some conversational Latin may be practiced. Cognates and word derivations continue to be stressed. Culture, history, and mythology are discussed in greater depth.

<b>H15003</b>	<b>Latin III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Latin II.

In Latin III students will begin to study the advanced principles of Latin grammar, reading, and composition while building upon concepts learned in Latin I and Latin II. Students will analyze both the complexity and diversity of sentence structure in order to better manipulate the language. Some conversational Latin may be practiced. This course also continues the study of history, culture and mythology of Rome.

<b>H15006</b>	<b>Honors Latin III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of Latin II with a minimum final grade of 90%. Recommendation of Latin II teacher is required.

Students in the Honors Latin III will study the advanced principles of Latin grammar, reading and composition. Students in this course are developing the ability to read, understand, and analyze both adapted and unadapted Latin texts with growing accuracy. Students will analyze both the complexity and diversity of sentence structures in order to better manipulate the language. Some conversation Latin may be practiced. This course also continues the study of history, culture and mythology of Rome. Students who are considering Latin IV Honors, Latin V Honors or Advanced Placement Latin should enroll in this course.

<b>H15005</b>	<b>Honors Latin IV</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of Latin III Honors with a minimum final grade of 83%; or successful completion of Latin III with a minimum final grade of 93% AND teacher recommendation.

In Latin IV Honors students will further expand their study of advanced Latin principles. Students will read Latin using rules concerning how to read Latin fluently, and compose summaries of readings or original stories in Latin. Students will begin to hone and refine their grammatical knowledge by using Latin to express their own ideas both orally and in writing. Additional more authentic Latin may also be used for the student to practice their reading skills. All students who are successful in this course will be eligible for Honors Latin V or AP Latin V. Students enrolling in Honors Latin IV will be required to complete a summer assignment reviewing and practicing advanced principles of Latin grammar learned Latin III or Honors Latin III.

<b>H15009</b>	<b>Honors Latin V</b>	<b>Grades: 12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of Honors Latin IV with a minimum final grade of 80%; or successful completion of Latin IV with a minimum final grade of 90% AND teacher recommendation.

Students will be required to complete a summer composition assignment, which will incorporate all grammar and vocabulary learned in the previous four (4) years of Latin.

Latin is alive in Honors Latin V where the students will finish learning and practicing the advanced grammar of Latin. Afterwards, students will refine their Latin reading skills by reading authentic Latin from a variety of Roman authors through the Middle Ages and Renaissance to even the Latin composed within the 21st Century. Students will also continue to refine their grammatical understanding through more advanced compositional projects, which will culminate in the students producing their own short story, play or series of poems for publication via Lulu.com and tarheelreader.com, sponsored by the University of North Carolina. Lastly, students will also engage in applying their vocabulary and grammatical knowledge in expressing themselves in Latin through conversational Latin.

<b>H15007</b>	<b>Advanced Placement Latin</b>	<b>Grades: 12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Successful completion of Latin IV Honors with a minimum final grade of 87% AND teacher recommendation; or successful completion of Latin IV with a minimum final grade of 95% AND teacher recommendation.

Students will be required to complete a summer assignment.

This course requires a working knowledge of all Latin grammar because this course follows the AP Latin curriculum and provides students with an intensive literary, historical and cultural study of Late Republican and Early Imperial Rome via readings from Julius Caesar's De Bello Gallico and Vergil's Aeneid. Students will also complete the AP Latin examination in May. To that end, students will be expected to prepare and translate passages with an accuracy that reflects precise understanding of the Latin in all its details, as well as develop detailed analyses of

literary passages in the context of outside historical, cultural, linguistic, and critical/theoretical information.

<b>H15012</b>	<b>French I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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Level I is a course in which elementary principles of listening, speaking, reading and writing are taught by the constant use of the target language in the classroom. Good pronunciation and building a functional vocabulary are stressed, working toward the goal of proficiency in the language. Culture and the use of technology are integrated into the program. Students must participate in class activities using the target language.

<b>H15022</b>	<b>French II</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of French I.**

Level II further develops the basic language skills with emphasis on communication in the target language, thus enabling students to apply what they have learned. The functional use of the target language is stressed. Additionally the study of regional language and differences and the use of technology are integrated into the program. Instruction is primarily in the target language and students must participate in classroom activities using the target language.

<b>H15032</b>	<b>French III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of French II.**

In Level III students are given the opportunity to further develop the language skills learned in Levels I and II. Students continue to make functional use of the target language through the use of authentic video and audio materials. In addition, students discuss and write about open-ended topics in the target language. Instruction is primarily in the target language. Students should expect that the teachers and classmates would use the target language almost exclusively in class. After completing this course, the next course in this sequence will be French IV.

<b>H15031</b>	<b>Honors French III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: Successful completion of French II with a 90% average. Recommendation of French II teacher required.**

French III Honors is a course designed for students who want to pursue French on the advanced level. Students selecting this course have the intention of selecting French V AP in their senior year. This is an accelerated course, which will include advanced speaking and writing projects that will prepare students for the AP Language exam. Students will read French literature as well as authentic texts such as newspapers and magazines. Authentic audio and video materials will also be part of the program.

<b>H15041</b>	<b>French IV</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite: Successful completion of French III or successful completion of Honors French III.**

Students in Level IV should be comfortable communicating exclusively in the target language. The students discuss reading selections and write about open ended topics as well as reports. Proficiency in the language will be emphasized. Instruction is primarily in the target language and students are required to use the target language almost exclusively in class. Students are also required to complete cultural projects such as on ancient civilizations or Francophone countries. Film will be analyzed to enhance the instruction and classroom

conversation. Upon completion of this course students should enroll in Honors French V. It is not recommended that the students enroll in the AP course.

<b>H15052</b>	<b>Honors French V</b>	<b>Grades: 12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of Honors French IV with a minimum final grade of 88% or French IV with a grade of 93% and teacher recommendation.

**Students will be required to complete a summer assignment.**

Level V is an advanced language class in which communication is totally in the target language. Students develop a greater awareness of the world language and people as well as how the subject may relate to their own lives through careers, cultural activities and travel. Students read popular novels and plays from various periods and study French literature. Film will be analyzed as a way to enhance instruction of popular literature or historical periods and also serve as discussion prompts in the target language.

<b>H15042</b>	<b>Honors French IV</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of French III Honors with a minimum final grade of 88%. French III with a 93% or better and teacher recommendation.

**French IV Honors students will be required to complete a summer assignment.**

Students in Level IVH should feel comfortable communicating exclusively in the target language in the classroom. The students discuss reading selections and write reports. Greater emphasis is placed upon proficiency in the target language. In addition students are required to write longer essays using advanced language. Films also serve as discussion prompts in the target language. French IVH students may view the film Au revoir les enfants. The next course in this sequence is French V Honors or AP French.

<b>H15056</b>	<b>Advanced Placement French V</b>	<b>Grades: 12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Successful completion of French IVH with a minimum final grade of 88%. Recommendation of French IV teacher required.

**Students will be required to complete a summer assignment.**

Level V AP is the Advanced Placement Course geared towards enabling the students to reach a greater proficiency in the French language. The course is conducted entirely in French and students must use the language exclusively in class. Listening, reading, speaking and writing are continually strengthened as topics relevant to student's interests are studied. Many contemporary themes taken from short stories and poetry in French serve as a stimulus for extensive exploration. Plays and a novelette in the target language are read and discussed. Students explore the material presented by reading several pages on a daily basis and by writing about what has been read and discussed in class on a weekly basis. Films also serve as discussion prompts in the target language. Possible films in French Nos enfans nous accusernt and Entre les murs. If there is only sufficient enrollment for one Level V class, the Advanced Placement class will be offered and students wanting honors credit will take the same course but will not be required to take the Advanced Placement exam.

<b>H15013</b>	<b>Spanish I</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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Level I is a course in which elementary principles of listening, speaking, reading and writing are taught by the constant use of the target language in the classroom. Good pronunciation and building a functional vocabulary are stressed, working toward the goal of proficiency in the language. Culture and the use of

technology are integrated into the program. Students must participate in class activities using the target language.

<b>H15020</b>	<b>Spanish IIA</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Prerequisite: Recommendation of Spanish teacher and World Language Supervisor, or successful completion of Spanish 1A

This course is designed for students who need to strengthen their communication skills in Spanish through adequate-paced lessons to fit the various learning styles and learning modalities. This modified curriculum is designed to continue to develop student performance through a variety of skill-building activities that lead to context-based assessments in the target language. This course fulfills one year of the two-year graduation requirement.

<b>H15023</b>	<b>Spanish II</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Spanish I.

Level II further develops the basic language skills with emphasis on communication in the target language, thus enabling students to apply what they have learned. The functional use of the target language is stressed. Additionally the study of regional language and differences and the use of technology are integrated into the program. Instruction is primarily in the target language and students must participate in classroom activities using the target language.

<b>H15030</b>	<b>Spanish IIIA</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Prerequisite: Successful completion of Spanish IIA and recommendation of the Spanish IIA teacher.

This course fulfills one year of the two-year graduation requirement following the completion of Spanish IIA. This course. This modified curriculum, a continuation of Spanish IIA, is designed to further develop student performance through a variety of skill-building activities that lead to context-based assessments in the target language.

<b>H15033</b>	<b>Spanish III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Spanish II or 70% or greater in Spanish IIIA.

In Level III students are given the opportunity to further develop the language skills learned in Levels II and I. Students continue to make functional use of the target language through the use of authentic video and audio materials. In addition, students discuss and write about open-ended topics in the target language. Instruction is primarily in the target language. Students should expect that the teachers and classmates would use the target language almost exclusively in class. After completing this course, the next course in this sequence will be Spanish IV.

<b>H15034</b>	<b>Honors Spanish III</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite:** Successful completion of Spanish II with a 90% average. Recommendation of Spanish II teacher required.

Spanish III Honors is a course designed for students who want to pursue Spanish on the advanced level. Students selecting this course have the intention of selecting Spanish V AP in their senior year. This is an accelerated course, which

will include advanced speaking and writing projects that will prepare students for the AP Language exam. Students will read Spanish literature as well as authentic texts such as newspapers and magazines. Authentic audio and video materials will also be part of the program including movies such as "Valentin" and "Viva Cuba."

<b>H15035</b>	<b>Spanish IV</b>	<b>Grades: 11,12</b>	<b>5 Credits</b>
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**Prerequisite:** Successful completion of Spanish III with a final grade of at least a 73% or successful completion of Honors Spanish III with a passing grade.

Students in Level IV should be comfortable communicating exclusively in the target language. The students discuss reading selections and write about open-ended topics as well as reports. Proficiency in the language will be emphasized. Instruction is primarily in the target language and students are required to use the target language almost exclusively in class. Film will be analyzed to enhance the instruction and classroom conversation. Students will view scenes of the film "No" that addresses the political history of Chile. Upon completion of this course students will enroll in Spanish VH. It is not recommended that students enroll in the AP course.

<b>H15043</b>	<b>Honors Spanish IV</b>	<b>Grades: 11,12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of Spanish III Honors with a minimum final grade of 88% or better. Spanish III with a grade of 93% or better and teacher recommendation required.

Students in Level IVH should feel comfortable communicating exclusively in the target language in the classroom. The students discuss reading selections and write reports. Greater emphasis is placed upon proficiency in the target language. In addition students are required to write longer essays using advanced language. Films also serve as discussion prompts in the target language. In Spanish IVH the films will address the issue of immigration and view the film "Bajo la misma luna." The next course in this sequence is AP Spanish V or Spanish V Honors.

<b>H15053</b>	<b>Honors Spanish V</b>	<b>Grades: 12</b>	<b>5 Credits</b> Honors Weighting
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**Prerequisite:** Successful completion of Spanish IV with a final grade of 90% and teacher recommendation. **NOTE: Honors Spanish IV students are recommended to continue the study of the language with AP Spanish (unless otherwise recommended by the teacher.)**

**Students will be required to complete a summer assignment.**

Level V is an advanced language class in which communication is totally in the target language. Students develop a greater awareness of the world language and people as well as how the subject may relate to their own lives through careers, cultural activities and travel. Popular novels and plays from various periods of Hispanic literature are studied. Film will be analyzed as a way to enhance instruction of popular literature or historical periods. The films also serve as discussion prompts in the target language. Possible films that may be shown in Honors Spanish V are: La historia oficial (R), selected scenes from Como agua para chocolate (R), Maria Candelaria (PG), Machuca (NR), El Norte (R) La casa de Bernarda Alba (PG) and El mar adentro (PG-13)

<b>H15054</b>	<b>Advanced Placement Spanish V</b>	<b>Grades: 12</b>	<b>5 Credits</b> A.P. Weighting
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**Prerequisite:** Successful completion of Spanish IV Honors with a minimum final grade of 87% OR 95% or greater in Spanish IV with teacher Recommendation.

**Students will be required to complete a summer assignment.**

Level V AP is the Advanced Placement Course geared towards enabling the

students to reach a greater proficiency in the Spanish language. The course is conducted entirely in Spanish and students must use the language exclusively in class. Listening, reading, speaking and writing are continually strengthened as topics relevant to student's interests are studied. Many contemporary themes taken from short stories and poetry in Spanish/French serve as a stimulus for extensive exploration. Plays and a novelette in the target language are read and discussed. Students explore the material presented by reading several pages on a daily basis and by writing about what has been read and discussed in class on a weekly basis. Films also serve as discussion prompts in the target language. Possible films that may be shown in AP Spanish are: selected scenes from "Como agua para chocolate" (R) "Motorcycle diaries" (R) "Mar Adentro" (PG13) and "La historia oficial" (R).

<b>H15069</b>	<b>Honors Spanish for Natives II</b>	<b>Grades: 10,11,12</b>	<b>5 Credits</b> <small>Honors Weighting</small>
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**Prerequisite: Successful completion of Spanish for Natives I with a grade of 87% or better and recommendation of the teacher.**

**A summer reading project, due on the first day of school is required.**

This course is a continuation of Spanish for Natives I, which will prepare students for the Advanced Placement Exam. Writing projects, genres of literature and current events using a variety of media will be utilized. Students may take the National Spanish Exam. This class will be conducted exclusively in Spanish.

<b>H25010</b>	<b>Spanish 1B</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Current Teacher Recommendation**

These courses are designed to fulfill the 2 year world language graduation requirement for students who need a modified curriculum and small group instruction. Emphasis is on the functional use of Spanish through hands-on activities and the study of culture.

<b>H25011</b>	<b>Spanish 2B</b>	<b>Grades: 9,10,11,12</b>	<b>5 Credits</b>
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**Prerequisite: Completion of Spanish 1B and teacher recommendation.**

These courses are designed to fulfill the 2 year world language graduation requirement for students who need a modified curriculum and small group instruction. Emphasis is on the functional use of Spanish through hands-on activities and the study of culture.