

***Beacon High School***  
***Course Catalog***  
***2023-2024***



## **ARTS**

**Course Title:**     ***AP Art History***

**Term:**               Full Year

**Credit:**             1.00

**Prerequisite:**     Teacher recommendation

**Description:**     AP Art History is an introductory college level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

**Course Title:**     ***AP Studio Art/Drawing***

**Term:**               Full year

**Credit:**             1.00

**Prerequisite:**     Successful completion of Studio Art, Drawing and Painting I and II, teacher recommendation.

**Description:**     Enhancing skills from Studio Art, Drawing and Painting, as well as other Art elective courses to develop a portfolio that reflects individual abilities and post high school goals. Students will examine career options and training opportunities in various Art professions. Homework will be an integral part of the course. A student that demonstrates exceptional quality, production and dedication in their artwork can apply for AP Credit (Advanced Placement in Studio Art). However, the AP is not a requirement for course credit. If the student wishes to receive A.P. credit the course must be taken both Junior and Senior year. This course can only be taken with the recommendation of an art teacher.

**Course Title:**     ***Architectural Design***

**Term:**               One Semester

**Credit:**             0.5

**Prerequisite:**     Successful completion of Studio Art or one full art credit

**Description:**     Architectural Design is a half year introductory art course. Students will learn the fundamental aspects needed to learn the concepts of Architectural Design. Traditional hands on drawing methods and digital software will be utilized to make student projects. Students will analyze both still art works, which imply perspective, creating 3-D models and using computer programs to enhance their understanding of what Architectural Design is. There will be lectures on the great works of architecture and possible visits to different architectural designs within our community. Sketchbooks will be used to aid in analyzing artworks, keeping notes, and experimenting with media and new techniques.

**Course Title:**     ***Cartooning and Animation***

**Term:**               One semester

**Credit:**             0.5

**Prerequisite:**     Successful completion of Studio Art or one full art credit

**Description:**     This is a half year introductory art course. This class can be used in conjunction with other half year classes like Ceramics I, Digital Art I and the semester long Studio Art class to get a full art credit. Students will learn the fundamental aspects needed to create a successful animation and cartoon. Character design, storyboarding and (con't)

storytelling will be taught. Traditional hands on drawing methods and digital software will be utilized to make student projects. Students will analyze both still artworks, which implies movement, and animated segments from fine art and popular culture to enhance their projects. Political and satirical cartoons will also be employed to enhance students' understanding of cartooning. Sketchbooks will be used to aid in analyzing artworks, keeping notes, and experimenting with media and new techniques.

**Course Title:**      ***CAD I (Computer Aided Drafting)***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      None

**Description:**      This course is an introduction to computer-aided drafting (CAD) using the AutoCAD LT software program. The topics covered in this course include: the AutoCAD LT graphics and text windows, user interface, drawing, setup parameters, rectangular and polar coordinate entry, display control functions, 2D geometric objects, selection sets, object snap models, X and Y coordinate filters, inquiry commands, text creation and modification, and 2D editing commands.

**Course Title:**      ***Ceramics I***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      None

**Description:**      Hand built pottery, techniques of coil; slab, pinch as well as throwing on the potters' wheel will be introduced. The firing process and glazing process of clay are also explored. Form, function and decoration are the emphasis of this course.

**Course Title:**      ***Ceramics II***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      Successful completion of Ceramics I

**Description:**      Building methods developed in Ceramics I will be further explored and refined. More complex concepts in ceramics will be explored such as sculpting and production pieces.

**Course Title:**      ***DIA and Contemporary Art Concepts***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      Successful completion of Grade 9

**Description:**      This course is designed to introduce students to the professional setting of a contemporary art museum. The class will include mandatory two field trips to the Dia museum. In addition to guidance from the classroom teacher, students will be working with a teaching artist provided by Dia. Contemporary art concepts will be developed, discussed and used throughout the class. Students will need to be open minded to new and unconventional approaches to the art making process. These ideas will be utilized to help students collaboratively create their own contemporary art projects. The class will culminate in a final exhibition of this artwork at Dia.

**Course Title:** ***DIA II and Contemporary Art Concepts II***  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisite:** DIA and Contemporary Art Concepts  
**Description:** This course is designed to enhance the students' understanding of the professional setting of a contemporary art museum. The students will start to develop their own contemporary art concepts through class discussion and working with many different professionals in the field of contemporary art. The class will include two mandatory field trips to the DIA museum. In addition to guidance from the classroom teacher, students will be working with teaching artists provided by DIA. Contemporary art concepts will be developed, discussed, and used throughout the class. Students will need to be open minded to new and unconventional approaches to the art making process. These ideas will be utilized to help students collaboratively create their own contemporary art projects. The class will culminate in a final exhibition of this artwork to DIA.

**Course Title:** ***Digital Art I***  
**Term:** One Semester  
**Credit:** 0.5  
**Prerequisite:** None  
**Description:** This course will introduce the computer as an artist's tool. The elements and principles of design will be used to create two dimensional artworks. Programs such as Photoshop will be explored.

**Course Title:** ***Digital Art II***  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Digital Art I  
**Description:** Enhancing skills from Computer Graphics I, digital cameras, and advanced capabilities in the Photoshop program will be the emphasis of this course.

**Course Title:** ***Drawing & Painting I***  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Studio Art or one full art credit  
**Description:** Concepts of gesture, contour line, shading and perspective will be explored using still life, figure drawing and imaginative subjects. Mediums used will include pencil, charcoal, markers, pastel, color pencil, oil pastel, and ink. Exploration of color, hue, and value using watercolor and acrylic will be included in this course.

**Course Title:** ***Drawing & Painting II***  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Drawing and Painting I  
**Description:** Advancement of techniques in creating the illusion of form, light, texture and space in drawings and painting. Students will work on canvas and a variety of art papers to create skillful solutions to design problems.

**Course Title:** *Interior Design*  
**Term:** One Semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Studio Art or one full art credit  
**Description:** Students will learn the fundamental aspects needed to learn the concepts of Interior Design. Beginning levels of color theory and pattern developing will be discussed and applied to the students projects. Students will learn about perspective. Students will both draw out the rooms and 3D model the rooms. Computers will also be used to create interior spaces. Sketchbooks will be used to aid in analyzing artworks, keeping notes, and experimenting with media and new techniques.

**Course Title:** *Photography I*  
**Term:** One Semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Studio Art or one full credit of art  
**Description:** This course will introduce the camera as an artist's tool. Students will work with both current Digital SLR cameras and experiment with traditional darkroom printing to understand the full range of photographic possibilities.

**Course Title:** *Photography II*  
**Term:** One Semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Photography I  
**Description:** This course is designed to develop technical and artistic competence with a digital camera and editing software. Students will learn to create a series of photographs that work together as a cohesive body of work. Completed photographs will be presented in a variety of formats such as a student designed photo book.

**Course Title:** *Studio Art*  
**Term:** Full year course  
**Credit:** 1.0  
**Prerequisite:** None  
**Description:** This is a full year foundation course with an emphasis on studio problem based learning activities that explore the electives of the Art Dept. Students will work on a variety of project based activities utilizing a variety of mediums, such as pencils, charcoal, pastels, watercolor, acrylic paints, pen and three-dimensional materials. Students will be required to demonstrate creativity, innovation and problem solving skills using critical thinking and higher order thinking. Students will develop an understanding of the history of art and art related careers. At the end of the course students will be able to identify the Elements of Art and Principles of Design.

**Course Title:** *Textiles I/Fashion*  
**Term:** One Semester  
**Credit:** 0.5  
**Prerequisite:** Successful completion of Studio Art or one full art credit  
**Description:** This course is based on fashion. The students will be involved in learning how to draw the fashion figure. The beginning levels of sewing will be introduced. Possible fashion careers will be discussed.

**Course Title:**        ***Textiles II/Fashion***  
**Term:**                One Semester  
**Credit:**                0.5  
**Prerequisite:**        Successful completion of Textiles I  
**Description:**        This course will build on the concepts and principles explored in Textiles I. Pattern making will be explored. Advanced textiles techniques such as fabric dying will also be explored. Students will develop an understanding of the different careers available to them in fashion.

## **ENGLISH**

**Course Title:**     ***AP English Language and Composition***

**Term:**             Full Year

**Credit:**           1.00

**Prerequisite:**    Successful completion of English 10 and completion of summer reading and writing assignment by due date. For Juniors only. Students should be able to read and comprehend college level texts and be strong writers that use the conventions of Standard Written English in their writing.

**Description:**     AP English Language and Composition aligns to an introductory college level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments using appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non fictional texts, from many disciplines and historical periods. The exam consists of 55 multiple choice questions and three essays that demonstrate students' skill in rhetorical analysis, argumentation, and synthesis of information from multiple sources to support evidence based argument. All students will be required to take the AP English Language and Composition Exam in May. The cost of the AP exam is paid by the student. The cost is determined by the college board– currently approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

**Course Title:**     ***AP English Literature and Composition***

**Term:**             Full Year

**Credit:**           1.00

**Prerequisite:**    Successful completion of English 11 and completion of summer reading and writing assignment by due date. For Seniors only.

**Description:**     Designed to address the needs of potential top college level students, AP English Literature examines and analyzes a wide variety of novels, short stories, poems, essays, and other genres of literature encompassing the scope and breadth of the literary canon. Major works include novels by John Steinbeck, Ernest Hemingway, Gabriel Garcia Marquez and prominent others. The study of drama includes plays dating from Sophocles and continuing to the present day, with a particular emphasis on the works of William Shakespeare. Works by Romantic and Victorian poets are also stressed. Other vital literary elements, including motifs, archetypes, and symbols will be studied, and students will expand their knowledge and interpretation of the many schools of literary criticism. In May students will take the AP exam. The cost of the AP exam is paid by the student. The cost is determined by the college board– currently approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

**Course Title:**     ***Creative Writing***

**Term:**             One semester

**Credit:**           0.5

**Prerequisite:**    English 9

**Description:**     Find your voice! Creative Writing will give you a chance to express yourself in a way you want to be heard! Learn how to write in a variety of genres by exploring the techniques of the greats and valuing the originality of your peers. See your ideas come to life through drafts, and use constructive criticism to evaluate, edit, (*con't*)

revise, and polish your poems, shorts stories and drama. Everyone has a story to tell--don't let yours go unwritten!

**Course Title:** ***Creative Writing II***

**Term:** One Semester

**Credit:** 0.50 per semester

**Prerequisite:** Creative Writing

**Description:** Creative Writing II will give you a chance to continue to express yourself and to comment on your view of the world. From authentic experience through the filters of your imagination and the power of diction, you will hone your craft and find your unique voice as you work to produce your best and most creative verse, stories and commentary. Feel the poison and the beauty and the power of the pen! ***Pending course approval.***

**Course Title:** ***Dutchess Community College English 101/102***

**Term:** Two (2) Semesters – 12th grade core English or college placement

**Credit:** 1.00 High School Credit and 6 (6) SUNY Credits contingent upon achieving a C or higher.

**Prerequisite:** High School GPA (freshman through junior year) of 85 or better, June English Regents score of 80 or better, teacher recommendation, and completion of summer reading and writing assignment by due date.

**Description:** English 101 is a course designed to develop students' abilities to write narration, description, definition, compare/contrast, analysis, division and classification, process, cause and effect, argument and persuasion by using sound strategies that complement the writing process (prewriting, planning, draft, revision, second draft, final essay) and master the conventions of standard English. English 101 covers MLA conventions and a research paper is required. Critical thinking and reading skills are also stressed. These skills will help to prepare students for subsequent college courses and eventual careers. English 102: Prerequisite: English 101 with a grade of C or better. English 102 is a continuation of English 101, with further study of the resources of the language through a critical analysis of imaginative forms of writing. Emphasis will be placed upon well-organized written composition, factually-supported conclusions, and awareness of language variety. Effectiveness of expression and validity of judgment in the student's writing are stressed. Genre reading will include fiction, poetry, and drama. Students will apply writing styles instructed in English 101: compare/contrast, persuasion/argument, definition, description, cause and effect and analysis.

**Course Title:** ***Drama***

**Term:** One Semester

**Credit:** 0.5

**Prerequisite:** English 8

**Description:** This course will foster public speaking, listening and communication skills. The curriculum is performance based, which means students will read and watch performances of works and then perform scenes and related variations of themes in class. This class is not only designed for entertainment and recreation; its purpose is to help students read critically and respond analytically to readings in discussion and writing; expand vocabulary through reading and the use of a dictionary; consider audience (*con't*)



when writing essays; view filmed and live performances with a critical eye; and engage in and analyze oral discourse effectively. ***Pending course approval.***

**Course Title:** ***English 9***

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** English 8

**Description:** This course is an introduction to literature. It is designed to help students become better readers, writers, listeners and speakers. The goal of this class is to prepare students for the more demanding requirements of English 10 through 12. Students will explore many genres of literature, including short story, novel, nonfiction, drama, poetry, memoir and Shakespeare. Emphasis is placed on independent reading and writing, which includes grammar and vocabulary development. Writing will focus on essay structures and citing research. Skills will focus on close reading, annotating text, text based questioning, and evidence based answers. Instruction will align to NYS standards.

**Course Title:** ***English 9H***

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** English 8 Honors (85 or above average) or English 8 (90 or above average), Teacher Recommendation

**Description:** Students will be fluent in the vocabulary of literature. They will understand, analyze, synthesize, and evaluate various forms and genres of text. The goals, objectives, and assessments for students in reading, writing, listening, and speaking will encompass critical thinking skills and the college readiness aims of the NYS standards for English Language Arts. Units of study will include short stories, poetry, mythology, research, novels, and Shakespeare. The honors curriculum is thematically focused and honors students can expect to cover material in greater depth and scope at a faster pace, requiring deeper reflection. An increased focus on critical analysis, exploration of content, critical thinking, research, application, and synthesis will be emphasized. Instruction will align to Common Core and NYS standards.

**Course Title:** ***English 10***

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** English 9

**Description:** This course continues to expand students' skills in the appreciation and analysis of literature through reading, writing, listening and speaking. Students will read short stories, novels, essays, poetry, drama and nonfiction articles. Students will read and annotate text to support comprehension and analysis. Students will present information, findings and supporting evidence clearly, concisely, and logically. Students will be able to write formulaic essays for different purposes and audiences. Students will be able to cite research in MLA format through research assignments. Students will incorporate domain specific vocabulary in written and verbal responses. Instruction will align to NYS standards.

**Course Title:**        ***English 10H***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**     English 9 Honors (85 or above average) or English 9 (90 or above average), Teacher Recommendation

**Description:**     English 10 Honors is designed to continue the intense rigor and high degree of critical thinking skills developed in English 9 Honors and associated with a course of this level. The curriculum provides an awareness of life experiences through literature in the form of the short story, drama, essay, poetry, nonfiction articles and the novel. Students will be engaged and exposed to an increased number of texts covering a wide range of literary genres through the use of a variety of modalities. Furthermore, students will be expected to explore the assigned literature with a deeper degree of analysis and critical thinking. Writing assignments for English 10 Honors include on-demand writing, writing to learn, response to text, research assignments, and creative writing. These assignments will act to support the discussion and analysis of the covered literature and they will be used to display levels of student understanding and writing fluency. Students will also annotate text and develop student questions for discussion and analysis. Instruction will be aligned to NYS Standards.

**Course Title:**        ***English 11***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**     English 10

**Description:**     This course provides a survey of all genres of American writing from the colonial period to the present. Special emphasis is given to multiculturalism in twentieth century literature. Vocabulary and study skills will be emphasized to enable students to approach college level work and prepare for the SAT and NYS Regents. Students will annotate text and cite textual evidence to increase comprehension and analysis while close reading. Writing will focus on essays for argument, the writer's craft and central ideas, as well as research assignments. Instruction will be aligned to NYS Standards.

**Course Title:**        ***English 11 Honors***

**Term:**                Full year course

**Credit:**             1.00

**Prerequisite:**     English 10 (85 or above average), Teacher Recommendation

**Description:**     English 11 Honors is designed for college-bound students who desire to be better prepared for advanced English taken in their senior year. The course's major components are composition and literary study. The literary components include the study of American literature plus a Shakespeare classic. Composition assignments focus on expository themes and research writing with additional narrative and descriptive pieces spread throughout. Speech activities are generally outgrowths of literary studies; vocabulary study is an integral part of the program. This course provides an in depth study of all genres of American literature from the colonial period to the present. Some emphasis is given to multiculturalism in twentieth century literature. Instruction will be aligned to Co NYS Standards.

***Pending course approval.***

**Course Title:**        ***English 12***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      English 11

**Description:**      The English 12 curriculum will include units of study in world mythology, classical literature, Shakespeare, modern novel, drama, nonfiction, informative texts and essays, poetry, multicultural texts and units on informative writing, persuasive and argumentative writing, narrative writing, and a project demonstrating proficiency with modern research. Students will work to meet readiness expectations for college and the world of career. Text types shall include arguments that use valid reasoning and sufficient evidence and informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization and analysis of content. Students will write narratives that develop real or imagined events using effective techniques, well chosen details, and well structured sequences. Students will produce clear and coherent writing that is appropriate to the task, purpose and audience, develop and strengthen writing by planning, revising, editing, rewriting or trying a new approach, and use technology, including the Internet, to produce, publish, and update products in response to ongoing feedback. All twelfth grade students will produce a research project in response to a designated prompt.

**Course Title:**        ***English 12 Honors***

**Term:**                Full year course

**Credit:**             1 credit

**Prerequisite:**      English 11 (85 or above average), Teacher Recommendation

**Description:** English 12 Honors will provide a college preparatory course for students who are not served by AP Literature or DCC English, with a focus on sound strategies that complement the writing process, and critical reading and thinking skills. English 12 Honors is a course designed to develop students' abilities to write narration, description, definition, compare/contrast, analysis, division and classification, process, cause and effect, argument and persuasion by using sound strategies that complement the writing process (prewriting, planning, draft, revision, second draft, final essay) and master the conventions of standard English. MLA conventions are taught and a research paper required. Emphasis is placed upon well-organized written composition, factually-supported conclusions, and awareness of language variety. Effectiveness of expression and validity of judgment in the student's writing are stressed. Critical thinking and reading skills are also emphasized with further study of the resources of the language through a critical analysis of imaginative forms of writing. Genre reading will include fiction, poetry, and drama. These skills will help to prepare students for subsequent college courses and eventual careers. ***Pending course approval.***

**Course Title:** *Film as Literature*

**Term:** One semester

**Credit:** 0.5

**Prerequisite:** English 9

**Description:** Are you a film buff? Do you enjoy picking apart a movie with your friends or family? In this course we will engage with quintessential films that have made a lasting impression on American society from the 1930s to the present in order to analyze what cinema can tell us about cultural and social values at those moments in time. Students will be required to be active participants in film viewings and discussion. The course aims to sharpen students' analytic skills, to give them a sense of the history and cultural significance of movies, and to improve their writing through their own reviews of films and analyses of the dramatic, cinematic and narrative aspects of films.

**Course Title:** *Film As Literature 2 – The Sequel!*

**Term:** One semester

**Credit:** 0.5 credit

**Prerequisite:** Film As Literature

**Description:** It is literally impossible to cover all of the important and classic films in a 20 week semester. Film As Literature 2 allows further exploration of the past 100 years of cinematic achievement. Students today have grown up with screens in their hands and this course will help them to recognize and identify how visual and auditory techniques are employed to manipulate an audience. Students will be required to be active participants in film viewings and discussion. ***Pending course approval.***

**Course Title:** *Food Media*

**Term:** One semester

**Credit:** 0.5

**Prerequisite:** English 9

**Description:** Interested in food? In Food Media, we will examine the relationship between food and all aspects of the human experience, including culture and biology, individuals and society, global pathways and local contexts. One week we might write restaurant reviews, the next research how tacos differ from region to region in Mexico. We will explore the science of taste and we will examine food supply chains, accessibility issues, the power of food to evoke memory, and food's role in literature, film, and television. We will reference and explore *Bon Appétit's* popular video web series and consult with local Hudson Valley farmers on what grows best around Beacon. The course will be a fun and interactive experience that will get you to think hard about what you eat and where it comes from.

**Course Title:** *Greek Mythology*

**Term:** One semester

**Credit:** 0.5 credit

**Prerequisite:** English 9

**Description:** Greek Mythology is embedded in so many readings that students encounter throughout their high school career. This course will foster public speaking, listening and communication skills. ***Pending course approval.***

**Course Title:**        ***Horror in Film and Fiction***

**Term:**                    One semester

**Credit:**                0.5

**Prerequisite:**        English 9

**Description:**        “The oldest and strongest emotion of mankind is fear, and the oldest and strongest kind of fear is fear of the unknown.” - HP Lovecraft

What scares you? Both horror films and fiction explore our deepest personal anxieties and our most profound social fears. As a result, the genre of horror tells us more about ourselves and our society than perhaps any other genre. This course is designed to provide an historical introduction to horror and how both literature and film are a reflection of societal fears throughout time. Lectures and activities will cover classic horror, from its beginnings with *Dracula* (1931) to recent films such as *A Quiet Place* and *Bird Box* (2019). We will discuss works written by Edgar Allen Poe, HP Lovecraft, Stephen King, and other horror enthusiasts. Step into a class where history, psychology and fear, all come to haunt you. This class is for juniors and seniors.

**Course Title:**        ***Introduction to Hip-Hop***

**Term:**                    One semester

**Credit:**                0.5 credit

**Prerequisite:**        Completion of grade English 10

**Description:**        This course will explore various aesthetic and political developments in Hip-Hop culture and literature since the late 1970s. Beyond focusing on the cultural contexts in which Hip-Hop emerged and flourished, the course seeks to better understand Hip-Hop as an extension and expression of Black intellectual traditions, political philosophies, and aesthetic forms. In this course, students will explore Hip-Hop's cultural, historical, and political developments by decade, from the 70s up to present day. The class will include analysis of Hip-Hop's impact and influence on contemporary aesthetic culture, race relations, gender politics and struggles for social justice. Students in this course will discover and evaluate Hip-Hop music's content and cultural significance through assigned reading, listening and viewing, concert reviews and short writing assignments and presentations. This is an introductory course focused on having fun while gaining an appreciation of the music. ***Pending course approval.***

**Course Title:**        ***Journalism***

**Term:**                    One semester

**Credit:**                0.5

**Prerequisite:**        English 9

**Description:**        Are you interested in the news? Do you want to spill the tea? This course is for you! This survey course will provide an overview of news journalism, its history, future and role in a democratic society. It will cover the basics of journalism; its values, principles, law, ethics, best practices, format writing and reporting.

**Course Title:**        ***Magical Realism***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      English 9

**Description:**      This course will introduce students to an exciting literary genre and take them on an exploration of the fantastical (magical) in every day, realistic story settings. Students will have an opportunity to consider the nature of reality and examine their own beliefs and values. This course will explore magical realism through various texts that not only expose students to a new genre, but will also enrich student thinking on topics related to our current moment in history: specifically, the rise of the feminine voice and the diverse nature of the American experience, particularly through the Native American perspective.

**Course Title:**        ***Magical Realism in Literature 2 – Now With More Magic!***

**Term:**                One semester

**Credit:**             0.5 credit

**Prerequisite:**      Magical Realism

**Description:** Students will consider the shifting nature of reality, they will examine their own beliefs and values, and they will be exposed to the diverse experiences of others through their examination of the literature. The core texts for this course, while steeped in magical realism, also speak to salient topics of our time: the continued rise of the feminine voice in society and the inclusion of diverse cultural experiences and perspectives, specifically those of Native Americans. This course will also provide a unique opportunity for students to explore the literary technique of magical realism on a deeper level than the introductory course, and engage with literature in an analytical setting. ***Pending course approval.***

**Course Title:**        ***Media Literacy***

**Term:**                One Semester

**Credit:**             0.50 per semester

**Prerequisite:**      English 9

**Description:**      Media Literacy teaches students to apply critical thinking to media messages and to use media to create their own messages. Media expands the concept of literacy as today's messages come in many forms. Literacy can no longer refer simply to the ability to read and write, and refers to analysis of advertisements, television, images, social media, etc. Media Literacy helps offer a solution to public health issues, such as body image issues and substance use, worsened by toxic media messages. As students begin to understand how the media operates in society, they will develop a sense of objectivity about media and become more active audiences and independent thinkers in regard to race/ethnicity, gender, class, and education. Media Literacy is the ability to decode media messages, to access the influence of those messages, and to create media thoughtfully, carefully, and with responsibility.

**Course Title:**        ***Multicultural Lit***  
**Term:**                One Semester  
**Credit:**              0.50 per semester  
**Prerequisite:**       English 9  
**Description:**       Are you interested in diverse heritages? Do you enjoy stories from around the world? Students in Multicultural Lit will learn that all societies share cultural traditions, values, and political ideals. A strong America recognizes and respects the cultures of its diverse peoples united within a framework of democratic values that are shared by all. Works featured in this course have culturally-based themes, written by authors from diverse cultures. Some of the indirect benefits of the course will be to affirm every student's voice and experience and create a positive atmosphere for developing an appreciation for the experience of all Americans.

**Course Title:**        ***Performance Shakespeare***  
**Term:**                One Semester  
**Credit:**              0.50 per semester  
**Prerequisite:**       English 9  
**Description:**       Brush up your Shakespeare! Experience the fun and enjoyment that Shakespeare intended for his audiences. Students will delve into the comedies and one tragedy where magic, music, mayhem, song and dance rule. Follow four lovers on a magical trip through *A Midsummer Night's Dream*. Witness the *Taming of the Shrew*—or is it Kate who tames Petruchio? This course is designed to make Shakespeare accessible through reading, performing and viewing the bard's works. Overcome your fear of his language by exploring modern day versions and interpretations of Shakespeare's classics. Leave your stage fright at the door—this class has no fear of Shakespeare!

**Course Title:**        ***Science Fiction & Fantasy***  
**Term:**                One semester  
**Credit:**              0.5 credit  
**Prerequisite:**       English 9  
**Description:**       Is science fiction and fantasy a genre that has always interested you? Did you wish that more science fiction and fantasy works were studied at BHS? Well, it's your lucky day! This course will focus on science fiction and fantasy as genres. We will study the history of the genres and then delve into representative themes and methods of storytelling in texts, films and other media. We will examine a range of media in which science fiction and fantasy stories have been told, from film and television to comic books and video games. In addition, we'll examine the composition of science fiction and fantasy from a writer's standpoint as well. ***Pending course approval.***

**Course Title:**        ***Sports Literature***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      English 9

**Description:**      Examine sports themes as expressed in films, fiction, and poetry, with special emphasis on themes that can be compared with real athletic experiences. These themes include, but are not limited to: heroes in American sport; youth and aging in sport; sport in the country and the city; nationalism, racism, and sexism in sport; the individual versus the community (team) in sport; and humor and poetry. The student will explore recurring themes that are often evident in sports stories and compare and contrast experiences that actually occur in non-fiction with the fictional stories that have been assigned. The student should be able to express in oral and written form specific narratives that define sport experiences.

**Course Title:**        ***Theater Production***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      English 8

**Description:**      If all the world is a stage, someone has to build the set and light it! The behind-the-scenes people who produce the magic of a production sometimes steal the spotlight from the actors who perform it! This course will expose students to the multi-faceted world of theater and focus on those extremely important behind-the-scenes jobs. Students will study and engage in a variety of activities that are necessary for live productions: set design, lighting design and operation, costume design, makeup design, house management, advertising, writing, directing and stage management.



## **ENGLISH AS A NEW LANGUAGE**

Beacon High School has successfully introduced its newly designed ENL program with goals to prepare LEP/ELL students to meet the *revised* Teaching of Language Arts to Limited English Proficient/English Language Learners, as well as the standards in English and content areas to pass the five required Regents exams. Through intensive instruction, students will develop skills in listening, speaking, reading and writing for:

1. Information and understanding
2. Literary response and expression
3. Critical analysis and evaluation
4. Social interaction
5. Cross cultural knowledge and understanding

**Course Title:** ***ENL Skills***

**Term:** Two Semesters

**Credit:** 0.0

**Prerequisite:** Non-English speaking or limited ENL English proficiency as determined by the above evaluation process or support for exiting ENL students.

**Description:** This course meets for one daily period or every other day as time permits as a support period (s) to ENL students.

**Course Title:** ***ENL***

**Term:** Two Semesters

**Credit:** 0.0

**Prerequisite:** As determined by the above evaluation process or support for exiting ENL students

**Description:** Students who require services based on testing will be in an integrated English class.

## **HEALTH**

**Course Title:**     ***Health***

**Term:**             One semester

**Credit:**           0.5

**Prerequisite:**     None

**Description:**     Health is a course required of all high school graduates. The course includes topics of personal, social and mental health along with topics relating to the quality of life in general. Parenting Education, nutrition, disease, drugs, alcohol, tobacco, mental health, consumer health and public health are among the topics included in the course of studies. Class participation, an outside class project and a final examination are requirements for this course to be successfully completed.

## **LANGUAGES OTHER THAN ENGLISH (LOTE)**

**Course Title:** *Italian II*

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** Italian I

**Description:** This course elaborates on those skills introduced in the beginning level. Students are becoming more proficient orally and are encouraged to demonstrate this proficiency through other motivating activities. A basic text and reader for vocabulary expansion and comprehension are used. Students read longer and more elaborate Italian selections. There are oral and written supplementary activities which provide students with an opportunity for free conversation and creative writing.

**Course Title:** *Italian III*

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** Italian II and/or Teacher Recommendation

**Description:** Skills development in comprehension, speaking, reading and writing is stressed. Emphasis is placed on oral communication and expansion of grammar presented in levels I and II. Students read longer and more complicated passages from literary pieces. There is a major oral and written supplementary project aimed at providing the student with an opportunity for free conversational and creative writing. Abundant practice materials for the local assessment are provided during the course of the second semester.

**Course Title:** *Italian Cinema*

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** Italian II

**Description:** The Italian cinema course is designed for high school students who love cinema and for those who want to learn about the history of Italian culture, focusing on contemporary Italian culture. The cinema course's main purpose is to analyze the most interesting films of Italian cinema and examine their topics, especially social problems of the current Italian society (also with reference to important works of literature).

To stimulate the conversation on the selected topics, some scenes from the most important films are chosen, iconic interviews with famous protagonists are read and their performances are assessed. Part of the course is also linked to grammatical work, emphasis is placed on understanding what has been read, seen, and heard, as well as exploring new grammatical structures. The Italian film strongly reflects the linguistic development of everyday language, including Italian vernacular and different regional dialects. The cinema language is dynamic and committed, and it perfectly represents the further developments of colloquial Italian. Cinema is a great way to analyze society and culture. This Italian cinema course aims to provide a description of cinema as a manifestation of the culture of the country. The course will examine some aspects of the cinema with reference to the problems and social features of contemporary Italy, literature, and other visual arts and with a viewing and stylistic analyses of iconic defining scenes. ***Pending course approval.***

**Course Title:** *Spanish I*  
**Term:** Two semesters  
**Credit:** 1.00  
**Prerequisite:** None  
**Description:** Beginning language students are immersed in the language and culture of Spain and Latin America through a variety of activities in the areas of listening, speaking, reading and writing. Songs, skits and multimedia technology will be included. There will be an emphasis on theme related vocabulary such as family, weather, time expressions, traveling, going shopping, etc. This everyday practical vocabulary will be used in dialogues and question-answer sessions throughout the entire year.

**Course Title:** *Spanish II*  
**Term:** Two semesters  
**Credit:** 1.00  
**Prerequisite:** Spanish I or Spanish 8 and a 65% or better on the local assessment  
**Description:** This course elaborates on those skills introduced in the beginning level. Students are becoming more proficient orally and are encouraged to demonstrate this proficiency through other motivating activities. A basic text and reader for vocabulary expansion and comprehension are used. Students read longer and more elaborate Spanish selections. There are oral and written supplementary activities which provide students with an opportunity for free conversation and creative writing.

**Course Title:** *Spanish III*  
**Term:** Two semesters  
**Credit:** 1.00  
**Prerequisite:** Spanish II and/or Teacher Recommendation.  
**Description:** Skills development in comprehension, speaking, reading and writing is stressed. Emphasis is placed on oral communication and expansion of grammar presented in levels I and II. Students read longer and more complicated passages from literary pieces. There is a major oral and written supplementary project aimed at providing the student with an opportunity for free conversational and creative writing. Abundant practice materials for the local assessment are provided during the course of the second semester.

**Course Title:** *Dutchess Community College Spanish 201*  
**Term:** One semesters  
**Credit:** 0.5 (3 DCC Credits)  
**Prerequisite:** Spanish III with a grade of 85 or better and a grade of 80 or better on the Spanish 3 or IV final exam and a Teacher Recommendation.  
**Description:** A thorough review of Spanish grammar plus intensive reading and discussion of several short stories. Several poems are also read and discussed as well as assorted articles of current political, cultural or literary significance.

**Course Title:** ***Dutchess Community College Spanish 202***

**Term:** One semesters

**Credit:** 0.5 (3 DCC Credits)

**Prerequisite:** DCC Spanish 201

**Description:** A continuation of the work begun in Spanish 201: a thorough review of Spanish grammar plus intensive reading and discussion of several short stories. Several poems are also read and discussed as well as assorted articles of current political, cultural and literary significance.

## **MATHEMATICS**

**Course Title:** *Algebra IR*  
**Term:** Two Semesters  
**Credit:** 1.00  
**Prerequisite:** Math 8  
**Description:** This course covers the NYS Next Generation Algebra I curriculum. At the end of this course, all students enrolled will take the NYS Algebra I Regents exam. Topics include: Linear Expressions, Equations, and Inequalities, Functions, Linear Functions, Systems of Linear Equations and Inequalities and Exponential Functions, Operations with Polynomials, Factoring, Quadratic Functions, Roots and Irrational Numbers, Statistics and Transformations. A TI-84 graphing calculator is required for this course.

**Course Title:** *Algebra A*  
**Term:** Two semesters  
**Credit:** 1.00  
**Prerequisite:** Math 8 and Teacher Recommendation  
**Description:** This course covers half of the NYS Next Generation Algebra curriculum. Topics Include: Linear Expressions, Equations, and Inequalities, Functions, Linear Functions, Systems of Linear Equations and Inequalities and Exponential Functions. Upon completion of this course students will move on to Algebra B.

**Course Title:** *Algebra B*  
**Term:** Two Semesters  
**Credit:** 1.00  
**Prerequisite:** Algebra A  
**Description:** This course covers the remainder of the Next Generation Algebra curriculum that was begun in Algebra A. All students enrolled in this course will take the NYS Algebra I Regents exam in June. Topics include: Operations with Polynomials, Factoring, Quadratic Functions, Roots and Irrational Numbers, Statistics and Transformations.

**Course Title:** *Algebra II*  
**Term:** Two Semesters  
**Credit:** 1.00  
**Prerequisite:** Geometry or Geometry R  
**Description:** This course is designed to give students a foundation in Algebra II. Topics include: Algebraic Essentials Review, Functions, Linear Functions and their Algebra, Exponential and Logarithmic Functions, Sequences and Series, Quadratic Functions & their Algebra, Transformations of Functions, Radicals and the Quadratic Formula, Complex Numbers, Polynomial and Rational Functions. This course does NOT lead to the NYS Geometry Regents exam. Students who perform well in this may be able to advance to Common Core Algebra II. A TI-84 graphing calculator is used in this course.

**Course Title:** *Algebra IIR*  
**Term:** Two Semesters  
**Credit:** 1.00  
**Prerequisite:** Geometry R or Algebra II (only with a written Teacher Recommendation)  
**Description:** This course is the 3rd year of the 3-year Common Core NYS sequence of Math courses and leads to the NYS Algebra II Regents exam. Passing the Algebra II Regents exam is required for those seeking an Advanced NYS diploma. This is a rigorous course and to be successful students need a high level of Mathematical sophistication and have strong study habits. Topics covered include: Polynomial/Radical/Relational Relationships, Functions, Trig Functions, Probability and Statistics. To be successful in this course students need a high level of Mathematical sophistication and have strong study habits. A TI-84 graphing calculator is required for this course.

**Course Title:** *AP Computer Science Principles*  
**Term:** Two Semesters  
**Credit:** 1.00  
**Prerequisite:** Computer Science Essentials  
**Description:** Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the internet. Projects and problems include development, visualization of data, and simulation. Students must take Computer Science Essentials before enrolling in this course. All students will be able to take the AP exam in May. The cost of the AP exam is paid by the student. The cost is determined by the college board. Approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

**Course Title:** *Computer Science Essentials*  
**Term:** Two Semesters  
**Credit:** 1.00  
**Prerequisite:** None  
**Description:** Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block based programming and seamlessly transition to text - based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

**Course Title:** *Dutchess Community College Elementary Statistics (DCC- MAT118)*  
**Term:** Two semesters  
**Credit:** 1.00, 3.00 college credits  
**Prerequisite:** 85 or above in Algebra II R or teacher recommendation  
**Description:** Basic statistical procedures are developed. Topics include hypothesis testing, interpreting, analyzing and simulating distributions of sample statistics, theory- based approach to inference, confidence intervals and correlation and regression. College success skills imparted in the course include how to (*con't*)

use the technology platforms including the One Proportion and Sampling From a Finite Population applets, self-advocacy, goal setting, planning, time management, mindset, and math study skills. Technology will be used regularly throughout the course.

**Course Title:** *Dutchess Community College Pre-Calculus (DCC - MAT185)*

**Term:** Two semesters

**Credit:** 1.00 high school credit, 4.00 college credits

**Prerequisite:** Algebra IIR with a continuous class average of 85

**Description:** This course is intended primarily for students planning to take Calculus. Topics include a study of functions, specifically: linear, inverse, quadratic, composite, exponential, logarithmic, trigonometric, power, polynomial, rational, root and their characteristics and transformations. Modeling and data analysis techniques are also employed. Conceptual understanding is emphasized and algebraic skills are reinforced throughout the course. The primary objective of this course is to provide the student with the language, mathematical skills and conceptual thinking skills necessary to succeed in the calculus sequence. Two additional goals are a thorough introduction and development of trigonometric concepts and familiarizing the students with techniques to effectively read a mathematics textbook or comprehend info presented in a mathematics video. Students are required to have access to a graphing calculator (TI-84) for use for class work, homework and testing situations, though there will be some exams where use of a graphing calculator is not allowed. Withdrawals and grades earned in DCC classes will remain on official school transcripts possibly affecting access to financial aid and acceptances in other programs.

**Course Title:** *Dutchess Community College Calculus (DCC - MAT 221)*

**Term:** Two semesters

**Credit:** 1.00 high school credit, 4.00 college credits

**Prerequisite:** DCC MAT185 PreCalculus with a continuous class average above 85.

**Description:** This course is the first of a multi-semester college-level sequence developing Calculus for the student majoring in engineering, mathematics or the sciences. Topics include limits, continuity, the derivative, differentiability, antiderivatives, the definite integral, the Fundamental Theorem of Calculus, techniques of differentiation (including for transcendental functions), applications of differentiation and integration, mathematical modeling and computer (*con't*) applications. Students are required to have access to a graphing calculator (TI-84) for use throughout the year. Students are responsible for having their calculator available for class work, homework and testing situations, though there will be some exams where use of a graphing calculator is not allowed. Use of a Computer Algebra System (Mathematica - using Wolfram coding, or Desmos with Google Docs or Microsoft Word) is required in order to create professional project reports intertwining both mathematical explanations with supporting calculated tabular values and graphic representations. Each student will be granted access to this coding system, graphing system, and word software in class. Withdrawals and grades earned in DCC classes will remain on official college transcripts possibly affecting access to financial aid and acceptances in other programs.



**Course Title:**        ***Financial Math***

**Term:**                Two Semesters

**Credit:**             1.00

**Prerequisite:**      Algebra I

**Description:**      This course offering is to provide students with a basic understanding of mathematics as it is applied to the post high school world. Selected topics include budgeting, taxes, credit/debit cards, cars, mortgages, home improvement, and more. Along with these, applications of Algebra and Geometry will model real world situations.

**Course Title:**        ***Geometry***

**Term:**                Two Semesters

**Credit:**             1.00

**Prerequisite:**      Algebra IR

**Description:**      This course is designed to give students a foundation in Geometry. Topics include: Points, planes, lines, segment addition postulate, distance midpoint formulas, Angles, Triangles, constructions, parallel and perpendicular lines, right triangle trigonometry, polygons and quadrilaterals, transformations, circles, volume and surface area. This course does NOT lead to the NYS Geometry Regents exam. Students who perform well in this may be able to advance to Common Core Geometry. A TI-84 graphing calculator is used in this course.

**Course Title:**        ***Geometry R***

**Term:**                Two Semesters

**Credit:**             1.00

**Prerequisite:**      Algebra IR, Geometry (only with a written teacher recommendation)

**Description:**      This course is the 2nd year of the 3-year Common Core NYS sequence of Math courses. This course will cover the NYS Common Core Geometry curriculum and leads to the NYS Geometry Regents exam. This is a rigorous course involving extensive work with proofs. This is a writing-intensive course which requires the students to be able to reason logically. Topics include: Geometry Proofs (many!), CPCTC, Quadrilaterals, Coordinate Geometry w/Proofs, Constructions, 3-Dimensional Solids, Similarity, Circles, and Right Triangle Trig. A TI-84 graphing calculator is required for this course.

## **MUSIC/PERFORMING ARTS**

**Course Title:** ***AP Music Theory***

**Term:** Two Semesters

**Credit:** 1.00

**Prerequisite:** Music Theory

**Description:** AP Music Theory is a challenging course for serious musicians. It culminates with the AP Music Theory exam which can count as college credit. The prerequisite of Music Theory is strongly recommended to pass this class. AP Music Theory subjects include notation, all scales, all chords, sight singing, figured bass and music analysis.

**Course Title:** ***Chorus***

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** None

**Description:** This course strives to develop a high level of vocal performance while enjoying singing and learning to participate in an organized group. Vocal skills such as proper diction, intonation and breathing are emphasized. Concert participation is required. Students will be involved in school performances and concerts in the community. This course is open to students who behave well and enjoy singing. The chorus will perform in at least three (3) required concerts each year.

**Course Title:** ***Concert Band***

**Term:** Two Semesters

**Credit:** 1.00

**Prerequisite:** Minimal playing experience

**Description:** This course is for students interested in playing in a school band. Participation in Marching Band is required for all students enrolled in Concert Band for the two yearly parades. Students will be pulled from their classes once a week on a rotating basis to attend lessons. The band will be involved in at least six (6) performances each year. All performances are scheduled after school and attendance is mandatory.

**Course Title:** ***Guitar***

**Term:** One semester

**Credit:** 0.5

**Prerequisite:** None

**Description:** Guitar is a one semester course covering the basics of the instrument and an application of essential music fundamentals. Students will learn the basics of playing the guitar at the beginning level through studying guitar tablature, chord symbols and peer modeling. An acoustic guitar which is kept at BHS will be provided for this course. \*Students must keep their fingernails cut short for the semester to take this class.\*

**Course Title:** ***Guitar II***

**Term:** One semester

**Credit:** 0.5

**Prerequisite:** Guitar I

**Description:** Guitar II is a one semester course continuing on the basics of the instrument and an application of essential music fundamentals. Students will build (*con't*)

on what they learned in Guitar I. An acoustic guitar which is kept at BHS will be provided for this course. \*Students must keep their fingernails cut short for the semester to take this class.\* ***Pending course approval.***

**Course Title:**        ***Music Theory***

**Term:**                Two Semesters

**Credit:**             1.00

**Prerequisite:**      Vocal or instrumental via Concert Band, Concert Choir, or outside musical experience is required. This course is designed for those students pursuing a sequence in music and/or wish to expand their musical foundation.

**Description:**      A course introducing the motivated music student to the study of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and to some extent, musical history and style. Critical musicianship skills are developed in the process such as notation, dictation, listening skills and sight-singing.

**Course Title:**        ***Music Production***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      None

**Description:**      Students will discover and explore introductory concepts used in audio recording, arranging, remixing, creating MIDI tracks and mixing. No prior musical experience is needed, however, having training on an instrument or voice is helpful. Students will create music using music editing software and keyboards. Students interested in the current methods of music creation and production should consider taking this course.

**Course Title:**        ***Music Production II***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      Music Production I

**Description:**      Students will build on the introductory concepts learned in Music Production I for audio recording, arranging, remixing, creating MIDI tracks and mixing. Students will create music using music editing software and keyboards. ***Pending course approval.***

## **PHYSICAL EDUCATION**

**Course Title:** *Physical Education 9 Health Related Fitness*  
**Term:** Two semesters (every other day)  
**Credit:** 0.5  
**Prerequisite:** None  
**Description:** Students will be studying the 5 components of health-related fitness including Muscular Strength, Muscular Endurance, Flexibility, Cardiovascular fitness and Body Composition. In addition, all students will have the opportunity to receive CPR/First Aid certification and will obtain the necessary skills to develop a personal fitness plan.

**Course Title:** *Physical Education*  
**Term:** One semester (every other day)  
**Credit:** 0.25  
**Prerequisite:** Successful completion of PE 9  
**Description:** Students will have the opportunity to participate in various forms of physical activity that will promote an active and healthy lifestyle. Activities will include team sports, games, and alternative forms of exercise. Students must complete two full credits in Physical Education over a four year period to meet New York State graduation requirements. Students need to take one PE class each semester.

**Course Title:** *Adapted Physical Education*  
**Term:** Two semesters (every other day)  
**Credit:** 0.5  
**Prerequisite:** CSE Committee Recommendation  
**Description:** This course will provide students with emotional and physical limitations, a modified PE Program. This course will consist of a variety of foundation based units with modifications in which students will acquire skills and strategies of problem solving, goal setting and cooperative learning as well as units in aquatics, dance, personal fitness and individual and team sports. The curriculum has been developed to comply with New York State, National and Beacon High School standards.

**Course Title:** *Athletic Training*  
**Term:** One semester  
**Credit:** 0.50  
**Prerequisites:** Completion of three science credits: Living Environment R and two other core sciences. Teacher approval if the course is to satisfy graduation requirements.

We are excited to offer our students the opportunity to learn about careers in athletic training. Athletic Training is designed for students interested in a career in sports medicine such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other related fields. In this course students will learn through class work and practical hands-on application and have the opportunity to interact with local sports medicine specialists. This program will provide an excellent background for continuation in postsecondary level health occupation programs.

## **SCIENCE**

<b><u>Course Title:</u></b>	<b><i>AP Biology</i></b>
<b><u>Term:</u></b>	Two semesters
<b><u>Credit:</u></b>	1.00
<b><u>Level:</u></b>	Advanced
<b><u>Prerequisite:</u></b>	Successful completion of Living Environment R and Chemistry R
<b><u>Description:</u></b>	For any student planning to pursue a degree in health sciences, engineering, chemistry, animal sciences or environmental studies. (i.e. doctor, nursing, physician's assistant, physical therapist, EMT, pharmaceutical, psychology, veterinarian, biochemical engineering or biochemistry).

This course is equivalent to two semesters of college Biology. Students will study the core scientific principles, theories, and processes that govern living organisms and biological systems. You'll do hands-on laboratory work to investigate natural phenomena. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. Due to the fast pace and depth of material, large amounts of work outside the classroom will be required of participants. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

For information regarding AP Biology course, please visit the College Board website at <http://www.collegeboard.com>.

<b><u>Course Title:</u></b>	<b><i>AP Environmental Science</i></b>
<b><u>Term:</u></b>	Two semesters
<b><u>Credit:</u></b>	1.00
<b><u>Prerequisite:</u></b>	Completion of two years of Regents Science. Maintain a minimum science average of 85. Earth Science Regents is strongly recommended
<b><u>Description:</u></b>	The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. All students will be required to take the AP exam in May. The cost of the AP exam is paid by the student. The cost is determined by the college board. Approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

<b><u>Course Title:</u></b>	<b><i>Biological Science: Living Environment R</i></b>
<b><u>Term:</u></b>	Two semesters
<b><u>Credit:</u></b>	1.00
<b><u>Prerequisite:</u></b>	Successful completion of Science 8
<b><u>Description:</u></b>	This course will cover the NYS Living Environment syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Living Environment component of Standard 4 of the New York State Learning ( <i>con't</i> )

Standards for Mathematics, Science, and Technology. This course covers basic similarities in living things as well as the unity and diversity of life. Emphasis is placed on the relationship of living things to one another, biochemistry, the structure and function of cells, homeostasis, genetics and evolution. 4 NYS Labs are required in order to be eligible for the Regents examination.

**Course Title:**        ***Physical Science: Earth Science R***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Completion of Living Environment R. Strongly suggested concurrent enrollment or successful completion of Geometry.

**Description:**      This course will cover the NYS Physical Settings/Earth Science syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Physical Settings/Earth Science component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. Earth Science is an integrated, interdisciplinary course that considers the earth, its materials, processes, history and environment in space. The Performance Test (approximately 15% of the student's final examination score) will be administered at the school's convenience during the last two weeks of the course, but no later than the day prior to the administration of the written test.

**Course Title:**        ***Physical Science: Chemistry R***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Successful completion of Living Environment R. Concurrent enrollment or successful completion of Geometry.

**Description:**      This course will cover the NYS Physical Setting/Chemistry syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Physical Settings/Chemistry component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. This course is for a sequence in science toward the Regents and/or Advanced Regents Diploma. The course presents a modern view of chemistry covering topics, such as matter and energy, atomic structure and bonding, the periodic table, mathematics of chemistry, kinetics and equilibrium, acid-base theories, electrochemistry and organic chemistry.

**Course Title:**        ***Physical Science: Physics R***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Successful completion of Living Environment Regents and Chemistry Regents. Concurrent enrollment or successful completion of Algebra II Regents.

**Description:**      This course will cover the NYS Physical Settings/Physics syllabus. The curriculum has been designed to prepare instruction and assessment which reflect the Physical Settings/ Physics component of Standard 4 of the New York State Learning Standards for Mathematics, Science, and Technology. This course is for a sequence in science toward the Regents and/or Advanced Regents Diploma. The course topics include the study of matter and energy with emphasis in mechanics, wave phenomena including light and sound, electricity and magnetism and atomic and nuclear physics.

**Course Title:**     ***Physical Science: Conceptual Chemistry***  
**Term:**             Two semesters  
**Credit:**           1.00  
**Prerequisite:**     Successful completion of Living Environment R  
**Description:**     Course study will include topics in Chemistry such as matter and change, measurement, atomic structure, periodic trends, chemical names and formulas, chemical quantities, states of matter, behavior of gasses, chemical bonding, chemical reactions, acids, bases and solutions. Non Regents level.

**Course Title:**     ***Physical Science: Conceptual Earth Science***  
**Term:**             Two semesters  
**Credit:**           1.00  
**Prerequisite:**     Successful completion of Living Environment R  
**Description:**     This Earth Science course covers concepts associated with the nature of science, near-earth objects, plate tectonics, earthquakes, volcanoes, mountains, rocks and minerals, geologic time, streams, groundwater, oceans, atmosphere, weather, climate and global change. Laboratory activities are a part of the course. Non Regents level.

**Course Title:**     ***Astronomy***  
**Term:**             One semester  
**Credit:**           0.5  
**Level:**            Intermediate  
**Prerequisite:**     Successful completion of Earth Science R  
**Description:**     This course introduces you to the composition and structure of the universe. Astronomy is the scientific study of the contents of the entire Universe. This course will provide the student with a study of the universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

**Course Title:**     ***Field Biology***  
**Term:**             One semester  
**Credit:**           0.5  
**Prerequisite:**     None  
**Description:**     A general interest in learning about nature and ecology and willingness to go outdoors during class time is a must. Students will have the opportunity to go outside to do field work and engage in an agriculture curriculum. Activities will include building, planting, and maintaining an organic garden, winter, fall, and spring tree identification, invasive species remediation, aquatic ecosystem studies with field trips to the Hudson River and Fishkill Creek, litter removal, environmental outreach, local ecosystem studies, and citizen science projects including bird counts and collecting climate data. Students enrolled in this course will have to be ready to dig in the dirt and go outside in any weather.

**Course Title:**        ***Forensic Science***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**       None

**Description:**       Forensic Science is the application of scientific knowledge to legal questions and encompasses various scientific disciplines. This course will introduce various methodologies and applications used in the forensic context. Topics covered are: observational skills, crime-scene investigation and evidence collection, fingerprints, DNA fingerprinting, blood and blood spatter, ballistics, drug identification and toxicology, handwriting analysis, and death. Our focus will be to learn the basic concepts of Biology, as it applies to the basic concepts of Forensic Science. You will learn to apply the scientific method, do hands-on lab activities, class work and projects. Each lab activity will show you more clearly the techniques used at crime-scenes and for analyzing evidence so that you can see for yourself science in action.

**Course Title:**        ***Human Anatomy***

**Term:**                One semester

**Credit:**             0.5

**Level:**              Advanced

**Prerequisite:**       Successful completion of Living Environment R and Chemistry R

**Description:**       Interested in pursuing a career in health sciences (nursing, physical therapy, physicians assistant, nurse practitioner, doctor or any other health related field)? Concentrated study of the human systems. Topics covered: anatomical planes and sections, histology, skeletal, muscular, nervous, circulatory, respiratory, digestive and excretory and endocrine systems. Students will be exposed to various health professionals, videos, and laboratory activities. This course is a must for any student considering to be a health professional.

**Course Title:**        ***Laboratory Skills***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**       None

**Description:**       Hands on activities with lab equipment, such as using microscopes. This comprehensive course will help students who wish to pursue a career as a lab technician, or research technician in Biotechnology, pharmaceutical, medical facility, or Universities. Students will be exposed and trained in various laboratory practices and skills. Units such as measurement, basic principles of chemistry, and how to use a microscope are covered. This class is perfect for the new science learner. Course will meet CDOS credentials.

**Course Title:**        ***Laboratory Investigation: STEM***

**Term:**                Two semesters

**Credit:**             1.00

**Level:**              Advanced

**Prerequisite:**       Successful completion of Regents Physics. Strong math background; Geometry R and Algebra II R are strongly recommended.

**Description:**       This course will focus on science, technology, engineering and mathematics through research and laboratory study. You will analyze, demonstrate and explain different scientific concepts using equipment provided in a laboratory setting. You will also design and build objects that are required to complete a specific task. (con't)



Grades will be determined by how successful you are at completing a task and by the presentations you give at the end of each challenge. Students will be doing some basic coding for the operation of drones and robots.

**Course Title:** ***Marine Biology***  
**Term:** One semester  
**Credit:** 0.5  
**Level:** Intermediate  
**Prerequisite:** Successful completion of Living Environment R. Preference to juniors and seniors.

**Description:** Interested in marine animals and dissecting? Marine Biology is the scientific study of the plants, animals, and other organisms that live in the ocean. The course of study will include principles of marine science, marine life, and marine activities. Dissections are required for successful completion of the course.

**Course Title:** ***Principles of Neuroscience***  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisites:** Completion of Living Environment R  
**Requirement:** Open to grades 9-12

**Description:** The field of Psychology & Behavioral Science is changing as we understand more about how the biological system of the brain senses and perceives the world. As more research into cognitive neuroscience emerges, some of the most fascinating questions about human nature can be explored and explained through an understanding of the neurological mechanisms underpinning behavior. The class will consist of three main modules: Neurons & Neuroanatomy, Neural Systems and Brain & Behavior. We will conduct hands-on experiments, analyze clinical case studies and dive into strange phenomena of sensation and perception. ***Pending course approval.***

**Course Title:** ***Science Research Literacy I***  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisite:** None

**Description:** Have you ever thought of a really great question that a search engine can't answer to your liking? Then you're probably ready for Science Research. This course offers the opportunity to solve problems using a systematic thought process. Students will learn and apply the core skills of scientific inquiry and apply those skills by completing a research project. Students conduct primary research on a topic, formulate testable predictions and continue by designing a method to carry out their own experiments. Basic statistical analysis will allow students to draw valid conclusions while communicating their findings to a broader audience through presentations and in writing. Students are required to submit a completed written research paper.

**Course Title:**        *Science Research II*

**Term:**                Full year

**Credit:**             1.0

**Level:**              Advanced

**Prerequisite:**     Successful completion of Science Research Literacy I strongly encouraged. Summer assignment must be completed prior to entry.

**Description:**     Students build skills that are utilized directly when conducting original scientific research. Students also participate in various individual and team projects to refine their critical thinking, collaboration, and problem-solving skills. Each student will develop an individual research project. Sophomore students will generate a formal research proposal, which they will present and defend during the spring semester. Students develop networking strategies by identifying, contacting and interviewing potential mentors at universities and scientific institutions working in their area of interest. Students then work individually with their mentor(s) to refine and crystallize their research topic into a specific avenue of research. Students are guided through each stage of the process: narrowing the scope of research that interests them, methodology, laboratory skills, scientific writing, peer review and communication of their research. It is expected that students complete the three-year science research sequence. Students generally complete their research with the mentor(s) over the summer between sophomore and junior year. Junior research students continue to work with their mentor(s) completing their research and writing a research paper. Senior research students continue communicating their findings by mentoring other students and entering their research into various symposia.

## **SOCIAL STUDIES/SOCIAL SCIENCE**

**Course Title:** ***AP African American Studies***

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** Completion of Global Studies II

**Description:** This multidisciplinary course examines the breadth of African American experiences through direct encounters with rich and varied sources, drawing from the fields of literature, the arts and humanities, political science, geography, science, and more. This two semester course prepares students for the Advanced Placement Exam in May. The cost of the AP exam is paid by the student. The cost is determined by the college board– currently approximately \$95.00 per exam. Students who qualify for a fee reduction pay approximately \$55.00 per exam.

***Pending course approval.***

**Course Title:** ***AP US History***

**Term:** Two semesters

**Credit:** 1.00

**Prerequisite:** Completion of Global Studies II

**Description:** This two semester course prepares students for the Advanced Placement Exam in May. It is the equivalent to the freshman level United States History survey course taught in colleges and universities. The course covers the time period prior to 1492 through today. Critical thinking abilities, careful reading comprehension, and analytical writing skills are integral to this course, as would be expected of university freshmen students. In addition, this course will focus on other aspects of government to align itself with the New York State Regents Exam in US History and Government, to be taken in June.

**Course Title:** ***Contemporary Issues***

**Term:** One Semester

**Credit:** 0.5

**Prerequisite:** Completion of Global Studies II

**Description:** This course will focus on the major social, political and economic issues which face the United States and the world today. Students will use a variety of sources of information to become informed of the major modern issues which face individual nations and the global community. An interactive approach will be used. A term project will be required for this course.

**Course Title:** ***Criminal Justice II***

**Term:** One semester

**Credit:** 0.5

**Prerequisite:** Successful completion of Introduction to Criminal Justice

**Description:** This course continues and elaborates into the system and systematic relationships in discussing the functions of criminal law, police, courts, trials, prosecution and defense. Field trips and guest speakers will be an integral part of the experience.

**Course Title:** *Dutchess Community College Developmental Psychology 203*  
**Term:** One semester  
**Credit:** 0.5 (3 DCC Credits)  
**Prerequisite:** Completion of Psychology 111, with 75% or higher average.  
**Description:** This course is a college-sanctioned course sponsored by Dutchess Community College. Successful completion will give students three Credits in psychology from D.C.C. These student interactive courses focus on the basic principles of psychology and psychological research. College level reading and research paper writing are essential.

**Course Title:** *Dutchess Community College Economics*  
**Term:** One Semester  
**Credit:** 0.5 (3 DCC Credits)  
**Prerequisite:** Grade Requirement: 85% or above in US History Honors/AP or 90% or above in US History and/or 85% or above on June US History Regents Exam. Teacher Recommendation/Department Review.  
**Description:** This course is a college sanctioned course sponsored by Dutchess Community College. Students will learn the basic concepts of Microeconomics and Macroeconomics. Class discussion is a must skill as well as research skills

**Course Title:** *Dutchess Community College Government*  
**Term:** One Semester  
**Credit:** 0.5 (3 DCC Credits)  
**Prerequisite:** Grade Requirement: 85% or above in US History Honors/AP or 90% or above in US History or 85% or above on June US History Regents Exam. Teacher Recommendation/Department Review.  
**Description:** This course is a college sanctioned course sponsored by Dutchess Community College. The government course will give students the concept of linkage institutions and of those groups who have the power to make decisions for the government. Class discussion is a must skill as well as research skills.

**Course Title:** *Dutchess Community College Psychology 111*  
**Term:** One semester  
**Credit:** 0.5 (3 DCC Credits)  
**Prerequisite:** ***SENIORS ONLY***. Grade Requirement: 90% or above in US History or 85% or above in June US History Regents Exam and/or 90% or above in Psychology, also Teacher Recommendation/Department Review.  
**Description:** This course is a college-sanctioned course sponsored by Dutchess Community College. Successful completion will give students three Credits in psychology from D.C.C. These student interactive courses focus on the basic principles of psychology and psychological research. College level reading and research paper writing are essential.

**Course Title:** *Economics*  
**Term:** One semester  
**Credit:** 0.5  
**Prerequisite:** Completion of US History and Government  
**Description:** Successful completion of this course is required for graduation in senior year. Topics covered will be appropriate for seniors to provide them with economic (con't)

skills that will enable them to function as informed and economically literate citizens in society. Emphasis is placed on being an informed consumer.

**Course Title:**        ***Food and Culture***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies I

**Description:**    Explore the relationship between culture and the foods associated with certain groups of people. How has the economic and/or political culture in certain regions of the world has been influenced by the foods available to their citizens.

**Course Title:**        ***Global Studies I***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Completion of Social Studies 8.

**Description:**      Global Studies I is an intensive course instructing students in the history of the world from Prehistory until 1700. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the first part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. Students are encouraged to keep all notes and materials until they pass the Global Studies Regents Exam. Global Studies Regents Ready classes will focus on developing skills necessary to pass the Global Studies Regents Exam and analysis of materials to enrich the curriculum. Skills in essay writing and test taking will be sharpened for success on the Regents Exam.

**Course Title:**        ***Global Studies IH***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Completion of Social Studies 8 with a 90% average, and teacher recommendation.

**Description:**      Global Studies I is an intensive course instructing students in the history of the world from Prehistory until 1700. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the first part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. Students are encouraged to keep all notes and materials until they pass the Global Studies Regents Exam. Global Studies Honors classes assume that students have developed skills for social studies and will focus on enrichment activities and more in depth study of course material. Students will learn to sharpen writing and test taking skills and be required to complete assignments that prepare them for continuation in the Honors track in tenth and eleventh grade. Successful completion will result in receiving a weighted score for their GPA. Students enrolled in this course are expected to maintain a minimum 80% average each quarter, please consult the teacher on grade requirements.

**Course Title:**        ***Global Studies II***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Completion of Global Studies I

**Description:**      Global Studies II is an intensive course geared toward instructing students in the history of the world from 1700- present. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the second part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. This Global Studies Regents Ready class will focus on developing skills necessary to pass the Global Studies Regents Exam and analysis of materials to enrich the curriculum. Skills in essay writing and test taking will be sharpened for success on the Regents Exam.

**Course Title:**        ***Global Studies IIH***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Grade Requirement: 90% or above in Global Studies I and 90% or above on Global Studies I Final Exam or 85% or above in Global Studies I Honors

*Teacher Recommendation/Department Review*

\*All Students in Honors must maintain an 80% or above average in each of the four quarters to remain in the class.

**Description:**      Global Studies II is an intensive course geared toward instructing students in the history of the world from 1700- present. The course follows a chronological approach addressing themes discussed in the NYS Social Studies Core Curriculum. This course is the second part of a two part series. Upon completion of Global Studies II, students will be given a Regents Exam that will cover material from both Global Studies I and Global Studies II. Global Studies Honors classes assume that students have developed skills for social studies and will focus on enrichment activities and more in depth study of course material. Students will learn to sharpen writing and test- taking skills and be required to complete assignments that prepare them for continuation in the Honors track in tenth and eleventh grade. Successful completion will result in receiving a weighted score for their GPA. Students enrolled in this course are expected to maintain a minimum 85% average each quarter, please consult the course teacher on grade requirements.

**Course Title:**        ***Great Conflicts in History***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies I and II with a 75 plus average.

**Description:**      This course will cover the causes and effects of the major wars in history. Ancient, Medieval and modern conflicts will be studied. Emphasis will be on wars from Napoleon to the present. Conflicts to be covered include but are not limited to, The 100 years, Napoleonic Wars, World War I and II. Study of the wars will analyze social, economic and political effects of these wars and their impact on the world today. A term project will be required for this course.

**Course Title:**        ***Introduction to Criminal Justice***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies II

**Description:**      This course will study the system and systematic relationships in discussing the functions of criminal law, police, courts, trials, prosecution and defense. Field trips and guest speakers will be an integral part of the experience.

**Course Title:**        ***Participation in Government***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      Completion of US History and Government

**Description:**      Successful completion of this course is required for graduation in senior year. This course is intended to encourage civic-minded citizens. The “office of citizens” is a fundamental part of any democracy. In-depth discussions on both national and international governments and their organizations are the essential part of the course. A term project is required.

**Course Title:**        ***Political Science***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies I

**Description:**      Introduce modern political issues with the goal of encouraging active classroom discussion and debate on current topics. Gain a better understanding of the US in the global context.

**Course Title:**        ***Psychology***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies I

**Description:**      This course is an introduction to the basic concepts of psychology. Emphasis is placed on helping the student learn more about the mind and behavior. Topics include: infancy, childhood, adolescence, memory, abnormal behavior, intelligence, etc.

**Course Title:**        ***Social Justice in America***

**Term:**                One semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies I

**Description:**      Students taking this course will be introduced to social justice issues relating to ableism, racism, sexism, heterosexism, and classism in America. Students will trace the path of social movements to understand the history of injustice to put today’s events in context. This course will encourage students to think critically about social justice concepts, issues, and remedies.

**Course Title:**        ***Sociology***

**Term:**                One Semester

**Credit:**             0.5

**Prerequisite:**      Completion of Global Studies I

**Description:**      This course will introduce students to the study of mankind's most important creation: the social group. Everything we do is directly or indirectly influenced by the society in which we live. You will study topics which include: family, poverty, race, sex and gender issues, societal norms, etc.. There will be diverse learning modules including: lectures, video clips, relevant movies and social media connections. Students will be expected to engage in class discussion as well as complete all assigned work.

**Course Title:**        ***US History and Government***

**Term:**                Two semesters

**Credit:**             1.00

**Prerequisite:**      Completion of Global Studies I and II.

**Description:**      This course is a chronological study of American History with great emphasis on the Constitution of the United States. Current events play a major role in this course. The course is designed to give students a realization of the impact of government on their lives. Students will be expected to have mastery of essay and DBQ writing skills to be recommended. The Five District Standards will be used with emphasis on essay writing and primary source documents.



## **Technology**

**Course Title:** ***CAD I (Computer Aided Drafting)***

**Term:** One Semester

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course is an introduction to computer-aided drafting (CAD) using AutoCAD LT software program. The topics covered in this course include: the AutoCAD LT graphics and text windows, user interface, drawing, setup parameters, rectangular and polar coordinate entry, display control functions, 2D geometric objects, selection sets, object snap models, X and Y coordinate filters, inquiry commands, text creation and modification, and 2D editing commands.

**Course Title:** ***Keyboarding***

**Term:** One semester

**Credit:** 0.5

**Prerequisites:** None

**Description:** This course is intended for students who need to learn or improve their keyboarding technique and skills as well as some basic to intermediate computing skills utilizing applications from Adobe and Google. All aspects of the keyboard will be examined, not just typing. Students will master touch keyboarding and improve their proofreading, editing and writing skills while formatting letters, understanding basic computing applications, and introduction into certain freelance fields for employment. In keyboarding students memorize the order of the keys and practice typing for speed and accuracy. While the basics of keyboarding will cycle throughout the course, students will also handle projects in relation to (but not limited to) InDesign, Photoshop, and Illustrator for the purpose of light study of freelance fields.

**Course Title:** ***TV Production I/Broadcasting***

**Term:** One Semester

**Credit:** 0.5

**Prerequisite:** None

**Description:** This course is the introduction of skills involving communication through Television. Students will be introduced to the artistic and technical aspects of Television Production such as: camera and computer editing techniques. Camera techniques include panning, zooming and tilting. Editing techniques include assembly editing, insert editing and visual effects. Each skill is taught through hands-on experience in the studio, classroom, and is entirely project based.. Assignments will include a beauty reel, basic photography and framing, interviewing, a 1 ½ min short, and a 2 ½ min short.

**Course Title:** ***TV Production II/Broadcasting***

**Term:** One Semester

**Credit:** 0.5

**Prerequisite:** TV I and Instructor Approval

**Description:** In this course students will study the freelance arena including: influencing, streaming, interviewing, podcasting, and short films. Students will be forming groups and participating in a variety of assignments up to: 1 min short films, 3 min interviews, 5 min movies, industry applicable positions and script writing. (con't)

Students, through the use of release forms, will also be allowed to take home equipment in order to get better products on film.

**Course Title:**      ***Video Game and Design***

**Term:**                One semester

**Credit:**             0.5

**Prerequisites:**    None

**Description:**     Video game designers use extensive technology, such as editing and design software. Students will create programs or choose formats for websites, magazines, or movies, all of which call for an understanding of technology and software. Many jobs as video game designers require candidates to create programs or products both aesthetically appealing and functional. Consoles will be used throughout the course as well as applicable games for the use of level creation, 3D building, and strategy. Creativity is necessary in this process since individuals brainstorm innovative designs and make choices on product appearance.

## **VOCATIONAL/TECHNICAL COURSES**

**Course Title:**     ***Business Marketing***

**Term:**             One semester

**Credit:**           0.5

**Prerequisite:**    Completion of grade 9

**Description:**    In this course students examine the fundamentals of marketing and sales, including how research can help identify and generate sales. Public relations and corporate communications will explore the use of media and branding to improve a company's image, which in turn helps sales. Students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

**Course Title:**     ***Career and Technical Institute at BOCES***

**Term:**             Two semesters. Many of the programs must be taken for 2 years to receive certification.

**Credit:**           Up to four credits per year

**Prerequisite:**    BOCES Application and successful completion of grades 9 and 10.

**Description:**    Students in their junior and/or senior year will have the opportunity to attend classes for one half of the day and receive vocational training during the other half at Dutchess County BOCES. Over 36 programs are offered in the six major career fields of: Business Information Systems, Engineering Technology, Arts and Humanity, Health Services, Human and Public Services, Natural and Agricultural Sciences. The goal of each of the programs is to deliver hands-on training needed to gain employment, and many carry college credits that can transfer to further education. Course offerings are detailed on the website: [www.dcboces.org/CTI](http://www.dcboces.org/CTI). Students must complete an application and are still required to complete their high school graduation requirements in addition to attending a BOCES program. Good attendance and discipline is considered when completing the application. Sophomores will be able to review programs offered around January/February for the next school year.

**Course Title:**     ***Introduction to Occupations***

**Term:**             One Semester

**Credit:**           0.5

**Prerequisite:**    None

**Description:**    This course is designed to give students the opportunity to explore a variety of careers and occupations. Students will research the requirements and skills needed for specific occupations; learn about the job application process, job interview procedures and workplace expectations

**Course Title:**     ***Job Skills***

**Term:**             One semester

**Credit:**           0.5

**Prerequisites:**   None

**Description:**    Everyone needs to know how to get and keep a job. Students will learn how to create employment documents like resumes, letters of application, job (con't)

applications and successfully interview for a job. Students will practice mock interviews to boost their confidence. This course will teach students how to answer the tough interview questions. Students will research job opportunities in their areas of interest. Students will research different careers in Naviance that match their Career Interests Profile. Students will learn about themselves through interesting inventories on Naviance that leads them to know their interests and aptitudes. Students will learn skills to help them secure a job, and function as part of a team in the workplace.

**Course Title:**        ***Personal Finance***

**Term:**                One semester

**Credit:**             0.5

**Prerequisites:**    Completion of grade 9

Money, Money, Money: Students learn now about saving and budgeting. Learn about tips for tracking and saving money. What is interest and debt. Compound interest, credit cards, and loans. Investments and Retirement accounts such as IRA's and Mutual Funds: How to make your money work for you! Income and medical benefits. Housing: buying vs renting. car expenses: buying vs Leasing a car. What works for you? Tax forms and how to complete them. Paying for college, grants, financial aid, scholarships etc.

## **SUPPORT SERVICES**

**Course Title:** *English Lab and Math lab*

**Term:** Two Semesters

**Credit:** 0.00

**Prerequisite:** Score 1 or 2 on NYS ELA, Math and/or having been identified as needing academic support services in a core subject in grade 8.

**Description:** Students work in small groups to improve their comprehension strategies and skills, and reinforce skills and mathematical weaknesses as well as build their test taking strategies. Students will learn to apply and use comprehension strategies and skills across the curriculum. Students will have the availability to work with all core teachers.

**Course Title:** *Resource 9/10*

**Term:** Two semesters

**Credit:** 0.00

**Prerequisite:** CSE Committee Recommendation

**Description:** Support services as outlined in a student's IEP

**Course Title:** *Resource 11/12*

**Term:** Two semesters

**Credit:** 0.00

**Prerequisite:** CSE Committee Recommendation

**Description:** Support services as outlined in a student's IEP

**Course Title:** *School to Work Program*

**Term:** Two Semesters

**Credit:** 0.00

**Prerequisite:** Age of 16 or higher. CSE recommendation

**Description:** The students receive adult-Job Coach mentoring and guidance at local job sites during a designated 3 period time frame. The volunteer work hours can be used towards the SAAC and CDOS certificates. The goal is to introduce the students to a variety of workplaces and work tasks to help them integrate themselves into the workforce when they leave the High School.