

PUTNAM VALLEY HIGH SCHOOL

146 Peekskill Hollow Road, Putnam Valley, N.Y. 10579

Course Selection Guide



2023-2024

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Mr. Matt Mello
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Dr. Letitia Payne
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Dear Parents and Guardians,

The Putnam Valley High School Course Selection Guide has been updated for the 2023-2024 school year. This Course Catalog will provide you with all of the academic information, graduation requirements, and course descriptions that your child will need to fill out a course of study for the next school year.

Putnam Valley High School is very excited to offer the prestigious International Baccalaureate Program for our students. The IB program focuses on developing the whole child through six subject areas and also the Diploma Program Core where students reflect on the nature of knowledge, complete independent research and undertake a project that often involves community service. In addition to the International Baccalaureate Program, Putnam Valley High School also offers valuable elective courses, such as, Science Research, and several Arts and Humanities electives. Please take time to read through the course catalog to familiarize yourself with our course offerings so that you can assist your child in the scheduling process for this year. Your child's guidance counselor will meet with your child this spring to design his/her academic program. We strongly encourage your child to take the most challenging academic courses available to them, which include the opportunity to take four years of math, and science courses.

At Putnam Valley High School, we pride ourselves on providing our students with a supportive and caring environment that is focused on developing a well-rounded and nurturing program for all of our students.

If you have any questions about the new International Baccalaureate Program or the scheduling process, please don't hesitate to contact your child's guidance counselor or Dr. Payne, the Assistant Principal with your inquiry.

Sincerely,

Mr. Matt Mello
Principal

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GRADUATION REQUIREMENTS

Students must meet course and testing requirements to receive a Regents diploma or a Regents diploma with an Advanced Designation. Students must successfully complete the following **minimum requirements**:

Regents Diploma

COURSE	CREDITS
English <ul style="list-style-type: none">• <i>ELA (Common Core)</i>	4 Credits
Social Studies <ul style="list-style-type: none">• <i>Global History & Geography Regents</i>• <i>US History & Govt. Regents</i>	4 Credits
Math <i>One Math Regents Examination</i> <ul style="list-style-type: none">• <i>Algebra (Common Core)</i>• <i>Geometry (Common Core)</i>• <i>Algebra II (Common Core)</i>	3 Credits
Science <i>One Science Regents Examination</i> <ul style="list-style-type: none">• <i>Living Environment</i>• <i>Chemistry</i>• <i>Earth Science</i>• <i>Physics</i>	3 Credits
WORLD LANGUAGES (Languages other than English) Credit	1
Art or Music	1 Credit
Health	½ Credit
Physical Education (all 4 years)	2 Credits
Electives	3.5 Credits
<hr/> Total Credits	<hr/> 22 Credits

Regents Diploma with an Advanced Designation

COURSE	CREDITS
English	4 Credits
• <i>ELA (Common Core)</i>	
Social Studies	4 Credits
• <i>Global History & Geography Regents</i>	
• <i>US History & Govt. Regents</i>	
Math	3 Credits
<i>All 3 Math Regents Examinations</i>	
• <i>Algebra (Common Core)</i>	
• <i>Geometry (Common Core)</i>	
• <i>Algebra II (Common Core)</i>	
Science	3 Credits
<i>2 Science Regents Examinations (1 must be Living Environment)</i>	
• <i>Living Environment</i>	
• <i>Chemistry</i>	
• <i>Earth Science</i>	
• <i>Physics</i>	
World Languages (Languages other than English)	3 Credits
<i>Comprehensive Language examination</i>	
Art or Music	1 Credit
Health	½ Credit
Physical Education (all 4 years)	2 Credits
Electives	1.5 Credits
<hr/> Total Credits	<hr/> 22 Credits

A student may be awarded a Regents diploma with *Honors* or a Regents diploma with *Advanced Designation with Honors* by achieving an average of 90 percent on all Regents examinations required for the diploma.

Under the new “4+1” pathway assessment option, students must take and pass four required Regents Exams or Department-approved alternative assessments (one in each of the following subjects: English, math, science, and social studies) and a comparably rigorous assessment for the fifth required exam to graduate.

Please see your child’s guidance counselor for other options and pathways to graduation or for information regarding requirements for local diplomas for students with an IEP or 504.

International Baccalaureate Diploma Program (IB)

The IB program focuses on developing the whole child through six subject areas and also the Diploma Program Core where students reflect on the nature of knowledge, complete independent research and undertake a project that often involves community service. Students pay a fee to take an IB course (for the past school year, 2022-2023, it was \$123).

IB Coordinators: Vincent DeGregorio & Rob Lathrop

Extended Essay (EE) Coordinators: Marifran DeMaine & Alexis Thornton

CAS Coordinators: Ryan Elsasser & Andrea Bily

Advanced Placement Courses

Advanced Placement courses follow the guidelines recommended by the College Board's Advanced Placement program (AP). Students enrolled in an AP course at Putnam Valley High School are required to take the Advanced Placement examination in May. Students pay a fee to take the AP examination (for the past school year, 2022-2023, it was \$100).

AP Coordinator: Dr. Letitia Payne

Dutchess Community College/SUNY Albany University

The High School offers several courses under the direction of Dutchess Community College (DCC). After successful completion of the course, students receive college credits, which may be transferred to many colleges and universities. Students pay a fee for each credit (for the past school year, 2022-2023, it was \$64 per credit). The following courses offer the potential to earn Dutchess County Community College (DCC) or Albany credits:

<u>Course Name</u>	<u>Credits</u>	<u>Department</u>
IB Math SL Year 1 & Year 2 - DCC	4 + 4	Mathematics
College Calculus - DCC	4	Mathematics
College Precalculus - DCC	4	Mathematics
College Statistics - DCC	3	Mathematics
IB Spanish SL Year 1 & Year 2 and V - DCC	3 + 3	World Languages
Authentic Science Research – Albany	up to 12	Science
The American Experience	3	Social Studies/English

Community Service Requirement

All Students must complete 40 hours of **approved** community service to meet graduation requirements. Please see the website for more information.

Program and Schedule Changes

Student schedule changes will be considered for the following reasons ONLY:

- Unassigned Periods
- Course Conflicts
- Fundamental shifts in curriculum choice (i.e. vocational to college prep program)
- Adjustment of course level as recommended by the teacher and after discussion with counselor and parent

Student schedule changes will NOT be considered for the following reasons:

- Teacher change requests
- Accommodating work schedules
- Accommodating early dismissal and/or late arrival for seniors

Any student who drops a class or is removed from a class after the **the midpoint of the 1st quarter of the class** will have a “withdrawal” recorded on their transcript unless there is an extenuating circumstance that is approved by the principal.

Seniors who drop a course after their transcript is sent to colleges may be in jeopardy of having their acceptance withdrawn by the college. Students are required to notify colleges before they drop a course to assess the impact of doing so.

At the beginning of the school year, no drops will be allowed until September 15, 2023. Students will only be allowed a 10 day window to drop classes. No drops will be accepted after September 25th. Students who drop a class must receive parent and principal approval.

Second Semester: no drops will be allowed until February 2, 2024. Students will only be allowed a 10 day window to drop classes. No drops will be accepted after February 12th. Students who drop a class must receive parent and principal approval.

Minimum Credit Policy

Students in grade 9 through 12 are to maintain a course load of 5.5 credits throughout the school year.

The Master Schedule

The School's Master Schedule is built around student choice. It is extremely important that students select their courses with a great deal of care. Classes are organized on the basis of student enrollment at the time of program planning. Because we are a small school with numerous, competing single course offerings, unavoidable conflicts can occur in the master schedule and occasionally students may be unable to enroll in all of the courses they have selected.

Honor Societies

Please check the PVHS website for information and deadlines for all Honor Societies.

[High School Honor Society Page](#)

NCAA

The NCAA Eligibility Center certifies the initial academic eligibility and amateur status of all college-bound student-athletes who wish to compete in Division I or II collegiate athletics. Prospective Division I or II athletes must complete an NCAA eligibility application at www.eligibilitycenter.org, prior to beginning twelfth grade. Prospective Division I or II athletes should also consult with their school counselor early in their high school career to ensure proper course selection.

To see a complete list of Putnam Valley High School's approved NCAA courses, please go to [The NCAA High School Portal](#) Our CEEB/ACT Code is: 334651

Additional information can be found at <http://www.ncaa.org/student-athletes/future>

International Baccalaureate Program

IB courses are open to all students in junior and senior year! Students should consult teachers, guidance counselors, and the IB Coordinators in order to make the best decision for them. Furthermore, passing an IB course does not guarantee that a student will earn college credit. It is strongly recommended that students and parents research how IB course credit would be applied on the college level and the scores required for college credit. <https://sites.google.com/pvcsd.org/pvhsib/home>

Students have two options to access the IB Diploma Program.

Option 1: Students can take the most rigorous approach and pursue the IB Diploma where they would take individual IB courses in the six IB Diploma groups.

Option 2: Students can take any individual IB Diploma course for an IB certificate

Grade Weighting

IB Standard Level SL (With several exceptions) and Honors courses are 1.05.

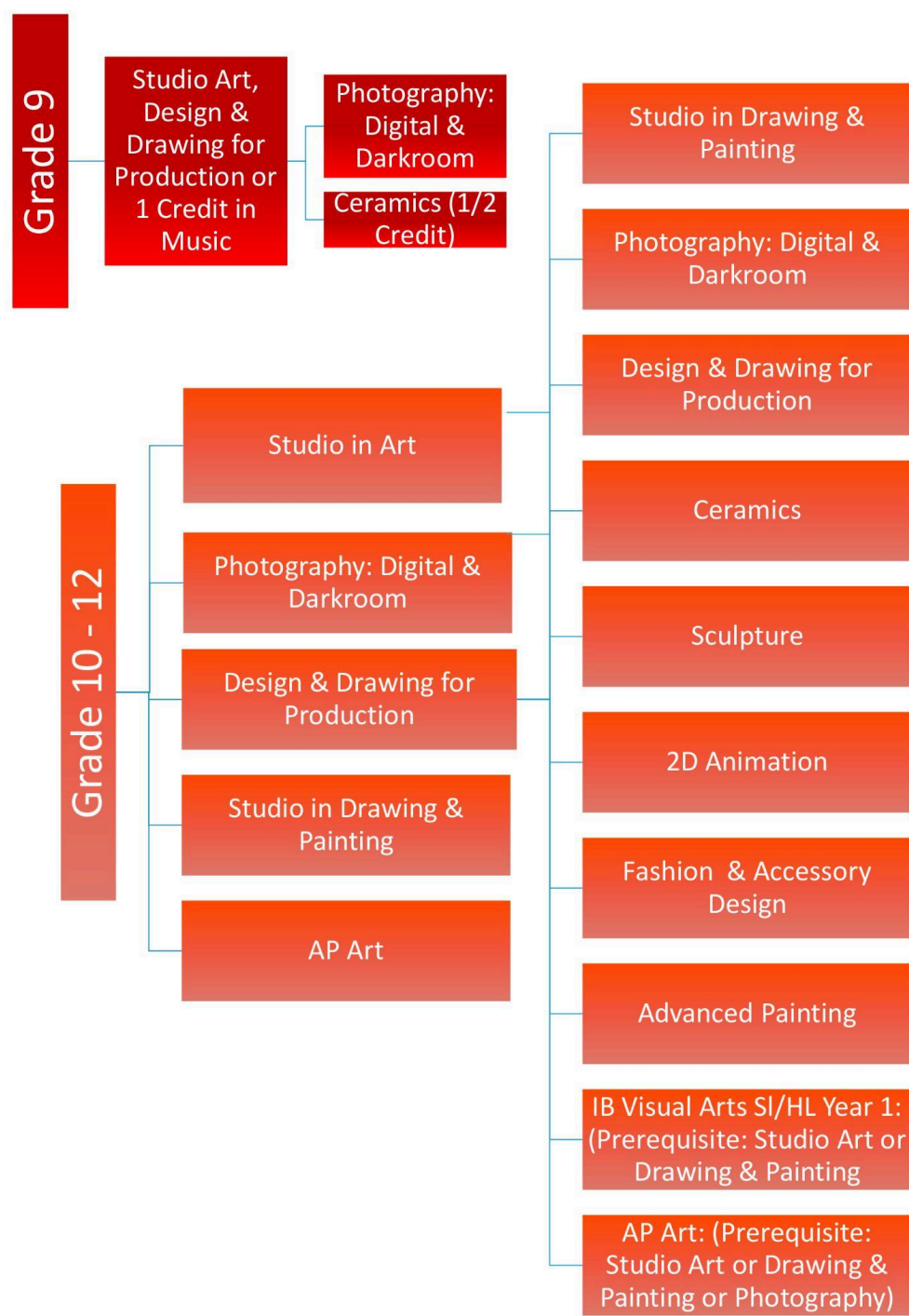
IB Higher Level HL courses and Advanced Placement classes are 1.1

Grade Weighting- IB Courses:			
11th Grade:		12th Grade:	
IB English SL Year 1	1.05	IB English SL Year 2	1.05
IB English HL Year 1	1.1	IB English HL Year 2	1.1
IB Film HL Year 1	1.1	IB Film HL Year 2	1.1
IB Theory of Knowledge Year 1	1.05	IB Theory of Knowledge Year 2	1.05
IB History of the Americas HL	1.1	IB World Topics HL	1.1
		IB World Topics SL	1.05
IB Psychology SL	1.05	IB Psychology SL	1.05
IB Psychology HL Year 1	1.1	IB Psychology HL Year 2	1.1
IB Math SL Year 1	1.1	IB Math SL Year 2	1.1
IB Environmental Systems and Societies SL	1.1	IB Environmental Systems and Societies SL	1.1
IB Physics SL	1.1	IB Physics SL	1.1
		IB Chemistry SL	1.1
IB Biology SL	1.1	IB Biology SL	1.1
IB Sports Exercise and Health Science SL	1.1	IB Sports Exercise and Health Science SL	1.1
IB Spanish SL Year 1	1.05	IB Spanish SL Year 2	1.05
IB French AB Initio SL Year 1	1.05	IB French AB Initio SL Year 2	1.05
IB Mandarin AB Initio SL Year 1	1.05	IB Mandarin AB Initio SL Year 2	1.05
IB Visual Arts SL Year 1	1.05	IB Visual Arts SL Year 2	1.05
IB Visual Arts HL Year 1	1.1	IB Visual Arts HL Year 2	1.1
IB Music SL Year 1	1.05	IB Music SL Year 2	1.05
IB Music HL Year 1	1.1	IB Music HL Year 2	1.1
IB Dance SL Year 1	1.05	IB Dance SL Year 2	1.05

IB Dance HL Year 1	1.1	IB Dance HL Year 2	1.11
IB Business SL	1.05	IB Business SL	1.05
IB Computer Science SL Year 1	1.05	IB Computer Science SL Year 1	1.05
IB Computer Science HL Year 1	1.1	IB Computer Science HL Year 2	1.1
IB Design Technology SL Year 1	1.05	IB Design Technology SL Year 2	1.05
IB Design Technology HL Year 1	1.01	IB Design Technology HL Year 2	1.01

Putnam Valley High School COURSE OFFERINGS

ART



Students who satisfy the Arts Credit with Music can still participate in AP Art with some additional course experience.

Course Name: Studio in Art

Credit: 1

Prerequisite: None

Grades: 9-12

This course is designed for students who are planning to major in art as well as those taking a non-art sequence and fulfills the NYS art requirement for graduation. It is an introduction to a variety of media and techniques in areas such as drawing, printmaking, glass, painting, photography, sculpture, ceramics, and/or mosaics. This full year foundational course is required for some advanced art electives.

Studio in Art Project Examples:



Course Name: Design and Drawing for Production

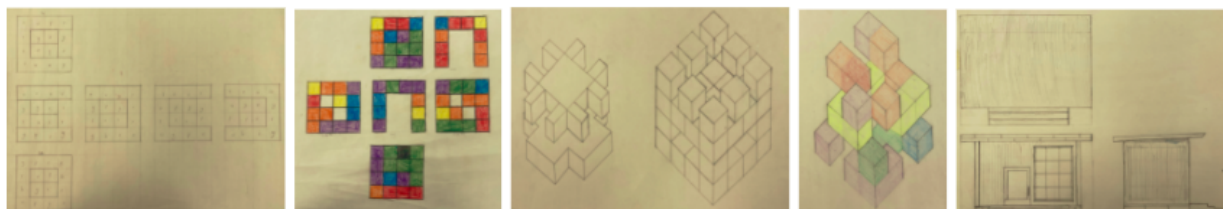
Credit: 1

Prerequisite: None

Grades: 9-12

This full-year, one credit course presents students with the basic skills and techniques used in the drafting profession, such as engineering, architecture and industrial design. Students will complete a series of drawings and projects, which will enable them to visualize objects in two and three dimensions, cultivate imagination, think precisely, and understand the language of the industry. Instruction will take place in both the Art classroom and the “Maker Space” to produce their individual design. This course fulfills the New York State Art requirement for graduation.

Design & Drawing for Production Project Examples:



Course Name: Studio in Drawing & Painting

Credit: 1

Prerequisite: Studio in Art or permission of the instructor

Grades: 10-12

The techniques learned in this course will help both the novice and skilled artist improve their abilities to draw and paint. Throughout the year students will learn the five key skills to make their drawings look more realistic. As students progress throughout the year, their work will focus on self-expression and experimentation using a wide variety of drawing and painting media. This course is excellent for building a college portfolio.

Studio in Drawing & Painting Project Examples:



Course Name: Photography: Digital and Darkroom

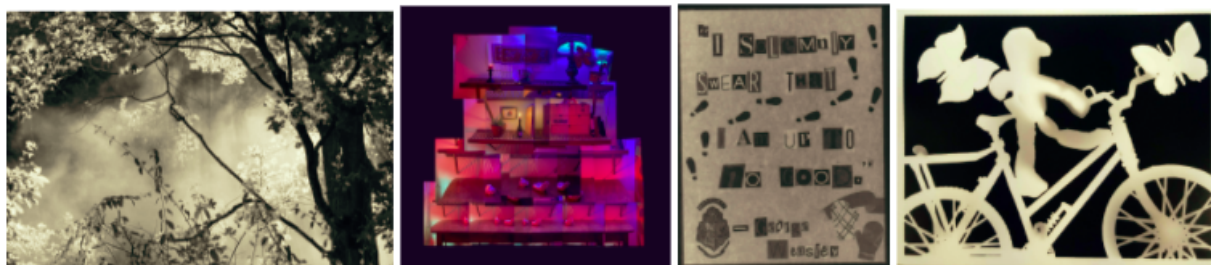
Credit: 1

Prerequisite: None

Grades: 9-12

This full-year course is ideal for all art majors as well as for those students taking a non-art sequence. This introductory course is designed to teach all aspects of digital photography and the fundamental skills of black and white darkroom photography. This course will explore taking and manipulating digital photographs using various Adobe programs such as Lightroom and Photoshop. Students will also learn to develop prints in a darkroom. Practicing and perfecting a variety of darkroom processes and techniques. This course can be taken multiple times by students, with each new enrollment students will build on their previous skills and knowledge.

Photography: Darkroom & Digital Project Examples:



Course Name: Studio in Advanced Art *(Not offered in 2023-2024)*
Credit: 1
Prerequisite: Studio in Art, Studio in Drawing & Painting or Studio in 3D Arts
Grades: 10-12

In this class students will take Art to a new level. This is your opportunity to advance in whatever type of media you enjoy, painting, drawing, sculpture, printmaking, collage, mixed media, ceramics, etc. You can also explore new Art techniques and materials. Through an exploration of ideas and media, students will generate Artwork that represents their individual interests. Throughout the year-long class, students will self-select to work individually or in groups on small or large scale projects.

Studio in Advanced Art Project Examples:



Course Name: Ceramics
Credit: ½
Prerequisite: None, Course can be taken multiple times
Grades: 10-12

Ceramics is an exploration of clay building techniques. In this course you will learn how to create wheel-thrown pottery, hand building and glazing techniques. Students will create both functional and decorative ceramic art. This course can be taken multiple times by students; with each new enrollment students will build on their previous skills and knowledge.

Ceramics Project Examples:



Course Name: Sculpture

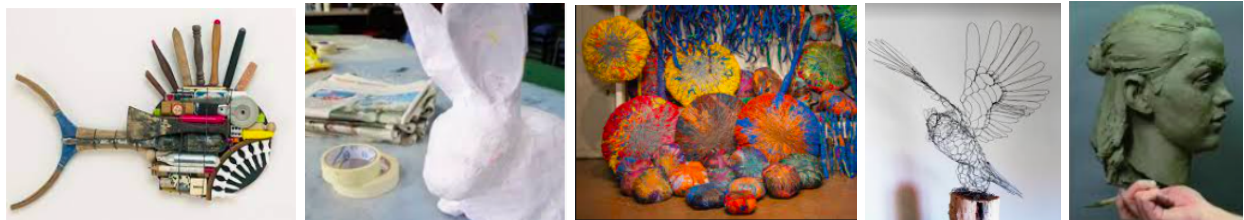
Credit: 1/2

Grades: 10-12

Prerequisite: None, Course can be taken multiple times

In this half-year sculpture course you will learn how to create three dimensional art pieces, using a variety of materials and techniques. Materials may include, but are not limited to, paper, fibers, fabrics, clay, papier-mache, wire, and found-objects. This course can be taken multiple times by students, with each new enrollment students will build on their previous skills and knowledge.

Sculpture Project Examples:



Course Name: 2D Animation

Credit: 1/2

Grades: 10-12

Prerequisite: Studio in Art, Studio in Drawing & Painting or by permission of the Instructor, Course can be taken multiple times

Are you interested in writing and illustrating your own Graphic Novel or Story? Do you want to draw characters for an existing story? Then this half-year course is for you. In this course you will learn how to apply the Elements of Art and Principles of Design to graphic storytelling. You will learn about layout and typography and create a visual story of your own. This course can be taken multiple times by students, with each new enrollment students will build on their previous skills and knowledge.

Project Examples:



Course Name: Fashion & Accessory Design

Credit: 1/2

Grades: 10-12

Prerequisite: Studio in Art, Studio in Drawing & Painting *or* by permission of the instructor, Course can be taken multiple times

This half-year course is designed to introduce students to design as it relates to fashion and accessories, such as sneakers, handbags, textiles and clothing. Students will learn some general design principles and apply them to their own chosen specialty area. This is a great opportunity to build a portfolio for college applications for students interested in fashion design. This course can be taken multiple times by students, with each new enrollment students will build on their previous skills and knowledge.

Project Examples:



Course Name: Advanced Painting

Credit: 1/2

Grades: 10-12

Prerequisite: Studio in Art, Studio in Drawing & Painting *or* by permission of the instructor

In this half-year course you will learn advanced painting techniques in a variety of media such as acrylic, gouache, watercolor and pastel. Students will build upon their previous knowledge and explore a variety of innovative media and techniques. This course can be taken multiple times by students, with each new enrollment students will build on their previous skills and knowledge.

Project Examples:



Course Name: IB Visual Arts SL/HL - Year 1

Credit: 1

Prerequisite: Studio in Drawing and Painting, Studio in Graphic Arts, Studio in Advanced Art, Studio in 3D Arts and/or by Permission of the Instructor

Grades: 11

This is the first year of a two-year program, submissions for grade consideration from IB occur during the second year. This course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop skills in creative problem-solving while working towards mastering Art media and developing confidence in their art-making. IB Visual Arts will allow students to develop a comprehensive portfolio of student work. Students can expect to work with a variety of artistic mediums including, drawing, painting, printmaking, mixed media, digital media and sculpture.

Course Name: IB Visual Arts SL/HL - Year 2

Credit: 1

Prerequisite: IB Visual Arts SL/HL - Year 1

Grades: 12

This is the second year of a two-year program, submissions for grade consideration from IB occur in the Spring of the year. This course encourages students to challenge their own creative and cultural expectations and boundaries. It is a thought-provoking course in which students develop skills in creative problem-solving while working towards mastering Art media and developing confidence in their art-making. IB Visual Arts will allow students to develop a comprehensive portfolio of student work. Students can expect to work with a variety of artistic mediums including, drawing, painting, printmaking, mixed media, digital media and sculpture.

Course Name: AP Art & Design

Credit: 1

Prerequisite: Studio in Art, Studio in Drawing and Painting, Studio in Advanced Art, and/or by Permission of the Instructor

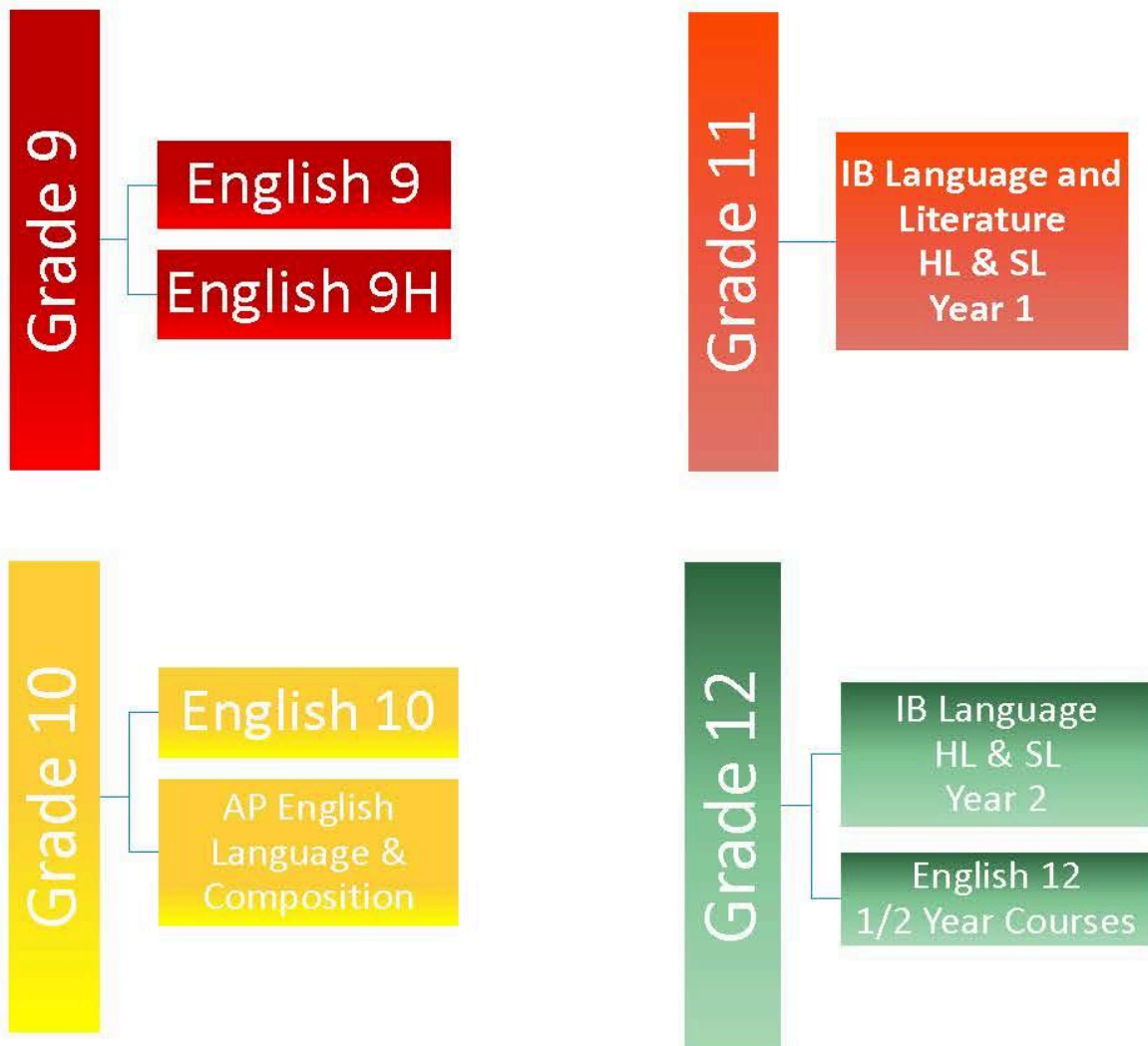
Grades: 11 or 12

“Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.”

(<https://apcentral.collegeboard.org/pdf/ap-art-and-design-course-and-exam-description-1.pdf>)

ENGLISH LANGUAGE ARTS

All students must successfully complete four units of English.



Course Name: English 9
Credit: 1
Prerequisite: None
Grades: 9

English 9 centers on students developing in-depth approaches to reading and responding to literature. Readings explore such themes as self-discovery, challenges, and mystery. In a focus on four literary genres—short stories, novels, plays, and poems—students express their own personal reactions to literature and topics relating to values and morals developed by various authors. They are required to write extensively in journals and to participate actively in class discussions. Outside of class, students are assigned novels and other literary works in a variety of creative, descriptive, narrative,

persuasive, and expository modes. Grammar and punctuation skills are reinforced in the students' writing and speaking. The emphasis is on the writing process through journal writing as well as prewriting (drafting), revising, and final editing of compositions on computers.

Speaking is also a key part of the English program for the ninth grade. Students are asked to participate in discussions in small groups as well as in the class as a whole. Besides understanding the meaning and structure of the four literary genres, mastering vocabulary is stressed. In short, students work on developing a sound academic basis for high school and college. It is a course that strives to address academic and personal needs in a challenging and thoughtful manner. *NCAA Approved Course*

Course Name: Writing 9

Credit: ½

Prerequisite: None

Grades: 9

In this writing intensive course students will meet to develop and to improve the basic foundations of writing. Grammar and usage will be a focus as students build upon previous knowledge. The course will function as both a source of Academic Intervention Service as well as class for students to bolster their writing and reading skills. The class will work to help students succeed as writers in all of their learning. Students will earn a ½ credit for successfully passing the graded course.

Course Name: English 9 Honors

Credit: 1

Grades: 9

The Honors class follows the same syllabus as the Regents-level course. Students will be asked to read additional literature. There is a greater emphasis on student demonstration of the depth of their understanding and knowledge. *NCAA Approved Course*

Course Name: English 10

Credit: 1

Prerequisite: None

Grades: 10

Students will continue to refine their knowledge of literature by reading novels, short stories, plays and poetry. The literature read in and out of class will be used as a basis for writing assignments. This course continues to emphasize work in vocabulary, grammar skills and research. Students will continue to write extensively in journals. Students will be expected to participate in class discussions. *NCAA Approved Course*

Course Name: **Advanced Placement English Language and Composition**
Credit: **1**
Grades: **10**

Intensive reading, writing, and critical discussions are fundamental to this course. Students should be prepared to write analytical and persuasive essays. This challenging course works to explore the role that language plays in shaping the mindset and culture of our society. By studying a range of fascinating and brilliant texts, the class will gain insight into how these works are created and how they reveal an understanding of the times in which they were written and read. Students enrolled in AP Language and Composition will take the Advanced Placement examination. *NCAA Approved Course*

Course Name: **IB Language and Literature (HL and SL) - Year 1 & Year 2**
Credit: **1**
Grades: **11 & 12**

Language A: Language and Literature is a two year course. The study of the texts produced in a language is central to an active engagement with language and culture and, by extension, to how we see and understand the world in which we live. A key aim of this course is to question the meaning generated by language and texts, which, it can be argued, is rarely straightforward and unambiguous. The course also aims to develop skills of textual analysis and the understanding that texts, both literary and non-literary, can be seen as autonomous yet simultaneously related to culturally determined reading practices.

The Language A: Language and Literature course does not limit the study of texts to the products of one culture or of the cultures covered by any one language. The study of literature in translation from other cultures is especially important to IB Diploma Programme students because it contributes to a global perspective, thereby promoting an insight into, and understanding of, the different ways in which cultures influence and shape the experiences of life common to all humanity.

Distinction between SL and HL: The model for the course is the same at SL and HL, but there are significant quantitative and qualitative differences between the levels. In the literature sections the number of texts prescribed is greater at HL than at SL. In the language sections students are generally expected to cover many more texts of all kinds at HL than at SL. Source: IB Language A: language and literature grade. *NCAA Approved Course*

Course Name: **IB Film HL - Year 1 & Year 2**
Credit: **1**
Grades: **11-12**

IB Film aims to develop students as proficient interpreters and makers of film texts. Through the study and analysis of film texts, and practical exercises in film production, students develop critical abilities and appreciation of artistic, cultural, historical and

global perspectives in film. We will be analyzing concepts, theories, practices and ideas from multiple perspectives, challenging our own views in order to gain a more global perspective. By experimenting with film and multimedia technology, we will acquire the skills and creative competencies required to successfully communicate through the artistic medium. We will also be developing our artistic voices and learning how to express personal perspectives through film. The course emphasizes the importance of working collaboratively, international and intercultural dynamics, and an appreciation of the development of film across time and culture.

Course Name: English 12: DCC Humanities/ American Experience

Credit: 1 (½ credit in English 12, ½ credit)

Prerequisite: Participation in Government requirement

Grades: 12

This interdisciplinary course studies some of the fascinating aspects that make up “American Ideals.” This unique class is team-taught by an English teacher and a Social Studies teacher and examines major events in history in an attempt to unweave the fabric of the American System to gain a better understanding. Starting with the American Revolution and our founding documents, the course makes stops at the Civil War, the Industrial Revolution before jumping into the 1950s and 1960s where we will examine the Cold War, the Cuban Missile Crisis, the Vietnam War, and the Civil Rights Movement. These key events that we study revolutionized the way our society functions. The course also studies the influence and interaction of government and media in our society. This course is designed to encourage the development of civic-minded individuals by making connections between history and current events. We read a variety of literary texts, music, documentaries, film and historical texts in order to illuminate the intriguing subjects we study. Students will engage in various debates, mock legislation, round table discussions and many other fun activities. The course offers a chance for students to get college credit through Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

The following courses are elective classes.

Course Name: Creative Writing

Credit: ½

Grades: 9-12

Did you ever wish you had said something differently in a situation? Have you ever daydreamed and wished that the dream was real? Well, writers get to create conversations they want to take place, and worlds that they wished existed.

This course will be comprised of the reading and writing of creative fiction. Students will read, write, and listen to short stories, poetry, screenplays, podcasts, and creative essays. Students will analyze longer works of fiction and film in order to understand how writers create their craft. The course will work to expand and improve the imagination and writing skills of the students in the class. This is a course for students who love to read and write, and a course for those who hope to one day love to read and write. The course offers two tiers for those committed and dedicated to writing creatively. The first tier explores foundations of literary fiction, non-fiction, and various creative media, and the second tier will focus on the development of longer pieces as well as committing to an independent project, all with the aim of publishing work. *NCAA Approved Course*

Course Name: Critical Thinking: Literacy & Math

Credit: ½

Prerequisite: None

Grades: 11

This course meets every other day to study mathematics and every other day to study English. A major emphasis will be placed on skills to help improve student performance on all parts of the SAT examination. Students will improve on their critical thinking skills while familiarizing themselves with strategies that will assist them in the SAT examination. A portion of the course will be focused on independent studies in literature for the English component and real world financial applications for the math component.

Course Name: The Hero's Journey in Literature and Film

Credit: ½

Prerequisite: None

Grades: 10-12

This course seeks to create an awareness of the role of the hero in our lives. An exploration of the common experiences every hero must endure in order to become a central character is key to understanding the connections between television and movies to the great works of literature to the experiences in our own lives. According to Joseph Campbell, the Hero's Journey is not just a pattern from myth--it is a pattern of life that *all* humans experience. To understand this pattern, a study will be made of Campbell's *The Hero With a Thousand Faces* and Carl Jung's *Hero Archetype and the Collective Unconscious*, *The Epic of Gilgamesh*, *Jason and the Golden Fleece*, *Beowulf*, *King Arthur* and films such as *Star Wars*, *The Wizard of Oz*, *Spiderman*, *Batman*, and *Finding Nemo*. *Major questions to be addressed in the course are: Why do we need heroes? How do heroes reflect the values of his/her society? What are the patterns present in the hero's journey? What is the meaning of "the journey"?* *NCAA Approved Course*

Course Name: Horror & the Supernatural

Credit: ½

Grades: 10-12

Stories that deal with horrifying events, supernatural beings, and the unknown are created for more than a simple fright. Through these stories, readers can analyze the fears of a culture, a generation of humanity itself. In this course, we will take a critical look at the horror genre in order to answer the following questions: How does fear affect how we live our lives? What can these stories tell us about ourselves? Our society? Our species? Our fears? How do the fears of a generation influence the horror stories of that time period? Where are the lines of good and evil drawn in these texts?

Authors include: Stephen King, Bram Stoker, Mary Shelley, Ann Radcliffe, Dean Koontz, Edgar Allan Poe, H.P. Lovecraft, Shirley Jackson and many more. *NCAA Approved Course*

Course Name: Mythology and Fairy Tales- An Introduction

Credit: ½

Prerequisite: None

Grades: 9-12

This course will be broken up into two parts: The first quarter will be a study of Greek and Roman Myths and the second quarter will focus on Fairy Tales.

Part 1: Mythology: Myths played an important role in the lives of ancient people and they continue to affect our own lives, as the themes present in mythology are timeless. This class attempts to answer the questions:

Part 2: Fairy Tales - “Once Upon a Time”: Many of us remember the fairy tales that we heard when we were children or remember seeing the film versions of these beloved tales come to life in Disney movies. However, do we know the history and meaning behind these tales? This course will take a psychological approach to the fairy tales we have come to know and love as well as a cultural perspective to offer a newer, deeper meaning. *NCAA Approved Course*

Course Name: Presentation and Public Speaking

Credit: ½

Prerequisite: None

Grades: 9-12

This course focuses on the art of the presentation and of conquering the feeling of “stage fright”. The course is writing intensive and requires students to write and present formal speeches as well as delve into the future of this genre including using Powerpoints, videos, Podcasts, and other media. Students will be provided with models in the form of guest speakers, sample presentations, and historical examples. *NCAA Approved Course*

Course Name: Psychology & Literature

Credit: ½

Prerequisite: None

Grades: 10-12

Are you interested in what makes people behave the way they do? Have you ever wondered why people make the decisions that they do? This interdisciplinary course examines human behavior as seen through the lens of psychology and literature in the context of novels, plays, short stories, fairy tales, and non-fiction. Students will become familiar with psychological theories and illnesses as well as different aspects of mental health in the context of history, literature, and contemporary issues. Works by authors: Khaled Hosseini, Anne Tyler, Susanna Kaysen, and Joyce Carol Oates may be studied from the perspective of psychologists: Sigmund Freud, Eric Erickson, and Carl Jung as a way to interpret and analyze human behavior, development, and personality. Film selections will allow students the opportunity for in-depth analysis of characters' psyches.
NCAA Approved Course

Course Name: Television Production

Credit: ½

Grades: 9-12

Media Production aims to simulate a real-world media production environment. ***The 9th Show*** is our High School News Program and we aim to keep a pulse on the day to day goings on in the Valley. Over the course of the semester, you will hold a variety of jobs: Producer, Director, Reporter, Camera Operator, Technical Director, Editor and Scriptwriter. Most importantly, you will be trained on all of the high tech equipment in our first rate TV Studio.

Course Name: Theory of Knowledge

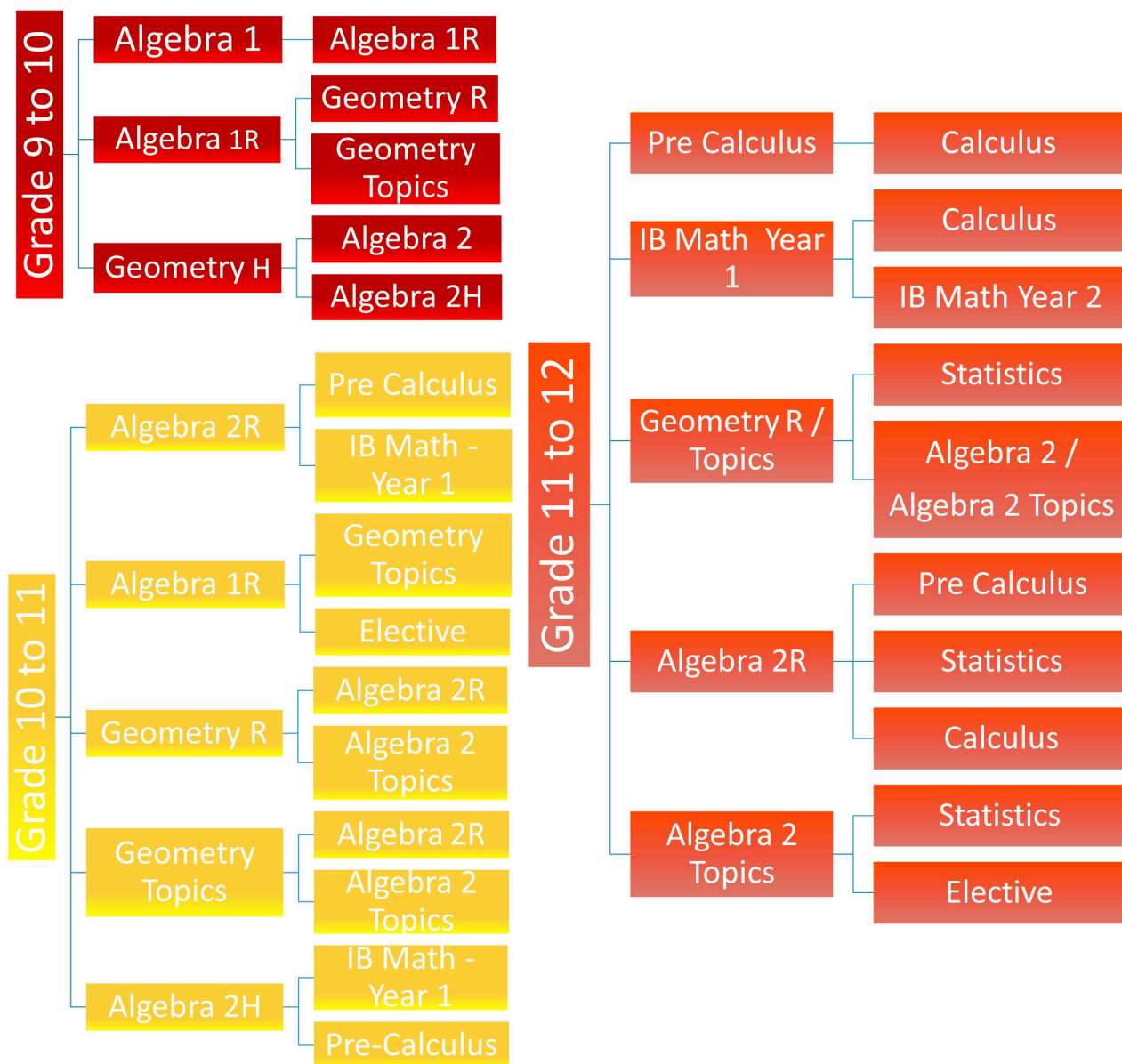
Credit: ½

Grades: 11-12

How do you know? This course explores the concept, uses, and applications of knowledge. What qualifies as knowledge? How does it increase? What are its limits? Who owns it? What is the value of knowledge? What are the implications of having...or not having, knowledge? This course encourages critical thinking about knowledge itself, uniting all academic areas and encouraging appreciation of other cultural perspectives. Course activities and discussions are designed to help discover and express views on knowledge issues, share ideas, and to listen/learn from what others think. Connections will be made between knowledge encountered in other subject areas and across cultural domains. Students will be challenged and encouraged to discover fascination with the richness of knowledge as a human endeavor and realize the empowerment that follows from reflecting upon it.

MATHEMATICS

All students must successfully complete a minimum of 3 units of Mathematics.



Course Name: Algebra 1

Credit: 1

Grades: 9

This course focuses on foundational algebra skills. Topics include numeration, operations of monomials and polynomials, solving equations, the real number system, and quadratic functions. A special emphasis will be placed on enhanced technology and dynamic software. This course culminates in a final exam. *NCAA Approved Course .75*

Course Name: Algebra 1R
Credit: 1
Grades: 9-10

The principle strand of this course is algebra and its applications. Topics include solving first and second-degree equations, linear, exponential and quadratic functions and their applications, systems of equations, statistics and data, and operations on polynomials. The NYS Algebra 1 Regents will be administered in June. *NCAA Approved Course*

Course Name: Geometry Topics
Credit: 1
Grades: 10-12
Prerequisite: Algebra

This course in Geometry uses manipulatives and dynamic geometry software to allow students to investigate, justify, and apply geometric relationships. Both formal and informal proofs are used to explain reasoning. Topics of study include congruence and rigid motions, constructions, similarity transformations, trigonometry and right triangles, circles, expressing geometric properties with equations, geometric measurement and dimension, and modeling with geometry. This course culminates in a final exam. *NCAA Approved Course .75*

Course Name: Geometry R
Credit: 1
Grades: 9-11
Prerequisite: Algebra 1R and teacher recommendation

The principle strand of this course is geometry and its applications. Topics include Euclidean and coordinate geometry, similarity, right triangle relationships, geometry of quadrilaterals, transformations, locus, and geometry of the circle. This course culminates in a final exam. *NCAA Approved Course*

Course Name: Geometry H
Credit: 1
Grades: 9-11
PreRequisite: Successful Completion of Algebra 1R

This is a challenging honors level geometry course. Topics include Euclidean and coordinate geometry, similarity, right triangle relationships, geometry of quadrilaterals, transformations, locus, geometry of the circle, and conic sections. The NYS Geometry Regents will be given in June. Students who successfully complete this course with a final average of 85 or higher will enroll in Algebra 2 and Trigonometry H; others will enroll in Algebra 2 and Trigonometry R. *NCAA Approved Course*

Course Name: Algebra 2 R

Credit: 1

Grades: 10-12

Prerequisite: Geometry R and teacher recommendation

Algebra 2 will be offered as a one year course culminating in a final exam. The principle strand of this course is advanced algebra and its applications. Topics include polynomial, rational, exponential, logarithmic, and trigonometric functions. An emphasis will be placed on modeling functions and making inferences based on data. *NCAA Approved Course*

Course Name: Algebra 2 Topics

Credit: 1

Grades: 11-12

Prerequisite: Geometry

Algebra 2 will be offered as a one year course culminating in a final exam. Students will enhance their analytical skills through visualization and technology. Topics include polynomials, exponential functions, logarithmic functions, rational expressions, and radical relationships. Algebra 2 will also include an exploratory investigation of functions in topics that include linear, quadratic, square root, absolute value, statistics, and probability.

Course Name: Algebra 2 H

Credit: 1

Grades: 10-11

This challenging honors level mathematics course focuses on advanced algebra and its applications. Topics include operations on polynomials, exponential, logarithmic, and trigonometric functions, probability and statistics, and an introduction to calculus. Mathematical modeling is then used to apply these topics to real life experiences. The Algebra 2 Regents will be given in June. *NCAA Approved Course*

Course Name: College Statistics

Credit: 1

Grades: 11-12

Prerequisite: Successful completion of the NYS Algebra Examination and three credits of high school mathematics

Statistics is a college level introductory statistics course. Students will learn how to collect, analyze, interpret, and draw conclusions from data. The topics presented include exploring data describing patterns and departure from patterns, sampling and experimentation, exploring random phenomena using probability and simulation, and estimating population parameters and testing hypotheses. Students who successfully complete this course will receive 3 credits from Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

Course Name: College Precalculus
Credit: 1
Grades: 11-12
Prerequisite: Completion of Algebra 2 and Trigonometry R and passing the NYS Algebra 2/Trigonometry Regents examination

This course continues the integration of topics studied in earlier math courses. Topics include polynomial, rational, exponential, logarithmic, trigonometric, polar, and parametric functions, matrices, sequences and series, probability and statistics, and conic sections. Mathematical modeling is then used to apply these topics to real life experiences. A departmental examination will be given in June. Students who successfully complete this course will receive 3 credits from Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

Course Name: College Calculus
Credit: 1
Grades: 12
Prerequisite: Successful completion of Pre-Calculus course

This Calculus class is comparable to calculus courses in colleges and universities. The Calculus curriculum includes a rigorous study of functions, graphs, limits, derivatives, integrals, and their applications. Graphing utility technology is an important component of the course. Students who successfully complete this course will receive 4 credits from Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

Course Name: IB Mathematics – Analysis & Approaches – Year 1
Credit: 1
Grades: 11-12
Prerequisite: Algebra 2

This is year 1 of a 2-year course that focuses on introducing important mathematical concepts through the development of mathematical techniques. Topics include Numbers and Algebra, Functions, Trigonometry and Geometry, and Advanced Algebra. A departmental exam will be administered at the end of the year. Students who successfully complete this course will receive 4 credits from Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

Course Name: IB Mathematics – Analysis & Approaches – Year 2
Credit: 1
Grades: 12
Prerequisite: Analysis & Approaches – Year 1

This is year 2 of Analysis & Approaches. Topics include detailed explorations of probability, statistics, differential calculus, integral calculus, and the applications of all of these topics. An international exam will be administered in May. Students will also be required to do a mathematical exploration as an internal assessment. Students who successfully complete this course will receive 4 credits from Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

Course Name: Mathematics for Personal Finance
Credit: 1
Grades: 11-12
Prerequisite: 2 credits of HS mathematics and successful completion of the Algebra Examination

This course will prepare students for real-world situations both in financial matters for college and beyond. Topics to be studied include payroll, budget, savings, credit/debit, identity theft, car buying/leasing, loans/mortgages, insurance, and various forms of investments such as stocks and bonds. This course is an elective for seniors.

Course Name: Principles of Engineering
Credit: 1
Grades: 10-12
Prerequisite: 2 credits of HS mathematics and successful completion of the NYS Algebra Examination

Principles of Engineering is a hands-on course demonstrating how different forms of engineering exist in our world. Themes covered in this course include but are not limited to energy, robotics, structures and shelters, and motion and flight. Assessments will be through projects, presentations, reports, and competitions. Working cooperatively with different people is a must.

Course Name: Math Applications
Credit: $\frac{1}{2}$
Grades: 12
Prerequisite: One credit in Algebra 1 & one credit (or enrolled) in Geometry

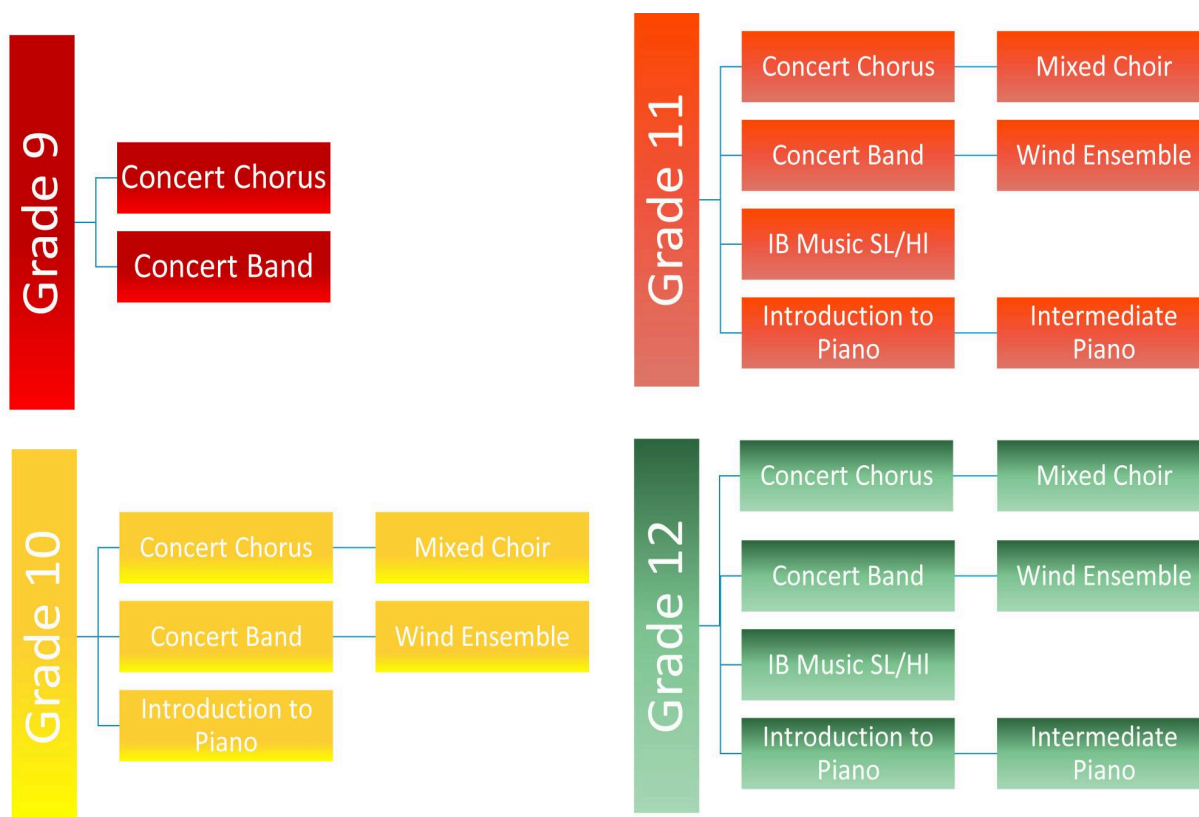
This elective class for seniors continues the integration of algebra into higher-level mathematics. The course will prepare students for real-world financial matters for college and beyond. Topics to be studied include the college loan process, types of banking accounts, the mortgage process, credit/credit debt, car buying/leasing, the investment world, and the power of compound interest.

The following courses are elective classes and cannot be used to meet the graduation requirement of three years of Mathematics.

Course Name: Critical Thinking: Literacy & Math
Credit: $\frac{1}{2}$
Grades: 11
Prerequisite: None

This course meets every other day to study mathematics and every other day to study English. A major emphasis will be placed on skills to help improve student performance on all parts of the SAT examination. Students will improve their critical thinking skills while familiarizing themselves with strategies that will assist them in the SAT examination. A portion of the course will be focused on independent studies in literature for the English component and real world financial applications for the math component.

MUSIC



Course Name: Concert Band

Credit: 1

Prerequisite: Previous ensemble experience & formal/school instrumental instruction

Grades: 9-12

This ensemble offers musical opportunities to students who play woodwind, brass, and percussion instruments. This ensemble accommodates all students who seek an ensemble that both studies and performs moderately difficult literature encompassing diverse musical styles and periods. There are two public performances per year, in addition to various performances at other venues and music festivals.

Course Name: Wind Ensemble

Credit: 1

Prerequisite: NYSSMA solo rating (level V-VI) and/or permission of the Instructor

Grades: 10-12

This ensemble offers more advanced performing opportunities to students who play woodwind, brass, and percussion instruments. The ensemble accommodates all students who seek a more advanced and challenging ensemble that both studies and performs difficult literature encompassing diverse musical styles and periods. There are two public performances per year, in addition to various performances at other venues and music festivals.

Course Name: Concert Chorus

Credit: 1

Grades: 9-12

This non-auditioned ensemble is open to any student, freshman through senior, interested in advancing skills as an individual vocalist and a vocal ensemble member. There are three public performances each year, in addition to various performances at other venues.

Course Name: Mixed Choir

Credit: 1

Prerequisite

for Audition: One year of chorus & permission from Instructor

Grades: 10-12

This ensemble is an auditioned choir open to sophomores, juniors and seniors who have previously taken at least one full year of chorus within the last three years and wish to explore and/or advance their skills as choral participants. Auditions for this ensemble will take place in the second semester of the previous year. As the select ensemble in the choral sequence, members will be exposed to music in 4-8 parts, more advanced repertoire, and increasingly varied choral performance styles. There are three public performances per year, various performances at other venues, as well as participation in choral festivals and/or competitions.

Course Name: Piano

Credit: ½

Grades: 10-12

Introduction to Piano fosters skills and knowledge in piano through the use of performance, basic music theory, listening to piano performance, and the history of piano performance. Individualized instruction will cater to previous levels of experience. In addition to performing alone and with others, elements of instruction will include: proper technique, reading music notation, composing and improvising, evaluating music performance, and understanding relationships between music and culture.

Students taking Intermediate Piano will be co-seated with Introduction to Piano. Intermediate Piano offers more advanced levels of instruction and piano performance, built upon the skills and knowledge obtained during Introduction to Piano. The prerequisite for Intermediate Piano is the successful completion of Introduction to Piano, or by special permission from the instructor.

Course Name: IB Music SI/HL - Year 1 and Year 2

Credit: 1

Grades: 11-12

IB Music is a college-level music course. This course is open to all 11 and 12-grade students interested in learning more about music theory, history, and composition. All students entering into year 1 IB music should take this course in addition to all year 2 IB music students (HL and SL). Students should be prepared to be stretched both intellectually and musically throughout the process. Through the course of two years, students develop their knowledge and potential as musicians, both personally and collaboratively. Involving aspects of the composition, performance and critical analysis of music, this course exposes students to forms, styles, and functions of music from a wide range of historical and socio-cultural contexts. Students create, participate in, and reflect upon music from their own background and those of others. They develop practical and communicative skills which provide them with the opportunity to engage in music for further study, as well as for lifetime enjoyment. In Year One, students will largely focus on developing skills and knowledge while in Year Two the focus will shift to preparations of exam materials and requirements as detailed by the IB Program.

Course Name: IB Dance SI/HL Year 1

Credit: 1

Grades: 11-12

The IB DP dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. This orientation facilitates the development of students who may become choreographers, dance scholars, performers or those, more broadly, who seek life enrichment through dance. In addition, the course enables students to:

- understand dance as a set of practices with their own histories and theories, and to understand that these practices integrate physical, intellectual and emotional knowledge
- experience dance as an individual and collective exploration of the expressive possibilities of bodily movement
- understand and appreciate mastery in various dance styles, traditions and cultures familiar and unfamiliar
- recognize and use dance to create dialogue among the various traditions and cultures in their school environment, their society and the world at large.

PHYSICAL EDUCATION & HEALTH

All students must successfully complete 2 units of Physical Education and 1/2 units of Health.

Course Name: **Physical Education or Adapted Physical Education**

Credit: $\frac{1}{2}$

Grades: **9-12**

All students are required to take and satisfactorily complete Physical Education in order to meet New York State Education Department's requirements. A student must earn two credits in Physical Education to satisfy graduation requirements. This is accomplished by taking Physical Education for each semester of the four years of high school. Each semester, a student must attend Physical Education and/or Adapted Physical Education and/or be entered into a medical contract. A written medical contract must exist any time a student cannot perform in the regular or adapted program. Specific details may be secured from the Physical Education Department.

Course Name: **Health**

Credit: $\frac{1}{2}$

Grades: **9-12**

This course meets the New York State Health Education requirement for graduation. It examines the major health issues facing teenagers today. It will assist students in developing problem-solving and decision-making skills in health related matters.

Course name: **Strength and Conditioning**

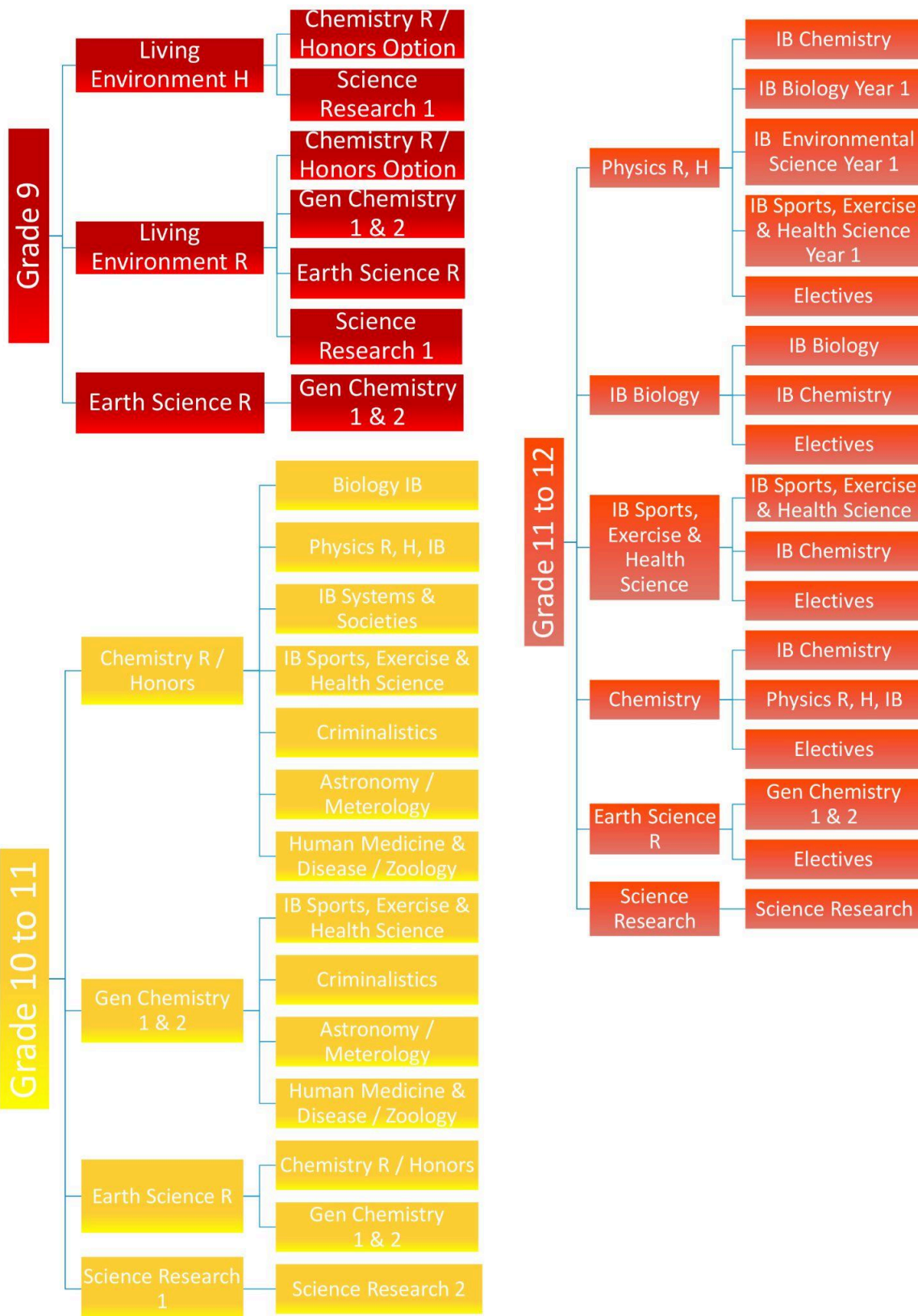
Credit: $\frac{1}{2}$

Grades: **10-12**

Strength & Conditioning is a combination of classroom, weight training and cardiovascular fitness activities. Students will take part in activities that will enhance cardiovascular fitness, muscular strength and endurance, flexibility and body composition. The benefits of exercise and its effect on the systems of the body will be introduced. The primary objectives of this course are to improve the health-related and skill-related components of fitness and to enable the student to make intelligent decisions regarding fitness program design and application. Classes will take place in the Weight Room, Track, and Wellness Center.

SCIENCE

All students must successfully complete a minimum of three units of science.



Course Name: Living Environment R

Credit: 1

Grades: 9

Prerequisite: None

The program of studies is outlined in the New York State Regents Core Guide for Living Environment. Major topics include: scientific attitudes and methods of experimental techniques, living and nonliving things, the organization of living things, animal and plant physiology, reproduction, genetics, the chemistry of living things, comparative anatomy, and ecological relationships. Students will learn to draw conclusions from inquiry-based laboratory experience and will also grow to appreciate the environment from direct study and research. It should be noted that students must successfully complete a minimum of 1200 minutes of laboratory activities, with satisfactory reports submitted, in order to meet the requirement for the Regents examination. At the conclusion of the course, the students will be required to take the New York State Regents Living Environment examination. *NCAA Approved Course*

Course Name: Living Environment H

Credit: 1

Grades: 9

The Honors class follows the same syllabus as the Regents-level class but with greater breadth of coverage. There is a greater emphasis on student demonstration of the depth of their knowledge. Students will take the Living Environment Regents in June. *NCAA Approved Course*

Course Name: Regents Chemistry with Honors Option

Credit: 1

Grades: 10-12

Prerequisite: Algebra 1R

This program of studies is outlined in the New York State Regents Core Guide for Chemistry. Students who opt to sign up for the Honors Option will also be responsible for the SAT II Chemistry material that is presented in class on quizzes and tests. Major topics include: atomic structure, the Periodic Table, chemical bonding, stoichiometry, physical and chemical properties, gas laws, acids and bases, chemical kinetics, electrochemistry, organic chemistry, and nuclear chemistry. Through the lectures and hands-on laboratory experiments, students will learn to use the principles of chemistry to think more intelligently about current issues on science and technology. The program also includes a variety of inquiry-based activities to develop and enhance the students' critical thinking skills. For successful completion of the course, students must accomplish stated learning objectives, complete approved laboratory assignments and take the Regents examination which serves as the final examination for the course. It should be noted that students must successfully complete a minimum of 1,200 minutes of laboratory activities with satisfactory reports submitted, in order to meet the requirement for the Regents examination. *NCAA Approved Course*

Course Name: Earth Science
Credit: 1
Grades: 10-12

Earth Science will follow the New York State Core Guide with strong emphasis upon conceptual understanding of terrestrial systems and mathematical models. The course is divided into three content areas: earth materials and processes, dynamics of the atmosphere, and planet Earth in the universe. These topics will be conveyed through laboratory experiences, student activities, lecture demonstrations, and audio-visual presentations. The syllabus encourages a student-centered problem-solving approach to earth science. Throughout the course of the year, students will grow to understand their dependence upon the earth, its finite resources and limited ability to recover from abuse. It should be noted that students must successfully complete a minimum of 1,200 minutes of laboratory activities with satisfactory reports submitted, in order to meet the requirement for the State Regents examination. At the conclusion of the course, the students will be required to take the New York State Regents examination in Earth Science. *NCAA Approved Course*

Course Name: Authentic Science Research
Credit: 1 (per year for 3 years)
Grades: 10-12
Prerequisite: 10th graders: Biology
11th graders: Took ASR in the 10th grade
12th graders: Took ASR in the 11th grade

Authentic Science Research is a three-year program that follows the University of Albany Science Research in the High School program. It provides students in their sophomore through senior years with the opportunity to conduct original research in the natural sciences. The course is directed to those students who wish to pursue excellence and progress into advanced areas of original research. Emphasis is on laboratory, field and bibliographic research. Students will enroll in this course at the start of their sophomore year and research a topic of interest. In their junior year students create and complete research in conjunction with a scientist/mentor involved in their research area. As seniors, students write a research paper and enter a variety of science research competitions.

Juniors and Seniors enrolled in Authentic Science Research may earn college credit through SUNY Albany: Intermediate Methods of Research (6 Credits – Junior Year) and Advanced Methods of Research (6 Credits – Senior Year). *NCAA Approved Course*

Course Name: General Chemistry
Credit: 1
Grades: 11-12

Chemistry Topics generally follows the Regents level Chemistry syllabus. Students do not take a Regents examination at the end of the course. Topics include, but are not limited to: measurement, matter and energy, atomic structure, nuclear chemistry, chemical bonding, nomenclature, and the periodic table. *NCAA Approved Course*

Course Name: Physics H
Credit: 1
Grades: 11-12
Prerequisite: Chemistry R or H
Corequisite: Algebra 2R

The program of studies is outlined in the New York State Regents Core Guide for Physics. This is a rigorous, mathematically oriented, laboratory science course designed for students who are interested in careers in science, engineering, and computers. Major topics include: mechanics, work and energy, electricity and magnetism, wave phenomena, and modern physics. This course will contribute to the development of the students' ability to think critically through classroom lectures, hands-on and inquiry-based laboratory experiments, and student research. For successful completion of the course, students must accomplish stated learning objectives, complete approved laboratory assignments and take the Regents examination which serves as the final examination for the course. It should be noted that students must successfully complete a minimum of 1,200 minutes of laboratory activities with satisfactory reports submitted, in order to meet the requirement for the Regents examination. *NCAA Approved Course*

Course name: IB Physics SL
Credit: 2 (1 each year)
Grades: 11-12
Prerequisite: Chemistry R or H

This course is the equivalent of a college physics course. Laboratory work is extensive and students utilize the techniques used at the college level. Primary emphasis is on developing an understanding of concepts. Topics include cellular mechanics, work and energy, electricity and magnetism, wave phenomena, and modern physics. **Students enrolled in this course must complete the internal assessment and external papers in May. Students will also have the option to take the AP exam in May after self-preparation. This is a 2-year course.** *NCAA Approved Course*

Course name: IB Physics HL (*Not offered in 2023-2024*)
Credit: 2 (1 each year)
Grades: 11-12
Prerequisite: Chemistry R or H

This course is the equivalent of a college physics course. Laboratory work is extensive and students utilize the techniques used at the college level. Primary emphasis is on developing an understanding of concepts. Topics include cellular mechanics, work and energy, electricity and magnetism, wave phenomena, and modern physics. HL level will go into more units and require more from the students than SL. **Students enrolled in this course must complete the internal assessment and external papers in May of second year. Students will also have the option to take the AP exam in May after self-preparation. This is a 2-year course.** *NCAA Approved Course*

Course Name: IB Chemistry SL
Credit: 2
Grades: 12
Prerequisite: Biology, Chemistry
Corequisite: Physics

This is the equivalent of a college-level chemistry course. This course includes both lecture and extensive laboratory work. Topics include structure of matter, kinetic theory of gasses, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics. **Students enrolled in IB Chemistry must complete the internal assessment and external papers in May. Students will also have the option to take the AP Chemistry exam in May after self-preparation. This is a 1 year course, 2 periods every day. NCAA Approved Course**

Course Name: IB Environmental Systems and Societies SL
Credit: 2 (1 each year)
Grades: 11-12
Prerequisite: Biology, Chemistry

If you like science and humanities and you have an interest in the environment, whether it is in conservation or the interaction between living organisms and their natural world, this course is for you! ESS is an interdisciplinary course, which means we'll be including many different areas of science like geology, biology, environmental science, chemistry and geography. We'll cover topics such as the interrelationships of the natural world, analysis of natural and human made environmental problems, risk analysis of environmental problems, and we'll explore alternative solutions for resolving or preventing environmental problems. This course is equivalent to one semester introductory level college course. **Students must complete the internal assessment and external papers in May. Students will also have the option to take the AP exam in May after self-preparation. NCAA Approved Course**

Course Name: IB Biology SL
Credit: 2 (1 each year)
Grades: 12
Prerequisite: Biology, Chemistry

This course is the equivalent of a college biology course. Laboratory work is extensive and students utilize the techniques used at the college level. Primary emphasis is on developing an understanding of concepts. Topics include cellular biology, biochemistry, genetics, and ecology. **Students enrolled in this course must complete the internal assessment and external papers in May. Students will also have the option to take the AP exam in May after self-preparation. NCAA Approved Course**

Course Name: IB Sports, Exercise, and Health Science SL
Credit: 2 (1 each year)
Grades: 11-12

The attainment of excellence in sport is the result of innate ability or skill and the dedicated pursuit of a program of physical and mental training accompanied by appropriate nutrition. Training program design should not be left to chance. Rather, it should be designed thoughtfully and analytically after careful consideration of the physiological, biomechanical and psychological demands of the activity. This is the role of the sport and exercise scientist who, regardless of the athletic event, should be equipped with the necessary knowledge to be able to perform this task competently. Furthermore, in a world where many millions of people are physically inactive and afflicted by chronic disease and ill health, the sport and exercise scientist should be equally proficient when prescribing exercise for the promotion of health and wellbeing.

This course in sports, exercise and health science involves the study of the science that underpins physical performance and provides the opportunity to apply these principles. The course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. **Students enrolled in this course must complete the internal and external assessments.** *NCAA Approved Course*

Course Name: Astronomy
Credit: $\frac{1}{2}$
Grades: 10-12

This course is designed to introduce students to the study of astronomy. Students will study the structure of our solar system. Topics will include star classification, constellations and galaxies. Students do not take a Regents exam at the end of the course. This class is designed to be paired with Meteorology for a full science credit. *NCAA Approved Course*

Course Name: Meteorology
Credit: $\frac{1}{2}$
Grades: 10-12

This $\frac{1}{2}$ -year course will teach students the basics of weather and forecasting. This will include using the publicly available tools used for determining the forecasts they see online or on TV everyday. Students will learn the basic properties of the atmosphere and how those factors come together to produce the weather. Students will also learn how to use the free operational forecast models to make their own forecasts. This class is designed to be paired with Astronomy for a full science credit. *NCAA Approved Course*

Course Name: Human Medicine and Disease

Credit: ½

Grades: 10-12

Prerequisite: Regents Biology

If you enjoy life sciences and particularly the human body, here's your chance to learn more about your own body and the different diseases that can affect people. In Regents biology, the human body was only touched upon while this course will go into further detail about each human system and some diseases that affect those systems. There will be plenty of opportunities to research diseases you are specifically interested in learning. Whether you are interested in a medical career or just curious about the human body, this course will be perfect for you. This is paired with Zoology.

Course Name: Zoology

Credit: ½

Grades: 10-12

Prerequisite: Biology and Chemistry, General Chemistry

Zoology is the study of animals. Animals exist and interact in ecosystems, so other living and non-living aspects of our world will also be studied. This scientific course is designed to teach students the basic principles of the diversity of life through the application of identification, classification, and laboratory investigation.

In Regents Living Environment, zoology was only touched upon, while this course will go into further detail about the diverse organisms that inhabit our planet. We will study the anatomy, physiology and behaviors of various animals.

There will be an opportunity to research an organism you are specifically interested in learning and presenting it to the class.

A strong background in basic biology is preferred. This is paired with Human Medicine and Disease. *NCAA Approved Course*

Course Name: Criminalistics: An Introduction to Forensic Science

Credit: 1

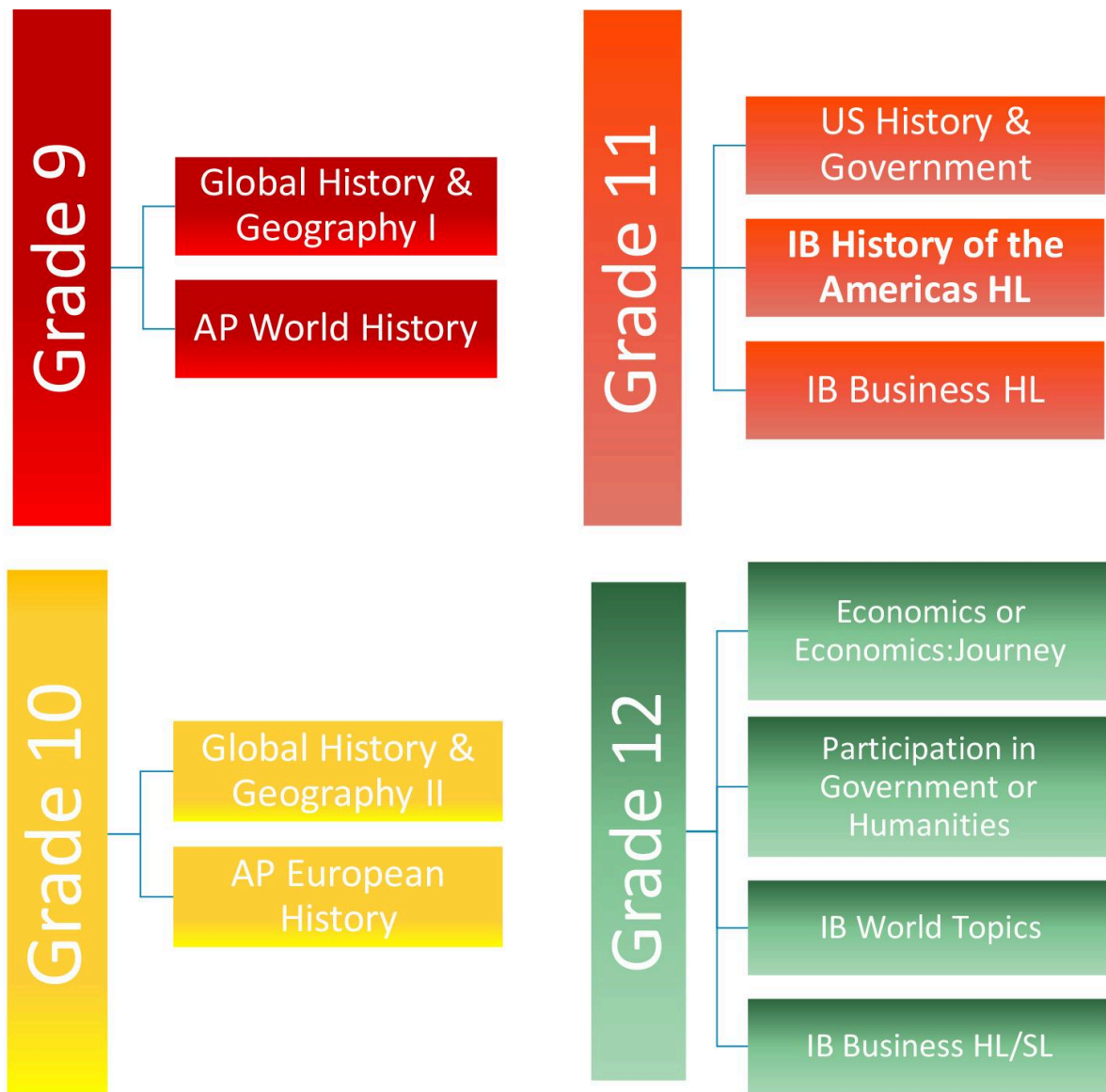
Grades: 11-12

Prerequisite: Biology and Chemistry, General Chemistry

This **half-year** course will challenge students to problem solve criminal cases using background knowledge in physical and life sciences, while utilizing new knowledge in forensic science and law enforcement. Major topics include: fingerprinting, DNA analysis, blood analysis, soil analysis, ballistics, fiber analysis, crime scene search methods, and causes of death. *NCAA Approved Course*

SOCIAL STUDIES

All students must successfully complete four units of Social Studies.



Course Name: Global History & Geography I

Credit: 1

Grades: 9

The first semester covers a cultural approach to the following World Culture Areas: Africa (sub-Saharan), China, Japan, India, and the Middle East. The geography, history, anthropology, political science, and economics of the areas will provide the main strands for developing each of the regions studied. The second semester will cover world history from the ancient world until the early modern world. The focus will be on Europe while integrating the areas studied in the first semester into a global approach to world history.

NCAA Approved Course

Course Name: AP World History

Credit: 1

Grades: 9

This Advanced Placement course is offered to sophomores in the honors program in Social Studies. AP World History is a reading and writing intensive course. The course focuses on six themes to help students understand specific time periods and societies within the large framework of world history. These themes provide ways of making comparisons over time. The course builds on an understanding of cultural, institutional, and technological precedents along with geography. Areas of study include Africa, Asia, Europe and the Americas. **Students enrolled in the course must take the AP World History exam in May.** *NCAA Approved Course*

Course Name: Global History & Geography II

Credit: 1

Grades: 10

Prerequisite: Global History & Geography I

This course follows the curriculum of Global History & Geography I and concludes with the Regents exam. The emphasis is on cultural development throughout the history of the world. The course uses a chronological format organized around themes and concepts. The New York State Regents is a two-year cumulative exam that tests the content and skills learned over the two-year program. *NCAA Approved Course*

Course Name: AP European History

Credit: 1

Grades: 10

Students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course focuses on interactions of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. *NCAA Approved Course*

Course Name: United States History and Government

Credit: 1

Grades: 11

A survey of American history, this course examines the political, economic, and social development of the U.S. The role of government and its operations are emphasized. Students will take the Regents examination in U. S. History and Government at the end of the course. This course is the third year of the Social Studies requirement for graduation. *NCAA Approved Course*

Course Name: IB History of the Americas HL
Credit: 1 per year
Grades: 11

This credit-bearing college level course will focus on the **History of the Americas** with the main focus being on the role of the United States in the Western Hemisphere for year one (junior year). NYS U.S. History Regents requirements will also be met as well. Year 2 of this course will focus on international topics of a Move to Global War and the Rise of Authoritarian States. *NCAA Approved Course*

Course Name: IB World Topics SL/HL
Credit: 1 per year - *meets the NYS requirement for Participation in Government and Economics.*
Grades: 12
Prerequisite: IB History of the Americas HL

The IB Diploma Program (DP) history course is a world history course based on a comparative and multi-perspective approach to history. It involves the study of a variety of types of history, including political, economic, social and cultural, and provides a balance of structure and flexibility. The course emphasizes the importance of encouraging students to think historically and to develop historical skills as well as gaining factual knowledge. It puts a premium on developing the skills of critical thinking, and on developing an understanding of multiple interpretations of history. In this way, the course involves a challenging and demanding critical exploration of the past. The six key concepts that have particular prominence throughout the DP History course are: change, perspective, continuity, consequence, significance, and causation. *NCAA Approved Course Content:*

- The Move to Global War-Military Expansion 1931-41
- Rise of Authoritarian States in the 20th Century
- Causes and Effects of 20th Century Wars
- The Cold War: Superpower tensions and rivalries (20th Century)

Assessments:

Internal Assessment (Research Paper)

- Paper 1 (DBQ)
- Paper 2 (2 Essays Authoritarian States, 20th Century Wars, The Cold War)
- Paper 3 (3 Essays on the “Americas”)

Course Name: Economics
Credit: ½
Grades: 12

Economics is a required one-semester course for 12th grade students. Students will gain an understanding of the United States economy, the role of the consumer and personal finance, the types of economic systems, and international trade issues. *NCAA Approved Course*

Course Name: **Participation in Government**

Credit: **½**

Grades: **12**

This course is a required one-semester course for 12th grade students. The course is designed to encourage the development of civic-minded individuals. Topics include the nature of government, public policy issues, and the role of the individual in creating and affecting change in policy. *NCAA Approved Course*

Course Name: **College Participation in Government (Humanities)**

Credit: **1 (½ credit in English 12 and ½ credit in Social Studies)**

Meets Participation in Government graduation requirement

Grades: **12**

This interdisciplinary course studies some of the fascinating aspects that make up “American Ideals.” This unique class is team-taught by an English teacher and a Social Studies teacher and examines major events in history in an attempt to unweave the fabric of the American System to gain a better understanding. Starting with the American Revolution and our founding documents, the course makes stops at the Civil War, the Industrial Revolution before jumping into the 1950s and 1960s where we will examine the Cold War, the Cuban Missile Crisis, the Vietnam War, and the Civil Rights Movement. These key events that we study revolutionized the way our society functions. This course is designed to encourage the development of civic-minded individuals by making connections between history and current events. We read a variety of literary music, documentaries, film and historical texts in order to illuminate the intriguing subjects we study. Students will engage in various debates, mock legislation, round table discussions and many other fun activities. Students who successfully complete this course will receive 3 credits from Dutchess Community College. The cost per credit is \$64. *NCAA Approved Course*

Course Name: **The Journey Program**

Credit: **1 (½ credit in Participation in Gov’t and ½ credit in Economics)**

Grades: **12**

Application and approval necessary for admittance into the program. This course is open to all seniors.

The Journey Program is directed by two teachers and fellow Journey Program classmates and is designed to give students the opportunity to gain real-world experience by interning at a site of their choice or for completing a project of their design. Seniors can spend their time and energy working in a field that might be a possible career path, or a deeply valued interest.

The Journey Program will be scheduled during the school day to allow students to partake in their internships or work on their individual projects. In addition to weekly meetings, students will be allowed to leave school during the time of these scheduled classes to attend their internship, or work on their project for approximately 10 hours per week. Amongst other work, students will record their work in journals, manage their

schedules, meet with professionals in the field, research their interests, collaborate with classmates, study civic material, and demonstrate their understanding in a final presentation.

The Journey Program will prepare students of all ability levels to be successful in an ever-changing world. Students will be empowered to direct their own learning experience by pursuing an interest that may influence future aspirations. Students successfully completing the course will receive ½ credit for Participation in Government and ½ credit for English 12.

Course Name: IB Business Management SL/HL
Credit: 1 (In 12th grade, this fulfills the Economics and Participation in Government requirement for graduation)
Grades: 11-12

Students learn to analyze, discuss and evaluate business activities at local, national and international levels. The course covers a range of organizations from all sectors, as well as the socio-cultural and economic contexts in which those organizations operate.

The course covers the key characteristics of business organization and environment and the business functions of human resource management, finance and accounts, marketing and operations management. Links between the topics are central to the course. Through the exploration of six underpinning concepts (change, culture, ethics, globalization, innovation and strategy), the course allows students to develop a holistic understanding of today's complex and dynamic business environment. The conceptual learning is firmly anchored in business management theories, tools and techniques and placed in the context of real world examples and case studies.

The course encourages the appreciation of ethical concerns at both a local and global level. It aims to develop relevant and transferable skills, including the ability to: think critically; make ethically sound and well-informed decisions; appreciate the pace, nature and significance of change; think strategically; and undertake long term planning, analysis and evaluation. The course also develops subject-specific skills, such as financial analysis.

The following courses are elective classes and cannot be used to meet the graduation requirement of four years of Social Studies.

Course Name: IB Psychology SL
Credit: 1
Grades: 11-12

The IB Psychology course is the systematic study of behavior and mental processes. The course examines the interaction of biological, cognitive and sociocultural influences on human behavior. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. This will allow them to have a greater understanding of themselves and appreciate the diversity of human behavior. *NCAA Approved Course*

Course Name: People, Crises, and Conflicts in 20th Century U.S. History

Credit: ½

Grades: 10-12

This Social Studies course focuses on the causes and effects of World War II as well as other defining events in “modern” U.S. History. We will also be delving deeply into the role that the “individual” has played throughout the 20th Century. This course is designed for students who want to gain an in-depth understanding of 20th century events and make connections to contemporary America. We will use various primary and secondary sources as well as documentaries. The course structure will provide individual freedom for students to explore, discuss and present. *NCAA Approved Course*

Course Name: Belief Systems and Philosophical Tenets *(Not offered in 2023-2024)*

Credit: ½

Grades: 10-12

This course will examine the major religions and philosophies of the world. That study will include Judaism, Christianity, Islam, Hinduism, Buddhism, Confucian, Tao, Shinto, various indigenous beliefs and a mixture of new religions. The course will analyze the history, beliefs, practices and rituals of these religions and philosophies.

Course Name: History Through Film

Credit: ½

Prerequisite: Global History and Geography 9

Grades: 10-12

This one-semester elective will present students who love History and film a chance to analyze famous historical events that have been made into Hollywood movies. History through film will look at various films dealing with U.S. and World History and attempt to analyze “*what is History, and what is Hollywood?*” In addition to watching many great movies, students will be asked to participate in seminar discussions about historical topics, complete writing assignments comparing film evidence to information in more traditional sources and identify historical bias and inaccuracies in the various films/topics studied.

Course Name: Introduction to Law

Credit: ½

Grades: 11-12

This one-semester Introduction to Law course provides an overview of the criminal, civil and business legal systems. Students will explore constitutional issues; learn legal terminology and research current law related topics.

Course Name: Psychology

Credit: $\frac{1}{2}$

Grades: 10-12

This one-semester elective introduces students to human development and human behavior. Areas of study include theories of psychology, child and adolescent behavior, mental health and mental illness, and related topics. *NCAA Approved Course*

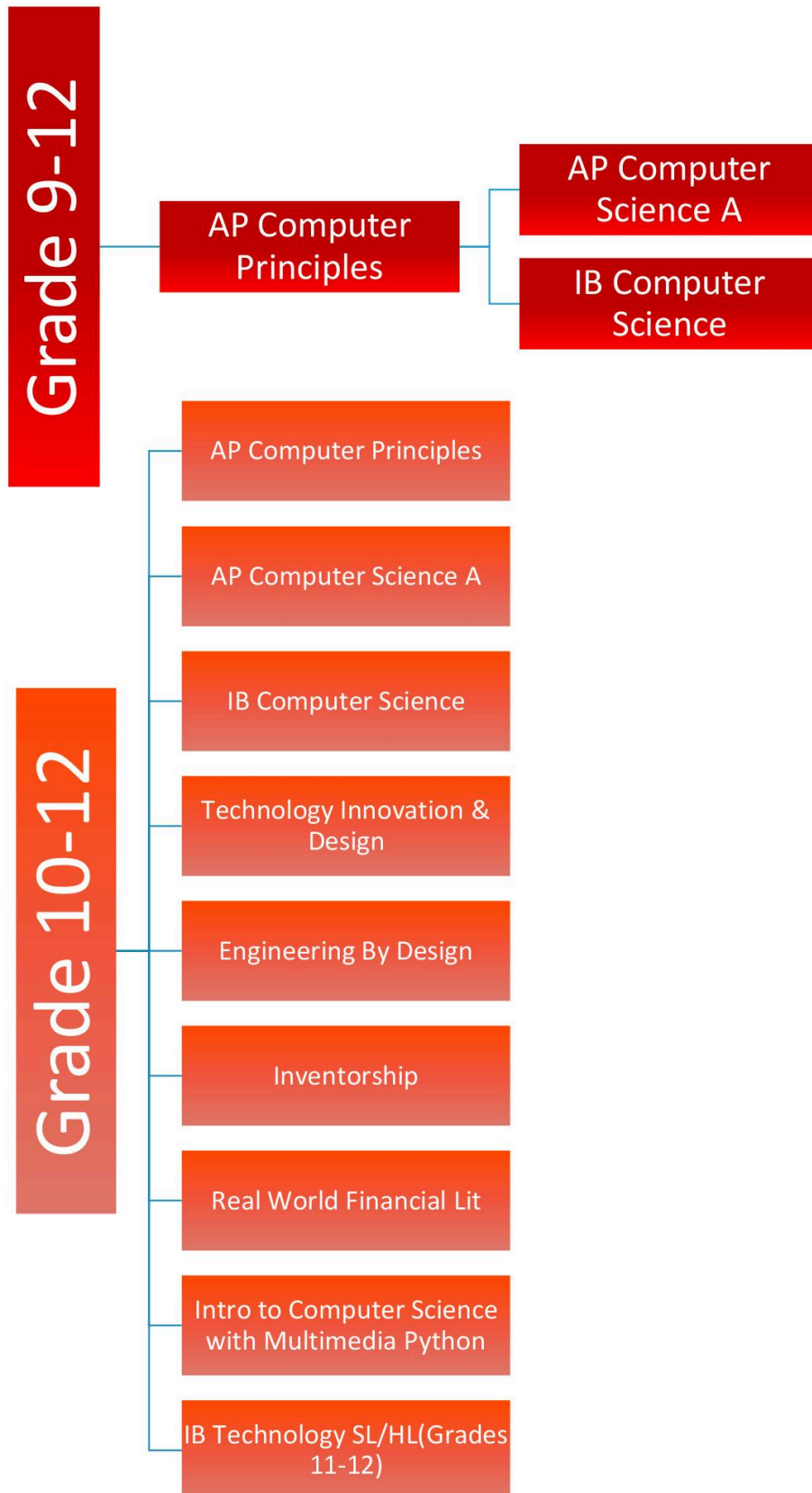
Course Name: Sociology

Credit: $\frac{1}{2}$

Grades: 10-12

This one-semester course introduces students to theories of social behaviors and cultures. Areas of study include cultural variation and change, the effects of socialization on the individual, social norms, and related topics. *NCAA Approved Course*

TECHNOLOGY



Course Name: AP Computer Science Principles

Credit: 1

Grades: 9-12

The AP Computer Science Principles course is designed to be an introductory computing course based on AP expectations. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them.

Course Name: AP Computer Science A

Credit: 1

Grades: 10-12

The AP Computer Science A course is an introductory course in computer science. The major theme of the course is problem solving. You will be solving problems through the design and implementation of computer programming. The entire course is focused solely on proper programming in the *Java* language. This course covers the philosophy of Java, the Java language, objects and classes, applications in Java, packages and interfaces, exceptions, and threads. AP is offered in May, which is optional.

Course Name: IB Computer Science HL

Credit: 1 credit per year

**Grades: 11th - Year 1
12th - Year 2**

The IB DP computer science HL course will help you understand the fundamental concepts of computational thinking as well as knowledge of how computers and other digital devices operate. In this **two-year** course, you will embrace conceptual thinking, draw on a wide spectrum of knowledge, and enhance your innovative side. You will learn the ins and outs of computer science and how it influences culture and society. IB extends computer science know-how by integrating assessments that determine how individuals and societies behave, and the ethical issues involved.

Distinction of HL1 HL2:

HL Year 1: System fundamentals , Computer organization, Networks , Computational thinking, problem-solving & programming, Group 4 Project and Case study.

HL Year 2: The topics that must be studied, including some practical work, are: Abstract data structures, Resource management, Control, Paper 1, 2 & 3, Individual Assessment.

Course Name: Engineering by Design

Credit: $\frac{1}{2}$

Grades: 9-12

Do you like to build and design? Are you interested in learning how to program and use tools like 3D printers and microcontrollers? If so, Engineering by Design is the class for you. This class will help students develop skills covering a variety of design processes and apply those skills toward engineering principles. Students will complete projects that will require them to research, design, and create through hands-on activities. Students will be exposed to programming, basic circuits, microcontrollers, 3D printing and wearables.

Course Name: Technology Innovation and Design

Credit: $\frac{1}{2}$

Grades: 10-12

Innovation and Design is a new course, designed for 21st century learners, that will ask students to identify a potential societal problem or need and apply design thinking to produce an innovative solution. The course will be multifaceted and will allow students the flexibility to design and create solutions using a variety of materials and platforms. Some students may look at today's market to see what is lacking, draft up a design of a new product to fill that void, and ultimately create a prototype. Others may wish to rebuild, revise, or retrofit an existing design or system. Each student will be provided the opportunity to "pitch" their project to their peers.

Course Name: Inventorship

Credit: $\frac{1}{2}$

Grades: 10-12

This class was designed with you in mind. You, the one who likes working with your hands... you might be familiar with hand tools or power tools and the desire to do/learn more. If you like designing something that can make your life easier and possibly easier for others, then Inventorship is the course you need to take.

In this class, you will also have the opportunity to create something using your designs and electronics using something similar to MakeyMakey, and more. This introductory course requires no background in technology, just a willingness to learn about coding and incorporate it into your project.

Course Name: Real World Financial Literacy: Crypto, Real Estate and More...

Credit: $\frac{1}{2}$

Grades: 10-12

Data is money. In this class you will analyze data in all aspects of life. Life is a reward for perseverance... let's pursue the fundamentals of technology with aspirations to connect to something other than laptops. Something like real estate, financial sectors and markets or currencies like fiat or crypto. By analyzing your life and connecting the data, you will develop an understanding of data analysis, sampling, correlation/causation, bias and uncertainty, probability, modeling with data, making and evaluating data-based arguments, the power of data in society, and more! Become one with data.

Course Name: Introduction to Computer Science with Multimedia Python
Credit: 1
Grades: 9-12
3 Siena College credits

This Siena College dual-enrollment course is a broad introduction to a variety of fundamental topics in computer science through the theme of multimedia. Using the Python programming language, students express themselves creatively and solve problems involving programming with images, sounds, and animations. Students are also introduced to important computer science topics including data representation, truth tables and circuits, computer organization, operating systems, artificial intelligence, and the history and societal impact of computing. Students taking this course at the high school can earn 3 college credits for a (flat) \$200 tuition rate. (Tuition is waived for students qualifying for free or reduced lunch.)

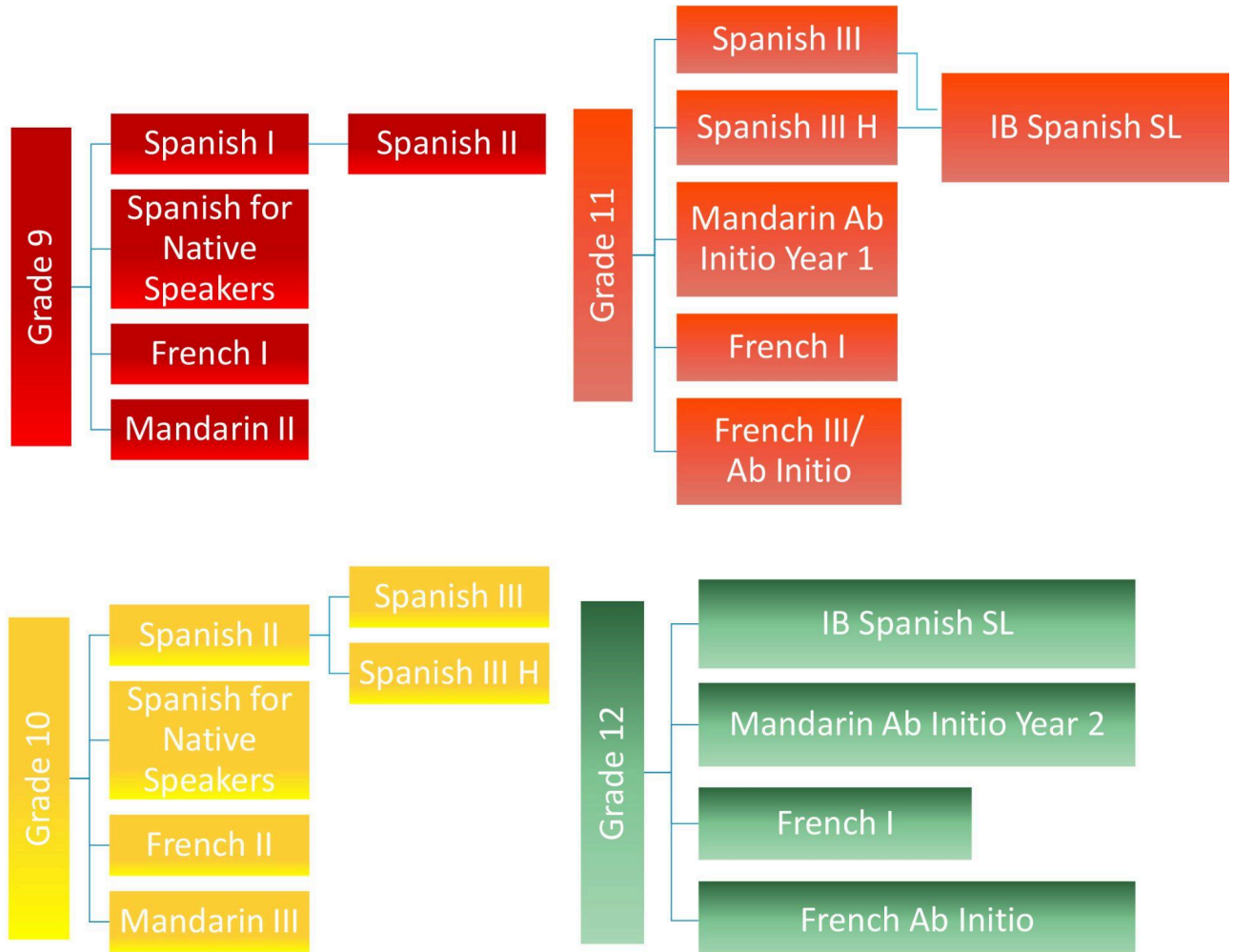
Course Name: IB Design Technology SL/HL
Credit: 1 (2 year)
Grades: 11-12

In this class you will learn about design and do something with your design. So you will identify what makes something a good design and how one creates something with a design that is valuable to society. You will learn about the role of science and technology in design. You will learn about the characteristics of a good designer to problem solve and troubleshoot in any context or situation, across a variety of design disciplines. Design, and the resultant development of new technologies, has given rise to profound changes in society: transforming how we access and process information; how we adapt our environment; how we communicate with others; how we are able to solve problems; how we work and live. Competent design is within the reach of all. Through the practice and application of well-established design principles and methodologies, individuals can increase the likelihood that a design will be successful. These principles taken together make up what is known as the design cycle.

WORLD LANGUAGES

LANGUAGES OTHER THAN ENGLISH

All students must successfully complete a minimum of 1 unit of Languages other than English.



Course Name: French 1

Credit: 1

Grades: 9-12

Students may choose this course in order to satisfy the New York State requirement of 1 unit of language study OR as a way to explore an additional language if they have already studied Spanish. Students will begin to develop basic vocabulary and communication skills (listening, reading, writing, speaking) in the target language. Students will also have an introduction to the culture and traditions of Francophone countries, including French foods during special celebrations. **Students who are eligible for Spanish Language Honor Society induction can maintain their eligibility AND also be admitted into the French Honor Society for DUAL honor society status.** *NCAA Approved Course*

Course Name: French II

Credit: 1

Grades: 10-12

Students continue the development of the four skills (listening, speaking, reading and writing) with new structures and vocabulary added throughout the year. Students also gain more of an understanding of the culture and customs of different French-speaking countries. A final exam is administered at the end of the year. **Students who are eligible for Spanish Language Honor Society induction can maintain their eligibility AND also be admitted into the French Honor Society for DUAL honor society status.** *NCAA Approved Course*

Course Name: IB French Ab Initio - Year 1

Credit: 1

Grades: 11-12

The IB French Ab Initio course is a two year, 150-hour course designed for students with no little or no background knowledge of French, to provide those students with the necessary skills and intercultural understanding to enable them to communicate successfully. Students will be developing their listening, reading, writing and speaking skills and developing an awareness and appreciation of different perspectives from different French-speaking countries. Students taking this course are required to take the IB French Ab Initio exam in May of the second year. *NCAA Approved Course*

Course Name: IB French Ab Initio - Year 2

Credit: 1

Grades: 12

The IB French Ab Initio Year 2 course is the culmination of the two-year, 150-hour course designed for students with no little or no background knowledge of French. Students will continue to develop their listening, reading, writing and speaking skills as well as develop an awareness and appreciation of different perspectives from different French-speaking countries. Students taking this course are required to take the IB French Ab Initio exam in May. *NCAA Approved Course*

Course Name: Spanish 1
Credit: 1
Grades: 9-12

Students will begin to develop basic vocabulary and communication skills (listening, reading, writing, speaking) in the target language. Students will also have an introduction to the culture and traditions of Spanish-speaking countries. *NCAA Approved Course*

Course Name: Spanish II
Credit: 1
Grades: 9-12

Students continue to develop proficiency in the four skills (listening, reading, writing, speaking) with new structures and vocabulary added throughout the year. Students also gain more of an understanding of the culture and traditions of different Spanish-speaking countries. A midterm may be administered in January. In addition, a final exam is administered at the end of the year. *NCAA Approved Course*

Course Name: Spanish III
Credit: 1
Grades: 10-12

Students continue the development of skills in listening, reading, writing and speaking. Students read additional authentic literature selections. Customs and geography of the Spanish-speaking countries are studied. Conversation skills are continually emphasized during the year as the class is conducted mostly in Spanish. Writing activities become more complex as the student's knowledge of grammar increases. The course culminates in a final exam, which assesses all four skills in order to meet the *Advanced Regents* diploma requirement. *NCAA Approved Course*

Course Name: Spanish III Honors
Credit: 1
Grades: 10-12

The Spanish III Honors class follows the basic curriculum of the Regents-level class but it has a greater breadth of coverage. The entire class is conducted mostly in Spanish. Conversation and writing are emphasized, and there are frequent discussions on a variety of topics that deal with contemporary life in the Spanish-speaking world. Students read additional authentic literature selections and discuss them more in-depth. The course culminates in a final exam, which assesses all the four skills in order to meet the *Advanced Regents* diploma requirement. *NCAA Approved Course*

Course Name: IB Spanish SL - Year 1

Credit: 1

Grades: 11-12

Prerequisite: Spanish III H or Spanish III

The Spanish B Standard Level course is intended to improve students' language fluency and requires some previous experience with the language. Before entering Spanish B Standard Level, students will have completed Spanish III or IIH in accordance with the Putnam Valley High School grade achievement policy.

The Spanish B Standard Level course is a two year, 150-hour course focused on developing students' language proficiency and cultural awareness. In this course, students will improve listening, speaking, reading and writing skills in Spanish while discussing authentic literature, art, history and film, as well as current events. Cultural perspectives on topics will also be addressed, offering students the opportunity to develop a deeper understanding for people of all ethnicities. Students taking this course are required to take the IB Spanish B Standard Level exam in May of the second year. Students who successfully complete this course may also receive college credits through DCC. *NCAA Approved Course*

Course Name: IB Spanish SL - Year 2

Credit: 1

Grades: 11-12

Prerequisite: IB Spanish SL - Year 1

The Spanish B Standard Level Year 2 course is the culmination of a two-year, 150-hour course focused on developing students' language proficiency and cultural awareness. In this course, students will continue to improve their listening, speaking, reading and writing skills in Spanish while discussing authentic literature, art, history and film, as well as current events. Cultural perspectives on topics will also be addressed, offering students the opportunity to develop a deeper understanding of people of all ethnicities. Students taking this course are required to take the IB Spanish B Standard Level exam in May. Students who successfully complete this course may also receive college credits through DCC. *NCAA Approved Course*

Course Name: Spanish for Native Speakers Year 1

Credit: 1

Grades: 9

Spanish for Native Speakers is designed specifically for native/heritage speakers of Spanish who already have some oral language proficiency. The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in Spanish by providing them the opportunity to listen, speak, read, and write in a variety of contexts. The course offers Hispanic students who are already able to converse and understand Spanish an opportunity to maintain, develop, and refine their language. Students will be recommended by their current teacher for entrance to the class.

Course Name: Spanish for Native Speakers Year 2

Credit: 1

Grades: 10

This course is designed for heritage learners of Spanish who bring strong proficiency and literacy skills in Spanish, as well as for those who have completed Spanish for Native Speakers I. The course will be taught primarily in Spanish and is designed to reinforce the student's listening and speaking skills while improving the reading, writing, and grammatical skills, as well as on understanding of Hispanic cultures and issues of identity of heritage speakers of Spanish in the United States. Students will also continue to develop awareness and understanding of Hispanic cultures, including language variation, customs, geography, history, and current events.

Students will be able to understand material presented on a variety of topics related to contemporary events and issues in Hispanic communities. Students will sit for the Regents-level exam at the end of the course.

Course Name: IB Mandarin Ab Initio - Year 1

Credit: 1

The IB Mandarin Ab Initio course is a two-year, 150-hour course designed for students with little or no background knowledge of Mandarin. It provides those students with the necessary skills and intercultural understanding to enable them to communicate successfully. Students will be developing their listening, reading, writing, and speaking skills and developing an awareness and appreciation of different perspectives. Students taking this course are required to take the IB Mandarin Ab Initio exam in May of the second year.

Course Name: IB Mandarin Ab Initio - Year 2

Credit: 1

The IB Mandarin Ab Initio Year 2 course is the culmination of the two-year, 150-hour course designed for students with little or no background knowledge of Mandarin. Students will continue to develop their listening, reading, writing, and speaking skills as well as develop an awareness and appreciation of different perspectives. Students taking this course are required to take the IB Mandarin Ab Initio exam in May.

Course Name: Mandarin Chinese II

Credit: 1

Grades: 9

Mandarin Chinese II is an intermediate level course in spoken and written Mandarin Chinese that aims to develop broader understandings. Students will be introduced to a widening array of vocabulary, pronunciation, and conversational skills. An interactive and technology-rich approach will be used to build student confidence and skill in listening, speaking, reading, and writing. Students will deepen their understanding on topics such as leisure/socializing, the neighborhood and transportation, as well as the physical environment. Students will also learn about the culture, history, and geography of China through their language-based studies. *NCAA Approved Course*

Course Name: Mandarin Chinese III (*Not offered in 2023-2024*)

Credit: 1

Grades: 10

An intermediate-level course in spoken and written Mandarin Chinese that aims to develop an increasingly broad and useful understanding of Mandarin Chinese. The student will engage in widening their array of vocabulary, pronunciation and conversational skills. The student will learn about the culture, history, and geography of China through their language-based studies. *NCAA Approved Course*

The Mission of the Achievement Center

The Achievement Center was created to increase individual instruction for students who need greater academic support for course work or Regents exams. This space will allow students to be more connected to PVHS and make the time they have in high school worthwhile. Not only will we work on individual weaknesses and turn them into strengths, but we will incorporate getting involved in the school and local community. Modeling, monitoring and support are a few key components to foster drive for learning, which will be infused daily.

THE TECH CENTER

Credit: 3

Grades: 11-12

The BOCES Tech Center offers an opportunity to receive a technical education in a number of occupational areas. Students attend the Tech Center in Yorktown for part of the school day and take their academic courses at PVHS. The two-hour blocks at Tech may be scheduled in the morning, midday, or afternoon sessions depending on the program a student takes. Students receive three credits for each year of the occupational education program. Some of the programs at the Tech Center will allow students to accumulate college credits during 12th grade. Students must complete an application to the Tech Center and be accepted into a particular program. Applications are available from your school counselor.

Programs at the Tech Center include:

Animation/Motion Graphics	Law Enforcement
Animal Care	Medical Assistant
Architectural/Engineering	Microcomputer Technology
Auto Body	New Visions Health*
Auto Mechanics I & II	New Visions Engineering
Baking & Pastry Arts*	Preservation/Restoration/ Commercial Masonry
Barbering I & II	Small Engine Repair
Carpenter's Assistant Trainee	Small Engine/Motorcycle
Carpentry	Sports Medicine
Certified Nurse Aide/HHA	Urban Forestry/Arboriculture
Certified First Responder	Veterinarian Science
Childcare Assistant	Welding
Child Development & Education I & II	
Computer Graphics	
Construction Electricity	
Construction Electricity Assistant	

Construction Technology
Cosmetology I & II
Culinary Arts
Digital Film, Video & Audio Production
Digital Media
Emergency Medical Technician
ENL Programs

Click on the link for course descriptions:

<https://www.pnwbores.org/Tech/Courses?categoryid=-1>

*** 12th grade only**