



The New School of Northern Virginia

High School
Course Catalog
2020 - 2021

Updated August 5, 2020

Welcome to Registration 2020-2021

Hello and welcome to registration for the 2020-2021 school year at The New School of Northern Virginia! In this folder you will find:

1. A course catalogue that is divided into four parts.
 - a. Part I organizes the courses within our five-module system—Morning Module, A, B, and C Modules, and Afternoon Module.
 - b. Part II organizes the course descriptions within disciplines—English, Science, Mathematics, Humanities (World Studies-Geography, Social Studies, U.S. History, and Government), Foreign Languages, P.E. and Health, and Computers/Electives.
 - c. Part III contains a sheet detailing General Guidelines for Registration.
 - d. Part IV contains a sheet detailing the High School Graduation Requirements.
2. Separately, you will find:
 - a. Your Graduation Progress Report that lists the credits you have earned and the credits that you still need to graduate (note that current Quarter Four classes are not reflected in the listed credits on this document).
 - b. A Recommended Course Levels Report.
 - c. A Schedule Registration Form.

Your job is to select the courses that you would like to take next year, including both a first choice and a second choice for each module. If you do not select a second choice, one may be selected for you.

Understanding Course Levels

High-school classes are divided into three levels: Introductory (Level 1), Advanced (Level 2), Honors/Advanced Placement (Level 3).

In general, students enroll in an Introductory-level course as their first course within a discipline and Advanced, Honors, and AP courses thereafter.

Scholarly Writing Course Designation

Some courses are designated with “SW” or “Scholarly Writing.” These courses focus on the skills necessary for scholarly writing—be it a research paper, primary source analysis, or scientific journal article. Students are encouraged to take these courses to help prepare them for passing the Junior Portfolio requirements and develop writing skills using the thesis-support model, which is central to The New School curriculum. Not every SW class involves writing an entire paper, however all Quarter Two Morning Modules mandate a paper as the exhibition product.

How to Register

The best way to choose your classes is:

1. You may print out the Schedule Registration Form, or download and fill in the form on your computer. (You will need to have [Adobe Acrobat Reader](#) installed to fill out the form digitally.) On your Schedule Registration Form, jot down the math or foreign language courses that you need or want to take.
 - a. If there is only one option for a foreign language or math course, such as French 2, then write “Need French 2” in the second option slot.
 - b. For math, the general sequence of courses is Algebra 1, Geometry, Algebra 2, Precalculus, and Calculus.
2. Then you should go through the catalogue, starring those courses that spark your interest. Be aware, however, that you may not enroll in a course beyond your recommended level, unless your parent/guardian and your advisor approve. For new students, note that, in general, freshmen take level 1 courses; sophomores level 1 or 2 courses, etc.

3. Compare all of those course credits to the credits that you need as indicated on your Graduation Progress Report. Most students will need a credit of English, math, science, humanities (social studies, world studies, etc.), and the arts or P.E. each year.
4. Students also need elective credits. Any credit over the required number of credits in a discipline satisfies the elective criteria.
5. To fill in any empty slots on your Schedule Registration Form, consult the suggested guidelines at the end of the catalogue. These guidelines are meant to help you achieve a balanced schedule.
6. If you are uncertain about how to proceed at any point, contact your advisor and schedule a meeting. They can give advice and feedback as well as answer questions.
7. After your Schedule Registration Form is complete, including second choices for each slot, submit your form to your advisor so that they can approve it. To turn in your form, you can send the saved PDF file to your advisor or, if you printed out the form, you can scan or photograph it and send it to them that way.
8. Your advisor will double check your credits and make sure your schedule for next year keeps you on the path toward earning your diploma and is generally well-balanced. Then they will submit your forms to me, the Academic Dean, for final verification. If there are any concerns, I will reach out, otherwise I will proceed with official registration, attempting to give everyone their first choice classes as much as possible.

Remember, your advisor is always ready to answer any questions you may have. Please feel free to contact me, as well, if you have any questions. Enjoy the catalog!

Jenny Fey
Academic Dean

The Courses

(Organized by Modules)

Morning Module: 9:00 A.M. – 10:25 A.M. Mon-Fri

A Module: 10:40 A.M. – 11:25 A.M. Mon-Fri

B Module: 11:30 A.M. – 12:15 P.M. Mon-Fri

C Module: 1:00 P.M. – 1:45 P.M. Mon-Fri

Afternoon Module: 2:25 P.M. – 4:00 P.M. Mon, Tue, Thu, Fri; 1:50 P.M. – 2:30 P.M. Wed

MORNING MODULE:

9:00 A.M. – 10:25 A.M. Mon-Fri

TEACHER	Quarter 1	Quarter 2 (Paper)	Quarter 3	Quarter 4
ARTS				
NATALIYA	Art and Self Expression <i>Arts 1</i>	The Artist and Their World <i>Arts 1, Social Studies 1, or WSG 1</i>	Art and the Environment <i>Arts 1</i>	Fundamentals of Design <i>Arts 1</i>
VIRGINIA			Instrumentals <i>Arts 1</i>	Songwriting & Lyrics <i>English 1 or Arts 1</i>
BILLY	Digital Music Composition <i>Arts 1 or Computers 1</i>			
SCIENCES				
JENNY		AP Psychology <i>General Science or Social Studies SW</i>		Psychology of Language <i>General Science 2 or Social Studies 2</i>
DIANA	Plants and Society <i>Biology 1</i>	Does Your DNA Define You? <i>Biology 1/2 SW</i>	Stoichiometry: Calculating Chemical Quantities <i>Chemistry 1 SW</i>	Biological Macromolecules and Nutrition <i>Biology 2</i>
DANNY		Historic Innovations in Health <i>General Science 1 or Health 1 SW</i>		
RACHEL	Soil Chemistry <i>Chemistry 2</i>			
HUMANITIES				
TARYN	Boom, Bust, and War: America After WWI <i>US History 1</i>			Game Theory in Government <i>Government 1</i>
BILLY		Democracy and Corruption <i>Government 2 SW</i>	The 2020s <i>Social Studies 1 SW</i>	Game Theory in Government <i>Government 1</i>
CAROLINA	Social Movements through Music <i>Social Studies 2</i>	The Civil War <i>US History 1 SW</i>	Appalachian Origins of America <i>US History Honors SW</i>	Music Cultures of the World <i>World Studies/ Geography 1</i>
JENNY		AP Psychology <i>Social Studies or General Science SW</i>		Psychology of Language <i>Social Studies 2 or General Science 2</i>
NATALIYA		The Artist and Their World <i>Arts 1, Social Studies 1, or WSG 1</i>		
ENGLISH				
VIRGINIA	Public Speaking & Debate <i>English 1</i>	Lewis Carroll's Wonderland <i>English 1 SW</i>		Songwriting & Lyrics <i>English 1 or Arts 1</i>
JENNY	Literature of the Family <i>English 2 SW</i>			
TARYN		I, Witness: Narrators on Everest <i>English 2 SW</i>	The Guilty Pleasure Genre: Young Adult Fiction <i>English 2</i>	
JANIS	Current Events <i>English A/B</i>	Discussable Dilemmas <i>English A/B</i>		
COMPUTER SCIENCE				
BILLY	Digital Music Composition <i>Computers 1 or Arts 1</i>			
SHANNAN				Filming and Editing Horror Films <i>Computers 1</i>
MATHEMATICS				
EDEN			Mathematics of Baking <i>Applied Math 1 (with Rachel's AM)</i>	
PE/HEALTH				
DANNY		Historic Innovations in Health <i>Health 1 or General Science 1 SW</i>		

Middle School Morning Mod P1

	Quarter 1	Quarter 2 (Paper)	Quarter 3	Quarter 4
HENRY	MS English	MS English	MS English	MS English
ALAN	MS English	MS English	MS English	MS English
TBD	MS PE	MS PE	MS PE	MS PE

Middle School Morning Mod P2

	Quarter 1	Quarter 2 (Paper)	Quarter 3	Quarter 4
TBD	MS PE	MS PE	MS PE	MS PE
ALAN	MS English	MS English	MS English	MS English

A MODULE:

10:40 A.M. – 11:25 A.M. Mon-Fri

TEACHER	Semester 1	Semester 2
MATHEMATICS		
JANIS		Pre Algebra
SHANNAN		Algebra 1
SAVI		Geometry
RACHEL		Algebra 2
EDEN		Pre Calculus
FOREIGN LANGUAGES		
CLARA		Spanish 2
JULIE		French 2
VIRGINIA		German 2
SCIENCES		
BILLY		AP Physics C: Mechanics and Electricity & Magnetism
HUMANITIES		
HENRY		The Axial Age: Philosophy and Religion Circa 500 B.C.E. <i>World Studies/Geography 2 SW</i>
TARYN	The War to End All Wars <i>World Studies/Geography 1</i>	
ENGLISH		
JENNY		AP English Literature & Composition (<i>SW</i>)
HENRY	Reading and Writing Short Stories <i>English 1</i>	
JONATHAN		American Playwrights <i>English 1</i>
ARTS		
JONATHAN	Art & Drama <i>(Middle School Only)</i>	
COMPUTER SCIENCE		
TARYN		Digital Storytelling <i>Computers 1 (+MS)</i>
PE, STUDY HALLS & ORGANIZATION		
DANNY	Health & The Self <i>(Middle School Only)</i>	Study Skills <i>(High School and Middle School)</i>
JOANNA	Study Hall	Study Hall

B MODULE:

11:30 A.M. – 12:15 P.M. Mon-Fri

Teacher	Semester 1	Semester 2
MATHEMATICS		
JANIS	Middle School Math Concepts	
SHANNAN	Algebra 1	
SAVI	Geometry	
RACHEL	Calculus	
EDEN	AP AB Calculus	
FOREIGN LANGUAGES		
CLARA	Spanish 1	
JULIE	French 1	
VIRGINIA	German 1	
ARTS		
JONATHAN	Introduction to Sketching and Drawing <i>Arts 1 (+MS)</i>	Introduction to Designing in 3 Dimensions <i>Arts 1 (+MS)</i>
SCIENCES		
DIANA	Geology <i>General Science 1</i>	Survival Science <i>General Science 2</i>
HUMANITIES		
ALAN	Modern European History <i>World Studies/Geography 2</i>	
CAROLINA	Introduction to American Government <i>Government A/B</i>	
ENGLISH		
ALAN	John Steinbeck: Struggles in America <i>English 1</i>	
CAROLINA	English A/B	
PE, STUDY HALLS & ORGANIZATION		
DANNY	Study Skills <i>(Middle School Only)</i>	Health & The Self <i>(Middle School Only)</i>
JOANNA	Study Hall	

C MODULE:

1:00 P.M. – 1:45 P.M. Mon-Fri

TEACHER	Semester 1	Semester 2
MATHEMATICS		
JANIS	Pre Algebra	
SHANNAN	Foundations of Algebra 2	
RACHEL	Algebra 2	
EDEN	Pre Calculus	
SAVI	Math in Art <i>Applied Math 1</i>	
FOREIGN LANGUAGES		
CLARA	Spanish 3/4	
JULIE	French 3/Honors	
VIRGINIA	German 3/Honors	
ARTS		
JONATHAN	Computers & Theater <i>(Middle School Only)</i>	Computers & Theater <i>(Middle School Only)</i>
NATALIYA	Art <i>(Middle School Only)</i>	Art <i>(Middle School Only)</i>
SCIENCES		
SAVI		Optics of Lenses and Mirrors <i>Physics 1</i>
ENGLISH		
TARYN	Jane Austen In The Present Tense <i>English 2</i>	Let's Eat Grandma: Punctuation Saves Lives <i>English 1</i>
PE /HEALTH		
HENRY	Nature Walking for Wellbeing <i>PE 1 or Health 1</i>	Yoga for Wellbeing <i>PE or Health 1</i>
STUDY HALLS & ORGANIZATION		
DANNY	Study Skills <i>(High School Only)</i>	Study Skills <i>(High School Only)</i>
JOANNA	Study Hall	Study Hall

Afternoon Module:

2:25 P.M. – 4:00 P.M. Mon, Tue, Thu, Fri; 1:50 P.M. – 2:30 P.M. Wed

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
ARTS				
NATALIYA	Illustration <i>Arts 1</i>	Painting and Drawing <i>Arts 1</i>	The Art of the Graphic Novel <i>Arts 1</i>	Art Outside <i>Arts 1</i>
JONATHAN		Technical Theater <i>Arts 1/2</i>	Technical Theater <i>Arts 1/2</i>	Film Appreciation: Movies of the 1980s <i>Arts 1 or English 1</i>
EDEN				Dancing in Strange Places <i>Arts 1</i>
ALAN				Film Appreciation: The Hero/ine's Journey <i>Arts 1 or English 1</i>
SCIENCES				
RACHEL			Chemistry of Baking <i>Chemistry 1 (w/Eden MM)</i>	
DIANA	Invertebrate Zoology <i>Biology 1</i>	AP Biology		Forensic Chemistry <i>Chemistry 2</i>
SAVI	History of the Periodic Table <i>Chemistry 1</i>	Nuclear Chemistry <i>Chemistry 1 (+8th)</i>		
BILLY		Acoustics and Speakers <i>Physics 1 (+8th)</i>		
HUMANITIES				
CAROLINA		American Women of the 20th Century <i>US History 2</i>	American Political Parties <i>Government 2</i>	
HENRY	The Presidential Election <i>Government 1/2</i>		History and Culture of Japan <i>World Studies/Geography 1 (+8th)</i>	21st Century Economics <i>Social Studies 2 or Applied Math 2</i>
EDEN	The Presidential Election <i>Government 1/2</i>			
ALAN			The Mexican Revolution <i>World Studies/Geography 1 (+8th)</i>	
DANNY	Criminology & Psychology <i>Social Studies 2</i>		Sports, Culture, & Wellness <i>Social Studies 1 or Health 1</i>	
SHANNAN			Personal Finance <i>Applied Math 1 or Social Studies 1</i>	
ENGLISH				
CAROLINA				Scholarly Writing <i>English 1 SW</i>
JONATHAN	Page to Stage <i>English 1</i>			Film Appreciation: Movies of the 1980s <i>Arts 1 or English 1</i>
HENRY		Memoir Writing <i>English 1/2</i>		
ALAN				Film Appreciation: The Hero/ine's Journey <i>Arts 1 or English 1</i>
COMPUTER SCIENCE				
SHANNAN		Digital Design <i>Computers 1</i>		
BILLY			Programming with Python <i>Computers 2</i>	
PE/HEALTH				
RACHEL		Basketball <i>PE 1</i>		
DANNY			Sports, Culture, & Wellness <i>Health 1 or Social Studies 1</i>	Frisbee PE 1
TBD	Personal Fitness <i>PE 1</i>			
MATHEMATICS				
EDEN		Topics in Advanced Mathematics <i>Applied Math 2</i>		
HENRY				21st Century Economics <i>Applied Math 2 or Social Studies 2</i>
SHANNAN			Personal Finance <i>Applied Math 1 or Social Studies 1</i>	
FOREIGN LANGUAGES				
CLARA	Honors Spanish Seminar		AP Spanish Prep	Honors Spanish Seminar

Middle School Afternoon Mod

TEACHER	Quarter 1	Quarter 2 (Paper)	Quarter 3	Quarter 4
ALAN	MS History	MS History		
CAROLINA	MS History			
SAVI			MS Science	MS Science
RACHEL				MS Science
BILLY	MS History			MS Science

The Courses

(Organized by Discipline)

Arts (Dance, Music, Theater, Visual Art)	9
English (Creative Writing, Language Arts, Literature)	13
Foreign Languages (French, German, Spanish)	17
Mathematics & Applied Math	19
Physical Education & Health	23
Sciences (Biology, Chemistry, Physics, General Science)	25
Humanities (Government, Social Sciences, Social Studies, US History, World Studies & Geography)	29
Computer Science & Electives	34

Arts (Dance, Music, Theater, Visual Art)

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
NATALIYA	Art and Self Expression <i>Arts 1</i>	The Artist and Their World <i>Arts 1, Social Studies 1, or WSG 1</i>	Art and the Environment <i>Arts 1</i>	Fundamentals of Design <i>Arts 1</i>
VIRGINIA			Instrumentals <i>Arts 1</i>	Songwriting & Lyrics <i>English 1 or Arts 1</i>
BILLY	Digital Music Composition <i>Arts 1 or Computers 1</i>			
A MODULE				
JONATHAN	Art and Drama <i>(Middle School Only)</i>			
B MODULE				
JONATHAN	Introduction to Sketching and Drawing <i>Arts 1 (+MS)</i>		Introduction to Designing in 3 Dimensions <i>Arts 1 (+MS)</i>	
C MODULE				
JONATHAN	Computers & Theater <i>(Middle School Only)</i>		Computers & Theater <i>(Middle School Only)</i>	
NATALIYA	Art <i>(Middle School Only)</i>		Art <i>(Middle School Only)</i>	
AFTERNOON MODULE				
NATALIYA	Illustration <i>Arts 1</i>	Painting and Drawing <i>Arts 1</i>	The Art of the Graphic Novel <i>Arts 1</i>	Art Outside <i>Arts 1</i>
JONATHAN		Technical Theater <i>Arts 1/2</i>	Technical Theater <i>Arts 1/2</i>	Film Appreciation: Movies of the 1980s <i>Arts 1 or English 1</i>
ALAN				Film Appreciation: The Hero/ine's Journey <i>Arts 1 or English 1</i>
EDEN				Dancing in Strange Places <i>Arts 1</i>

Morning Module

Quarter 1

Art and Self Expression, Arts 1

In this class students will discover how to express themselves with the help of color, collage, and design elements. Principles of design, composition, color theory, and conceptualizing one's ideas will be covered. Projects will vary based on self-expression approach as we explore topics like "Who am I?" "What is my relationship with myself?" "How do I relate to friends?" or "What kind of relationships do I have with my parents?" Students will be free to choose the topics that they feel most passionate about and also comfortable talking about in class with their classmates. We will use different mediums including paints, pencil, markers, and other collage elements. No artistic experience required for this class—everyone is creative and capable of expressing themselves. *Essential Question: How does my art reflect who I am?*

Digital Music Composition, Arts 1 or Computers 1

Students will learn how to create music on a computer from the ground up. The course will cover a basic treatment of harmony and music theory, focusing additionally on manipulating and complementing harmonic compositional elements through sound design, use of plug-ins, mixing, and mastering, all of which will be taught through project work in professional music production software. Students will develop a portfolio of songs they have composed, and the exhibition in this course will be a presentation of this portfolio, answering the Essential Question: "How is music created on the computer?"

Quarter 2

The Artist and Their World, Arts 1 or Social Studies 1 or World Studies/Geography 1

In this class, students will do research about different artists or art movements, as well as explore the history surrounding the artist of their choice. Historically, artists have been impacted by the rise or fall of empires, religious movements, political turbulences, as well as being influenced by other artists and artistic movements, therefore, we cannot just look at an artist's

work without considering all these factors. Finally, after understanding the times the artist lived in, we can understand better how they influenced the world around them. We will learn together about artists and their art, students will develop concepts for their papers, and feedback will be given through the writing process. By the end of the class, students will have a finished research paper that they can be proud of. *Essential Question: How do artists respond to and impact the world around them through their work?*

Quarter 3

Art and the Environment, Arts 1

This class will focus on our understanding of environmental issues and see how we, as artists, can influence an audience to be aware of the issues at stake. How do we create a thought-provoking piece of art? Students will do a bit of research on an issue of their choice, start working on sketches and concept development, and then complete the piece using different painting materials as well as masking tape or newspaper to create a three-dimensional feel to their art. There is no prerequisite for this class: I will help everyone develop their artistic voice and deliver the concept. *Essential Question: What role can art play in considering environmental issues?*

Instrumentals, Arts 1

Do you enjoy musical instruments? Have you ever wondered how they get their unique sounds? Using easily obtainable and recycled materials, students will build simple prototypes of idiophones, membranophones, aerophones, and chordophones. In the process, they will explore various designs, materials, craftsmanship, sounds, and aesthetics of each instrumental group. If possible, we will take a field trip to The House of Musical Traditions in Takoma Park, Maryland. For the final project, each student will design and build a creative instrument of his/her choice. In a science-fair style presentation, students will exhibit, explain, demonstrate, and answer questions about their instruments.

Quarter 4

Fundamentals of Design, Arts 1

Students will discover all elements and principles of two-dimensional design and how to use these principles to create compelling designs. Elements of line, shape, point, color, and positive/negative space will be introduced. Then students will learn how to combine these into the principles of design such as movement, unity, and balance. Projects will focus on each element and principle of design to slowly introduce students to the creative process of creating a piece of art. There will be several projects completed that you can be proud of. Anyone can do this! I will do my best to help everyone achieve their maximum creative potential and create intriguing and well-balanced designs. *Essential Question: What makes a good visual design?*

Songwriting & Lyrics, Arts 1 or English 1

Have you ever tried to find words for music? Or music for words? In this class, students will work on poetic techniques that can be used to communicate meaning in different types of song forms. Those focusing more on songwriting will explore different ways to capture and craft their ideas in a blend of music and text. As students develop their pieces, coaching and feedback will be available, and they may also work individually or collaboratively in the music lab. Credit type depends on the focus of the student's portfolio, some of which will be shared in the class exhibition.

B Module

Semester 1

Introduction to Sketching and Drawing, Arts 1 (+MS)

This course focuses on the development of observational skills and drawing techniques, employing a wide range of drawing media. Students in this course will develop both technical abilities and creative responses to material and subject matter. No prior experience with drawing is required or expected. Additionally, students will learn how to critique drawings and receive criticism and advice. Learning to articulate artistic concepts and processes using discipline-specific vocabulary.

Semester 2

Introduction to Designing in 3 Dimensions, Arts 1 (+MS)

In this course, students will explore interiors and architectural design through 2D using AutoCAD and 3D modeling using SketchUp. Students will explore the different styles of architecture and interior design through history and learn to recreate and adapt designs to create new, exciting, and thought-provoking environments. Creativity, critical thinking, and analysis skills will be exercised and refined through the design techniques learned. By the conclusion of this course, students will have a good understanding of architecture, color theory, and basic design concepts.

Afternoon Module

Quarter 1

Illustration, Arts 1

Have you ever wanted to create your own illustrations for a book you were reading, or illustrate an article, but didn't know where to begin? Then this is the right class for you! We'll explore different aspects of illustration from editorial to book to music albums. We'll talk about composition, perspective, points of view, lights, darks, and atmosphere. Students will have a few finished illustrations after the quarter. Students will use any art materials that they like. No experience necessary to be part of the fun!

Quarter 2

Painting and Drawing, Arts 1

In this introductory level painting and drawing class, students will learn how to use paints and how to see what they are painting or drawing. My goal is to teach you how to see and how to translate a three-dimensional space onto a two-dimensional paper or canvas. Values, composition, perspective, color theory, and mixing will be a part of the learning process. Students will draw and paint still-life, flowers, interiors, and nature using different materials and surfaces. Everyone is creative and capable, so come paint and draw with me!

Technical Theatre, Arts 1

This course will provide students with a solid foundation in all major aspects of theatre design. Instruction will focus on skills pertaining to drafting for set and lighting design. Students will make use of strategies centered on technical language, implementation, and technique. Through the course, the students will understand drafting for lighting and set design allowing the students to grow in creativity, critical thought, and analysis. This course will also work towards understanding the use of sound for theatre as well as the role of the stage manager. Students will be challenged to collaborate in groups and grow as a team as well as branch out individually to explore their own strengths and areas of interest.

Quarter 3

The Art of the Graphic Novel, Arts 1

Did you ever want to create your own graphic novel, but not know how? In this class, we'll explore different aspects of graphic novel creation from storyboarding, to illustrating your book, to developing your characters. We'll talk about composition, perspective, points of view, lights, darks, and atmosphere. Students will have a short book done after the completion of the quarter. Students will use markers or watercolors to create their illustrations. No experience necessary to be part of the fun!

Technical Theatre, Arts 1

This course will provide students with a solid foundation in all major aspects of theatre design. Instruction will focus on skills pertaining to drafting for set and lighting design. Students will make use of strategies centered on technical language, implementation, and technique. Through the course, the students will understand drafting for lighting and set design allowing the students to grow in creativity, critical thought, and analysis. This course will also work towards understanding the use of sound for theatre as well as the role of the stage manager. Students will be challenged to collaborate in groups and grow as a team as well as branch out individually to explore their own strengths and areas of interest.

Quarter 4

Art Outside, Arts 1

In this fun class we will paint or draw outside! Observation is the key to any art! We will be surrounded by beautiful nature and architecture, and most importantly, we will learn from life. How does the sun reflect upon the ground? How do shadows fall in the morning versus the afternoon? How do the colors change depending on the weather and the time of the day? So, in this class we will paint or draw what we see around us. Come join me, it will be tons of fun!

Film Appreciation: Movies of the 1980s, Arts 1 or English 1

This course will dive into the movie era of the 1980s. Students will explore different genres of movies of the period. These films will be placed into context and students will learn how to extrapolate and reflect on what themes, symbolism, and characteristics were predominant in this era through the use of film theory. After gaining this perspective, students will be able to discuss films on a deeper and more meaningful level.

Film Appreciation: The Hero/ine's Journey, Arts 1 or English 1

This course will explore the Hero/Heroine's Journey in modern adventure movies, including Hollywood blockbusters ("Raiders of the Lost Ark") and international successes ("Crouching Tiger, Hidden Dragon"), examining how these films transform the archetypal structure into fresh, compelling entertainment for contemporary audiences. We will break down the classic building blocks of structure, pacing, action, characterization, villains and conflict, realism and fantasy, and "exotic" locales and discover how these elements are remixed to keep viewers immersed and on the edge of their seats.

Dancing in Strange Places, Arts 1

This course is designed to introduce the dancer or dance lover to the art of creating interesting, stimulating dances with which the artist is satisfied. Specifically, we will be focusing on the challenge of incorporating various locations, sets, or props into dances and how best to view those dances. Throughout the course you will get a chance to experiment with various choreographic games and exercises, learn other students' choreography, learn to critique and talk about dance using ideas from Doris Humphrey among others, and create and perfect one or more substantial pieces for performance and/or video at the end of the course. Students should come to the class prepared to move, and perform frequently in front of their peers and random passersby. *If we are learning by distance, students need to have access to some video editing software they know how to use and a person and device that can record their dances and upload to their editing software.*

English (Creative Writing, Language Arts, Literature)

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
VIRGINIA	Public Speaking & Debate <i>English 1</i>	Lewis Carroll's Wonderland <i>English 1 SW</i>		Songwriting & Lyrics <i>English 1 or Arts 1</i>
JENNY	Literature of the Family <i>English 2 SW</i>			
TARYN		I, Witness: Narrators on Everest <i>English 2 SW</i>	The Guilty Pleasure Genre: Young Adult Fiction <i>English 2</i>	
JANIS	Current Events <i>English A/B</i>	Discussable Dilemmas <i>English A/B</i>		
A MODULE				
JENNY	AP English Literature & Composition (<i>SW</i>)			
HENRY	Reading and Writing Short Stories <i>English 1</i>			
JONATHAN			American Playwrights <i>English 1</i>	
B MODULE				
ALAN			John Steinbeck: Struggles in America <i>English 1</i>	
CAROLINA	English A/B			
C MODULE				
TARYN	Jane Austen In The Present Tense <i>English 2</i>		Let's Eat Grandma: Punctuation Saves Lives <i>English 1</i>	
AFTERNOON MODULE				
CAROLINA				Scholarly Writing <i>English 1 SW</i>
JONATHAN	Page to Stage <i>English 1</i>			Film Appreciation: Movies of the 1980s <i>Arts 1 or English 1</i>
ALAN				Film Appreciation: The Hero/ine's Journey <i>Arts 1 or English 1</i>
HENRY		Memoir Writing <i>English 1/2</i>		

Morning Module

Quarter 1

Public Speaking and Debate, English 1

This course is focused on developing interpersonal and public communication, discussion, presentation, and civil debating skills. Through in-class exercises, short weekly speech projects, and examples from guest speakers and short videos, students will practice skills, strategies and techniques, with the goal of improving confidence and persuasiveness. We will also explore how meanings are conveyed through nonverbal modes of communication. For the exhibition, students will research both sides of a current issue chosen by the class, summarize key pro/con arguments, then practice and participate in a formal policy debate.

Literature of the Family, English 2 (*Scholarly Writing*)

Every family is different. And every individual is shaped by their family, for good or for ill and often both. In this course, we will explore the architecture and dynamics of families through a variety of fiction, along with some literary nonfiction. We will consider how the author comments on the influence of families through the themes and structures of these stories. We will talk and write about the literary families we encounter, and try to represent their experiences through art, and we will also attempt to apply our understandings about the nature of families to the real world. *Essential Question: How do our families shape us?*

Discussable Dilemmas, English A/B

This class is a level A social studies class. Students will read, learn vocabulary, research, write, and debate dilemmas presented to them. Through these activities students will learn to write 5-paragraph essays, expand their English levels and become more prepared for level 1 classes.

Quarter 2

Lewis Carroll's Wonderland, English 1 (*Scholarly Writing*)

In this class we will go down the rabbit hole to explore the peculiar fantasy, poetry, logic, nonsense, and satire of the world created by the mathematician and writer known as Lewis Carroll (1832-1898). While delving into the indelible language, landscapes, characters, and narrative structures of *Alice in Wonderland* and *Through the Looking Glass*, we will also work on writing skills needed to communicate one's meaning more clearly. The culmination is a primary source paper addressing the essential question of how and why Wonderland still captures our imaginations today.

I, Witness: Narrators on Everest, English 2 (*Scholarly Writing*)

In this class we will read both *Into Thin Air* (Krakaur) and *The Climb* (Boukreev), exploring the fallibility of human memory and the importance of considering the narrator through the comparison of two perspectives on the same disaster. We will discuss what is effective (or not) in both stories, word choice, narration style, and more, to explore whether we can ever really know the truth through storytelling.

Current Events, English A/B

This class is a level A social studies class. Students will read newspapers, watch newscasts, and research current news and events. They will debate, report, and research the topics they learn.

Quarter 3

The Guilty Pleasure Genre: Young Adult Fiction, English 2

In this class, we will attempt to answer the question, "Why are some books about young people Young Adult novels, and other books about young people books for everyone?" We will explore whether tropes are adhered more to in one genre or the other, question whether the genre classification is mainly a matter of marketing, and discuss the value of a genre specifically about young adults, especially for the adults who read it.

Quarter 4

Songwriting & Lyrics, English 1 or Arts 1

Have you ever tried to find words for music? Or music for words? In this class, students will work on poetic techniques that can be used to communicate meaning in different types of song forms. Those focusing more on songwriting will explore different ways to capture and craft their ideas in a blend of music and text. As students develop their pieces, coaching and feedback will be available; they may also work individually or collaboratively in the music lab. Credit type depends on the focus of the student's portfolio, some of which will be shared in the class exhibition.

A Module

Year-Long

AP English Literature & Composition, English AP (*Scholarly Writing*)

The AP English Literature & Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, irony, and tone. This class will provide you with intellectual challenges and a workload consistent with a typical undergraduate university English literature course. You will read a lot of fantastic texts over the course of the year and you will produce a lot of writing, much of it timed. In depth discussions about the novels, stories, and poems we are reading will drive the class on a daily basis.

Semester 1

Reading and Writing Short Stories, English 1

A short story is a work of fiction that can be read in one sitting. Though the novel enjoys a reputation as the battleship of literature—powerful, complicated, multi-leveled—the short story is the nimble sailing yacht meant for brief, exhilarating excursions. In Short Story class we will read, discuss and analyze stories from around the world and across time. You will write your own short story, too. Come prepared to take a deep dive into this delightful genre.

Semester 2

American Playwrights, English 1

This course will explore some of the most prominent American playwrights this country has seen. Students will explore the main trends and themes that appear in American theatre from the 19th onwards. By looking at specific plays as well as background readings students will become more engaged with works they read and be able to start understanding their voices.

B Module

Semesters 1

English Foundations, English A/B

English Foundations is a required course for international ESOL students and an advisor-recommended course for students who need extra support with language skills. This class will prepare students to approach high school academics comfortably and confidently, focusing on building effective communication skills through the four parts of language (reading, writing, speaking, and listening). This includes basic grammar structure and rules, organization and clarity in writing, expansion of academic vocabulary, reading comprehension and reflection, and improvement in pace and pronunciation. During the second quarter, English Foundations will introduce academic activities that focus more strongly on research methods, analytical writing, and advanced reading comprehension. Students will have ample time to practice speaking, work collaboratively with other students, and receive one-on-one feedback about their progress with English language skills.

Semester 2

John Steinbeck: Struggles in America, English 1

Why do so many people love John Steinbeck? Sure, he won the Pulitzer Prize, the National Book Award, and the Nobel Prize for Literature, but why is he still worth reading? How do his words still speak to us today? Experience Steinbeck's humor, realism, and compassion as we read and discuss three of his best-known novels: *Cannery Row*, which follows an unforgettable cast of lovable ne'er-do-wells living in seaside Monterey, California; *The Pearl*, about a great pearl and the trouble it brings to a small Mexican village; and *The Grapes of Wrath*, about a family that flees Oklahoma for the promised land of California during the Great Depression. Time permitting, you will also read and share your thoughts about another Steinbeck work of your choice.

C Module

Semester 1

Jane Austen In The Present Tense, English 2

Jane Austen is a household name to this day, despite having lived 200 years ago. In this class, we will read two of her novels and explore the enduring themes and characters that make them treasured even by contemporary audiences, as we will see when we view their modern adaptations.

Semester 2

Let's Eat Grandma: Punctuation Saves Lives, English 1

We all know words have power, but academic spelling and grammar are just as key to scholarly writing as the words

themselves. Students will study both the building blocks of essays and the grammar principles necessary to enhance their communication. They will produce and revise multiple drafts of essays, practice essential skills of paragraph organization, and develop techniques for critical analysis and communication.

Afternoon Module

Quarter 1

Page to Stage, English 1

This course introduces and explores theater from page to stage as a live performing art. Students will explore how the written word translates into live-action by using a set of staged practices rich with social context. Learning through this tradition of theater, participants will appreciate social contexts related to the stage. Students will learn basic acting techniques through a variety of games, exercises, and texts.

Quarter 2

Memoir Writing, English 1 or 2

A memoir is a narrative or story written from your life perspective. Unlike autobiography, memoir is not comprehensive. You can determine which themes, life periods, or kinds of stories you want to narrate. Students should come to Memoir Writing class prepared to share stories and reflections from their lives, but they will not be expected to share particularly personal information. You choose what to share! Your feelings, insights, and lessons are important parts of the memoir process. Memoir class will help you become a better writer and storyteller. It will also help you cultivate a clearer sense of your own story and meaning in life.

Quarter 4

Scholarly Writing, English 1 (*Scholarly Writing*)

This is a writing workshop class with an emphasis on academic writing skills, forms, and conventions. We will review the basics of the writing process, how to approach several genres of academic writing, how to avoid common pitfalls, and how to use formatting and citation conventions (such as MLA). Most of your time in this class will be devoted to working on your own writing, and as your writing coach, your teacher will consult with you throughout the process. This class will offer additional help to students learning the method of analytical writing and help them meet The New School's expectations in preparation for the senior exhibition.

Film Appreciation: Movies of the 1980s, Arts 1 or English 1

This course will dive into the movie era of the 1980s. Students will explore different genres of movies of the period. These films will be placed into context and students will learn how to extrapolate and reflect on what themes, symbolism, and characteristics were predominant in this era through the use of film theory. After gaining this perspective, students will be able to discuss films on a deeper and more meaningful level.

Film Appreciation: The Hero/ine's Journey, Arts 1 or English 1

This course will explore the Hero/Heroine's Journey in modern adventure movies, including Hollywood blockbusters ("Raiders of the Lost Ark") and international successes ("Crouching Tiger, Hidden Dragon"), examining how these films transform the archetypal structure into fresh, compelling entertainment for contemporary audiences. We will break down the classic building blocks of structure, pacing, action, characterization, villains and conflict, realism and fantasy, and "exotic" locales and discover how these elements are remixed to keep viewers immersed and on the edge of their seats.

Foreign Languages (French, German, Spanish)

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
A MODULE				
CLARA			Spanish 2	
JULIE			French 2	
VIRGINIA			German 2	
B MODULE				
CLARA			Spanish 1	
JULIE			French 1	
VIRGINIA			German 1	
C MODULE				
CLARA			Spanish 3/4	
JULIE			French 3/Honors	
VIRGINIA			German 3/Honors	
AFTERNOON MODULE				
CLARA	Honors Spanish Seminar		AP Spanish Prep	Honors Spanish Seminar

A Module

French 2, Foreign Language

Oui oui! In this class, we will focus on continued reading, writing, speaking, and listening development through classroom activities like songs, movies, blog posts, and skits, as well as short reading selections and grammar exercises. You will continue to develop your French vocabulary, grammar, pronunciation, and cultural understanding, and you'll have a great time. On y va!

German 2, Foreign Language

In German 2, students strengthen their listening, reading, writing, and speaking skills, with emphasis on the past and future tenses. In addition to familiar and fresh material from the new *Klasse! A1* textbook, students will continue to explore German, Austrian, and Swiss videos, film, art, music, literature, and other authentic content. Assessments are both skill and project based, with the goal of enjoying more fluent conversation *auf Deutsch*. Several field trips are planned, including our annual Heidelberg *Bäckerei* lunch trip.

Spanish 2, Foreign Language

Spanish 2 builds upon knowledge gained in Spanish 1. This course will also reinforce the skills learned in Spanish I: listening, speaking, reading and writing. Emphasis is on perfecting pronunciation, mastery of the basic grammatical structures, and increased communicative proficiency. Acquisition of functional vocabulary is expected. Through films and readings presented and discussed in class, we learn about culture, emphasize conversation and solidify the student's interpersonal skills.

B Module

French 1, Foreign Language

Have you ever eaten at a French restaurant and wanted to know what the menu said? Have you longed to whisper sweet nothings to your chéri in the language of love? Have you ever wondered where words like “fondue” and “cul-de-sac” and “deja vu” come from? Well, here's your chance to find out! In this class, you will be introduced to the beauty of the French language, with both its similarities to English and its quirks. Starting with the basics, you will learn how to hold simple conversations on a wide range of common topics, and get familiar with new vocabulary and grammar concepts. Allons-y!

German 1, Foreign Language

Germany - origin of the brass band, cheese cake, gummi bears, hamburger, techno, and roots of the English language. Over the year, students will work on developing basic listening, speaking, reading, and writing skills in this increasingly important European language. The immersion approach, anchored by our new *Klasse! A1* curriculum, includes authentic teen themes, stories, videos, music, and activities. Assessments are both skill and project based. For our yearly Oktoberfest, students share a taste of German food and culture. Several field trips are in the works, including a visit to the German-American Heritage Museum and the Heidelberg *Bäckerei* lunch trip in December.

Spanish 1, Foreign Language

Spanish 1 is a dynamic and interactive introduction to the Spanish language and culture. Through easy readings, everyday dialogues, songs and movies, the students will learn basic vocabulary and grammar structures for daily routine situations while expanding their knowledge about the culture and customs of the Spanish-speaking world.

C Module

Honors French, Foreign Language Honors

In Honors French, you will deepen your understanding of French grammar, continue to expand your French vocabulary, and develop your speaking and writing skills. Both project-based and exercise-based, students will work on activities throughout each quarter that result in both written and spoken presentations. Games, compositions, films, and literature will be prominent in the classroom, and students are expected to rise to the challenge. *Venez profiter!*

German 3/Honors, Foreign Language Advanced/Honors

In Advanced and Honors German, students deepen their listening, reading comprehension, and conversation skills through diverse authentic material, including current newscasts, articles, scripts, games, music, videos, and films. Book selections will be tailored as much as possible to individual reading levels and interests. As needed to strengthen their written communication and *Rechtschreibung*, students will work through a *Gymnasium Arbeitsheft 5* together. Assessments are both skill and project based, and the class will be conducted almost exclusively *auf Deutsch*. Several cultural field trips are planned, including a visit to the German Embassy and our annual Heidelberg *Bäckerei* lunch trip.

Spanish 3/4, Foreign Language Advanced/Honors

Spanish 3/4 is conducted primarily in Spanish. This course is designed for students who want to continue expanding their knowledge of the Spanish language and culture. Through the readings and films presented in this class, the course reviews and refines grammar structures, expands vocabulary, and improves students' oral and written communication skills through discussions, written reports, and presentations. Cultural aspects are closely integrated with the language elements, giving students an appreciation for the diversity and cultural richness of the Spanish-speaking world.

Afternoon Module

Honors Spanish Seminar and AP Spanish Prep

Only in Spanish! These courses are designed to provide students with a variety of opportunities to further improve their proficiency in the four language skills. Through literature, current event readings and films presented in class, these courses emphasize communication by applying interpersonal, interpretive and presentational modes of communication in real life situations. We also will review and refine grammar structures and expand vocabulary. Cultural aspects are closely integrated with the language elements. The first quarter will focus on deepening the understanding of Spanish grammar with an introduction to some of the topics of the AP Exam. This course is open to students who have successfully finished Spanish 3/4. The third quarter will be dedicated entirely to the preparation of the AP Spanish Language and Culture Exam. This course is open to Spanish 4 students who took the Honors Spanish Q1 class, and to all Spanish 5 students. The quarter four class is another option for those who want to continue studying high level Spanish later in the year.

Mathematics & Applied Math

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
EDEN			Mathematics of Baking <i>Applied Math 1 (with Rachel's AM)</i>	
A MODULE				
JANIS	Pre Algebra			
SHANNAN	Algebra 1			
SAVI	Geometry			
RACHEL	Algebra 2			
EDEN	Pre Calculus			
B MODULE				
JANIS	Middle School Math Concepts			
SHANNAN	Algebra 1			
SAVI	Geometry			
RACHEL	Calculus			
EDEN	AP AB Calculus			
C MODULE				
JANIS	Pre Algebra			
SHANNAN	Foundations of Algebra 2			
RACHEL	Algebra 2			
EDEN	Pre Calculus			
SAVI	Math in Art <i>Applied Math 1</i>			
AFTERNOON MODULE				
EDEN		Topics in Advanced Mathematics <i>Applied Math 2</i>		
HENRY				21st Century Economics <i>Applied Math 2 or Social Studies 2</i>
SHANNAN			Personal Finance <i>Applied Math 1 or Social Studies 1</i>	

Morning Module

Quarter 3

Mathematics of Baking, Applied Math 1 (*students must also sign up for the Chemistry of Baking class during Afternoon Module*)

This course will explore different ingredients and cooking processes involved in baking from a mathematical and chemical perspective. Beyond learning about the scientific underpinnings of the ingredients and processes, students will engage in the details of recipe building and execution. Students are required to have parent/guardian permission to use the stove/oven in their house and must bring their own non-reactive mixing bowl and spoon to class. This class is a joint morning and afternoon module course and students must sign up for both.

A Module

Year-Long

Pre-Algebra

Pre Algebra is a one-year course of Algebraic concepts. During the year students will explore units divided into numerous sub-topics. The units include but are not limited to fractions, decimals, negative numbers, equations, exponents, and statistics.

Algebra 1

This most fundamental of mathematics courses covers the basics of solving and graphing linear and quadratic equations. Additionally, students will learn to factor equations, simplify radicals, and solve systems of equations. Focus Skills: Solving Problems and Making Connections and Being Aware of Context.

Geometry

This comprehensive course in geometry is designed to build logical reasoning and spatial visualization skills. The class is largely cumulative, as is all mathematics, in that we will continue to build on and utilize what we have already learned. Topics to be covered include deductive reasoning, lines in a plane, study of polygons with particular stress on triangles, transformations, congruence, similarity, properties of circles, constructions, areas and volumes of solids, coordinate geometry and basic trigonometry.

Algebra 2

Algebra 2 is divided into three topics: 1) the basic mechanics of algebra—an extension of what was learned in Algebra 1; 2) the principle of functions—the idea that equations can be seen as mathematical “machines” which take input and create output; 3) the idea of “modeling”—that functions can be used to represent real behavior in the world. Students will learn and review work with linear functions before expanding into quadratics, exponential, and logarithmic functions, as well as basics of trigonometry (building on principles learned in Geometry). Algebra 2 prepares students for Pre-Calculus.

Pre-Calculus

This course builds on the concepts learned in Algebra 2 and prepares you for calculus and other advanced math courses you may take in the future. Specifically, we will study various families of functions, the parametric and polar forms of representing functions and other relations, trigonometry, matrices and some isolated topics in discrete mathematics; if there is time there will be a brief introduction to the concepts of instantaneous rates of change and limits (the beginnings of calculus!). There will be a strong focus on viewing functions from various perspectives (such as verbal, numeric, graphical, and algebraic). Throughout the course, we will use the graphing calculator (TI-84) technology to help us understand functions from these various perspectives.

B Module

Middle School Math Concepts

Junior High Concepts is a one-year math course. During the year students will explore units divided into numerous sub-topics. The units include but are not limited to ratios, percentages, Arithmetic operations, variables and expressions, equation basics, and interpreting data.

Algebra 1

This most fundamental of mathematics courses covers the basics of solving and graphing linear and quadratic equations. Additionally, students will learn to factor equations, simplify radicals, and solve systems of equations. Focus Skills: Solving Problems and Making Connections and Being Aware of Context.

Geometry

This comprehensive course in geometry is designed to build logical reasoning and spatial visualization skills. The class is largely cumulative, as is all mathematics, in that we will continue to build on and utilize what we have already learned. Topics to be covered include deductive reasoning, lines in a plane, study of polygons with particular stress on triangles, transformations, congruence, similarity, properties of circles, constructions, areas and volumes of solids, coordinate geometry and basic trigonometry.

Calculus

This class will cover the basics of calculus – limits, derivatives, and integrals – with in-depth looks at both the conceptual and computational aspects. The class will not be paced to the AP exam, but rather to the students’ understanding and should prepare students to either take BC Calculus next year in high school or Calculus 2 in college.

AP AB Calculus

This class is geared toward the AP Calculus AB test taking place in May. This means we will cover Functions, Limits, Derivatives, and Integrals as well as some applications. Periodically we will review actual AP tests from past years in order to prepare for the AP test. Since the final objective of this course is to have you ready to take the AP test, we will be moving at a steady pace.

C Module

Year-Long

Pre-Algebra

Pre Algebra is a one-year course of Algebraic concepts. During the year students will explore units divided into numerous sub-topics. The units include but are not limited to fractions, decimals, negative numbers, equations, exponents, and statistics.

Algebra 2 (Foundations)

The purpose of this course is to prepare students for Algebra 2 and, in certain cases, Pre- Calculus. We will focus on fortifying the basic mechanics of algebra, including working with integers, fractions, linear and quadratic equations and their graphs, radicals, roots, and some basic trigonometry. This class can take a more relaxed approach and can be a place where real transformation can occur.

Algebra 2

Algebra 2 is divided into three topics: 1) the basic mechanics of algebra—an extension of what was learned in Algebra 1; 2) the principle of functions—the idea that equations can be seen as mathematical “machines” which take input and create output; 3) the idea of “modeling”—that functions can be used to represent real behavior in the world. Students will learn and review work with linear functions before expanding into quadratics, exponential, and logarithmic functions, as well as basics of trigonometry (building on principles learned in Geometry). Algebra 2 prepares students for Pre-Calculus.

Pre-Calculus

This course builds on the concepts learned in Algebra 2 and prepares you for calculus and other advanced math courses you may take in the future. Specifically, we will study various families of functions, the parametric and polar forms of representing functions and other relations, trigonometry, matrices, and some isolated topics in discrete mathematics; if there is time there will be a brief introduction to the concepts of instantaneous rates of change and limits (the beginnings of calculus!). There will be a strong focus on viewing functions from various perspectives (such as verbal, numeric, graphical, and algebraic). Throughout the course, we will use the graphing calculator (TI-84) technology to help us understand functions from these various perspectives.

Semester 1

Math in Art, Applied Math 1

Math and Art seem to be two very diverse topics. This Math in Art course aims to help you see that Mathematics is not just about equations and logic but also about patterns, symmetry, structure and beauty in nature and art. You will be surprised to find how nature has integrated these two disciplines so well. We will investigate Fibonacci Sequence, Golden Ratio, Fractals & Mandelbrot Set through play of numbers in nature & man-made objects, Bezier curve through string art, theorems involving folding papers to precise measurements through origami, geometric patterning through agamographs & quilting.

Afternoon Module

Quarter 2

Topics in Advanced Mathematics, Applied Math 2

Students who have completed at least Algebra 2 are invited to come explore a variety of topics to be chosen by the class. Possibilities include (but are not limited to) Number Theory, Set Theory, Abstract Algebra, Graph Theory, Knot Theory, Transfinite Arithmetic, and Statistics. Throughout the course, students will build a portfolio of their work and will start building the proof-writing skills that are utilized in most college-level math courses.

Quarter 3

Personal Finance, Applied Math 1 or Social Studies 1

Financial literacy is key to helping us reach our goals in life. It is essential that we are able to recognize options, analyze those options, and plan for our success. Students will learn strategies for managing and tracking their spending and saving. We will discuss the many financial decisions that will likely affect students' lives from selecting a credit card, understanding your credit score, saving for retirement, buying a house or a car and what expenses they can expect to incur when they are out on their own.

Quarter 4

21st Century Economics, Applied Math 2 or Social Studies 2

The world is changing rapidly, and one must understand the economics of the global economy to understand our world. In this course we will briefly review fundamental economic concepts and then dive into the brave new world of 21st century economics, including the changing workplace, new economic sectors, globalization, inequality, and the explosive growth of economies of Asia and Africa. Throughout the quarter we will conduct a market simulation through which students will experience the diversity and complexity of 21st century economics.

Physical Education & Health

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
DANNY		Historic Innovations in Health <i>Health 1 or General Science 1 SW</i>		
C MODULE				
HENRY	Nature Walking for Wellbeing <i>PE 1 or Health 1</i>		Yoga for Wellbeing <i>PE or Health 1</i>	
AFTERNOON MODULE				
RACHEL		Basketball <i>PE 1</i>		
DANNY			Sports, Culture, & Wellness <i>Health 1 or Social Studies 1</i>	Frisbee PE 1
TBD	Personal Fitness <i>PE 1</i>			

Morning Module

Quarter 2

Historic Innovations in Health, Health 1 or General Science 1 (*Scholarly Writing*)

“Historic Innovations in Health” focuses on the advances in science, technology, and more, that helped to shape the standards of health we experience today. We will also delve into societal trends and changes that affect the way healthcare is delivered to people. Innovations in health aren’t just centered around physical health, we will also be learning about how humans’ mental health has been affected over time by improvements to the fields of psychology and psychopharmacology. As a class, we will delve into some of the technical aspects of the human body in order to better understand what we are learning about the breakthroughs we study. The class will culminate with a research paper about innovation in an area of each student’s choosing.

C Module

Semester 1

Nature Walking for Wellbeing, PE 1 or Health 1

Studies have shown that time in nature improves wellbeing, and walking is one of the best forms of low-impact exercise. Most days we will engage in what the Japanese call shinrin-yoku or “forest bathing” as we walk along local paths and engage with nature. We will also complete exercises from Henry’s new book *Positive Psychology for Teens*. Come take a walk in the woods and contemplate the beauties of nature and life itself!

Semester 2

Yoga for Wellbeing, PE or Health 1

Ancient yoga is an Indian system of mind-body exercises for spiritual wellbeing. The modern practice of Hatha Yoga involves special techniques of breathing, concentration and exercise that strengthen the body and calm the mind. In Yoga for Wellbeing we will practice Hatha Yoga to enhance mental and physical health. We will read selections from Henry’s book *Positive Psychology for Teens* and complete exercises that complement our yoga practice. Everyone is welcome because everyone can do yoga! Exercises will be adjusted and adapted for individual needs.

Afternoon Module

Quarter 1

Personal Fitness, P.E. 1

As human beings, our bodies were designed to move! In this class, all learning will be done by moving in ways you may or may not have experienced before. As a group and in 1 on 1 sessions, you will discover the basic components of fitness including, mobility, strength, endurance, and speed, and the basic human movement patterns. In addition, you will explore what types of exercise you enjoy doing, as being able to enjoy getting and staying fit throughout your life is the number one most important factor that contributes to consistent fitness over time. Therefore, in this course each of you will also have the opportunity to explore what types of movement you enjoy doing to create a foundation of movement knowledge that you can carry with you for the rest of your life!

Quarter 2

Basketball, P.E. 1

Our minds and bodies are intricately connected: a healthy mind makes a healthy body. Likewise, a healthy body makes a healthy mind. It is through a course of basketball that we may explore this concept, and your teacher is an avid player. We will be indoors much of the time stretching, running, passing, and playing basketball. Basketball is a social activity that requires personal collaboration: participation is mandatory, and we will have fun.

Quarter 3

Sports, Culture, & Wellness, Health 1 or Social Studies 1

“Sports, Culture, & Wellness” will take students through a tour of sports throughout the globe as we interpret how the cultures surrounding these sports impact the athletes that play them. We will analyze the various sports by looking at their impacts on physical health, mental health, and society, as well as how society and concerns for health impacted the sports in return. As a class, we will delve into some of the technical aspects of the human body in order to better understand what we are learning about the topics we study. Students will round out the course by becoming an expert on a sport of their choosing, researching its relationship with culture and wellness, and then sharing their findings as teachers to their peers.

Quarter 4

Frisbee, P.E. 1

Our minds and bodies are intricately connected: a healthy mind makes a healthy body. Likewise, a healthy body makes a healthy mind. It is through a course of frisbee that we may explore this concept. We will be outdoors much of the time--stretching, running, passing, and playing Frisbee. Frisbee is a social activity that requires personal collaboration: participation is mandatory, and we will have fun.

Sciences (Biology, Chemistry, Physics, General Science)

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
JENNY		AP Psychology <i>General Science or Social Studies SW</i>		Psychology of Language <i>General Science 2 or Social Studies 2</i>
DIANA	Plants and Society <i>Biology 1</i>	Does your DNA define you? <i>Biology 1/2 SW</i>	Stoichiometry: Calculating Chemical Quantities <i>Chemistry 1 SW</i>	Biological Macromolecules and Nutrition <i>Biology 2</i>
DANNY		Historic Innovations in Health <i>General Science 1 or Health 1 SW</i>		
RACHEL	Soil Chemistry <i>Chemistry 2</i>			
A MODULE				
BILLY	AP Physics C: Mechanics and Electricity & Magnetism			
B MODULE				
DIANA	Geology <i>General Science 1</i>		Survival Science <i>General Science 2</i>	
C MODULE				
SAVI		Optics of Lenses and Mirrors <i>Physics 1</i>		
AFTERNOON MODULE				
RACHEL			Chemistry of Baking <i>Chemistry 1 (w/Eden MM)</i>	
DIANA	Invertebrate Zoology <i>Biology 1</i>	AP Biology		Forensic Chemistry <i>Chemistry 2</i>
SAVI	History of the Periodic Table <i>Chemistry 1</i>	Nuclear Chemistry <i>Chemistry 1 (+8th)</i>		
BILLY		Acoustics and Speakers <i>Physics 1 (+8th)</i>		

Morning Module

Quarter 1

Soil Chemistry, Chemistry 2

In this course, we will explore soil as chemists! Students will explore inorganic concepts (ions, pH, reactions) then work in the lab to connect these principles to soil. Students can look forward to testing soil, analyzing compost, and growing plants in “perfect” conditions. This course will be project based with a large focus on experiment design and data analysis. *Essential Question: As a school, how can we create the perfect soil for the pollinator garden?*

Plants and Society, Biology 1

This course will focus on plant structures and classifications as well as how plants and humans have shaped each other throughout human history. After studying plant anatomy and reproduction, we will look at the impact that commercial agriculture and trade have had on the world. We will also examine flower structures, pollination, and food security. Additionally, we will examine how some plant compounds are concentrated to turn them into highly addictive substances, and how governments react. *Essential Question: How do plants change human society?*

Quarter 2 & 3

AP Psychology, General Science or Social Studies (Scholarly Writing)

The AP Psychology course is designed to introduce you to the systematic and scientific study of the behavior and mental processes of human beings and other animals. You will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. You will also learn about the ethics and methods psychologists use in their science and practice. This course will provide you with intellectual challenges and a workload consistent with a typical introductory psychology class at an undergraduate university. There will be a lot of content to learn, scenarios to analyze, and interesting questions to discuss. The work expectations will include creative projects, exploration of research, practice multiple choice, lots of discussion, and frequent short writing assignments, often timed. As a culmination of the course, you will take the AP Psychology Exam (required) which may allow you to earn college credit.

Quarter 2

Does your DNA Define You?, Biology 1/2 (*Scholarly Writing*)

Our genes define many of our characteristics, but do they define the trajectories of our lives? This course will explore basic DNA concepts (structure, replication, cell division, heredity and gene expression), study examples of genetic disorders, and then move into issues of bioethics, genetic counseling, genetic discrimination, and gene therapy. Students will explore a DNA-related topic of their choice for their scholarly writing in the form of a research paper. *Essential Question: To what extent does your DNA Define You?*

Historic Innovations in Health, General Science 1 or Health 1 (*Scholarly Writing*)

“Historic Innovations in Health” focuses on the advances in science, technology, and more, that helped to shape the standards of health we experience today. We will also delve into societal trends and changes that affect the way healthcare is delivered to people. Innovations in health aren’t just centered around physical health, we will also be learning about how humans’ mental health has been affected over time by improvements to the fields of psychology and psychopharmacology. As a class, we will delve into some of the technical aspects of the human body in order to better understand what we are learning about the breakthroughs we study. The class will culminate with a research paper about innovation in an area of each student’s choosing.

Quarter 3

Stoichiometry: Calculating Chemical Quantities, Chemistry 1 (*Scholarly Writing*)

This course is an introduction to basic calculations involving chemical equations using Avogadro’s number, the mole, and molar mass. It will also discuss optimal conditions for experiments, theoretical yield and actual yield, and sources of error for error analysis. More advanced problem sets will include complex unit conversions and critical thinking strategies. Students will practice scholarly writing by producing formal lab reports and will enter an original project into the Q3 science fair showing optimization of chemical yields. *Essential Question: How can chemical quantities be calculated and verified?*

Quarter 4

Psychology of Language, General Science 2 or Social Studies 2

Perhaps the most incredible human feat is one that we all accomplish: learning our native language as an infant, without any direct instruction. How does natural language acquisition happen? Furthermore, what is going on in our brain when we process and produce language? How do we adjust our language in various social situations? How did humans develop the remarkable ability to communicate with such complexity in the first place? What happens when something interferes with language acquisition? In addition to exploring these questions, this course serves as an introduction to the basic concepts of linguistics - including phonology (sounds), morphology (the makeup of words), and syntax (grammar) - using the English language as a case study, and comparing it to other global languages. *Essential Question: How does the mind create language?*

Biological Macromolecules and Nutrition, Biology 2

If you’ve ever tried to read nutritional labels or vitamins to see what in them is “good for you,” it can get confusing. What are Omega 3s, 6s, and 9s? Which is better for slower-burning energy--a polysaccharide or a monosaccharide? Is a calorie just a calorie or does nutritional profile matter? What are the chemical and physical properties of these molecules and how can they be used to our advantage? If you want to know what you are eating, its structure, how it works, and what it does to you, this class is for you. *Essential Question: How do biological macromolecules interact with the body?*

A Module

Year-Long

AP Physics C: Mechanics and Electricity & Magnetism

This course will prepare students for the two AP Physics tests: Mechanics and Electricity & Magnetism. The first section deals with the workings of everyday objects, such as projectiles, springs, pulleys, and pendulums. Learning these topics helps to understand the way machines, collisions, the human body, and other macroscopic objects work. The second section deals with

the way in which the subatomic particles that make up everyday objects interact on a more foundational level. Utilizing this understanding has led to revolutions in electronics and sparked the digital revolution of the 20th century. Calculus is a corequisite for this course.

B Module

Semester 1

Geology, General Science 1

Have you ever wondered what rocks are made of, how gems and crystals form, what causes an earthquake, or where mountains come from? We will explore these topics and more by learning about matter on Earth and the chemical and physical processes that shape it into the rocks and landforms we know today. *Essential Question: How do Earth materials and processes shape what we see in rocks and landforms today?*

Semester 2

Survival Science, General Science 2

If you woke up one day without the conveniences of modern society, how long would you last? How can your knowledge of chemistry, biology, and engineering practice help you create tools to meet your physical needs? In this class, students will get to learn about the science of survival, and then apply what they learned in both urban and wilderness settings. Topics such as water purification, food preservation, homeostasis, and heat conservation are covered. *Essential Question: How can I use material resources and scientific principles to adapt to survival situations?*

C Module

Semester 2

Optics of Lenses and Mirrors, Physics 1

This course will be geared towards understanding the physics behind the human eye and corrective lenses, camera, microscope, telescopes, periscope, 3D movies etc. This involves the study of reflections, refractions, illuminations, geometry in optics of lenses and mirrors: ray diagrams and equations, interference, diffraction, and polarization.

Afternoon Module

Quarter 1

Invertebrate Zoology, Biology 1

Over 90% of the world's animals are invertebrates... and they have been the most successful animals throughout geologic time. What accounts for this success? How do their body plans solve adaptive "problems" in order to survive, reproduce, and thrive in their environments? How have changing earth conditions allowed for periods of rapid evolutionary change? We will explore invertebrate evolution, body structure and function, taxonomy, adaptations, and more. *Essential Question: How do invertebrate body plans reflect adaptation to their changing environments?*

History of the Periodic Table, Chemistry 1

Chemistry is a branch of science which has been studied since prehistoric times to understand the matter around us. We will study the discovery of the various elements and chemical processes and the evolution of the Periodic Table as we know today. In this journey we will explore the works of various scientists/chemists who contributed to the knowledge of chemistry as we know today.

Quarter 2 & 3

AP Biology

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Some pre-course and post-course work will be required in preparation for the AP exam. *Essential Question: How do living things operate at different levels of organization (subcellular through ecosystem)?*

Quarter 2

Nuclear Chemistry, Chemistry 1 (+8th)

Ancient alchemists attempted to convert various elements into gold and failed in their quest. We know now that an element can be changed to another element only by changing the composition of its nucleus. In this course we will discuss atomic structure, the nuclear mass in particular, the forces holding the subatomic particles together, radioactive decays, fission, fusion, balancing nuclear reactions, half-life calculations, mass-energy conversions, applications of nuclear energy, nuclear plant construction & maintenance, nuclear accidents and lessons learned from those accidents.

Acoustics and Speakers, Physics 1 (+8th)

This course studies the behavior of sound from the moment it is generated to the moment it is recognized by the human ear. We will study how different environments affect sound, as well as how best to reproduce sound electronically, and why recorded sound never sounds quite like a live performance. This course will cover the fields of waveform analysis, electronics, and mechanics, with a culminating project for which the students build their own speakers.

Quarter 3

Chemistry of Baking, Chemistry 1 (*students must also sign up for the Mathematics of Baking class during Afternoon Module*)

This course will explore different ingredients and cooking processes involved in baking from a mathematical and chemical perspective. Beyond learning about the scientific underpinnings of the ingredients and processes, students will engage in the details of recipe building and execution. Students are required to have parent/guardian permission to use the stove/oven in their house and must bring their own non-reactive mixing bowl and spoon to class. This class is a joint morning and afternoon module course and students must sign up for both.

Quarter 4

Forensic Chemistry, Chemistry 2

Forensic scientists rely heavily on DNA evidence to convict criminals, but they also use chemical analysis to piece together the details of how crimes are committed. From poisoning to art forgery, we will examine the role of chemical evidence in forensic science using techniques such as toxicology, isotope analysis, and spectrometry. We will use true-crime-based Forensic Files episodes in class as well as explore popular fictional CSI shows. *Essential Question: What can I infer about crimes from chemical evidence?*

Humanities (Government, Social Sciences, Social Studies, US History, World Studies & Geography)

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
TARYN	Boom, Bust, and War: America After WWI <i>US History 1</i>			Game Theory in Government <i>Government 1</i>
BILLY		Democracy and Corruption <i>Government 2 SW</i>	The 2020s <i>Social Studies 1 SW</i>	
CAROLINA	Social Movements through Music <i>Social Studies 2</i>	The Civil War <i>US History 1 SW</i>	Appalachian Origins of America <i>US History Honors SW</i>	Music Cultures of the World <i>World Studies/Geography 1</i>
JENNY		AP Psychology <i>Social Studies or General Science SW</i>		Psychology of Language <i>Social Studies 2 or General Science 2</i>
NATALIYA		The Artist and Their World <i>Arts 1, Social Studies 1, or WSG 1</i>		
A MODULE				
HENRY			The Axial Age: Philosophy and Religion Circa 500 B.C.E. <i>World Studies/Geography 2 SW</i>	
TARYN	The War to End All Wars <i>World Studies/Geography 1</i>			
B MODULE				
ALAN	Modern European History <i>World Studies/Geography 2</i>			
CAROLINA			Introduction to American Government <i>Government A/B</i>	
AFTERNOON MODULE				
CAROLINA		American Women of the 20th Century <i>US History 2</i>	American Political Parties <i>Government 2</i>	
HENRY	The Presidential Election <i>Government 1/2</i>		History and Culture of Japan <i>World Studies/Geography 1 (+8th)</i>	21st Century Economics <i>Social Studies 2 or Applied Math 2</i>
ALAN			The Mexican Revolution <i>World Studies/Geography 1 (+8th)</i>	
DANNY	Criminology & Psychology <i>Social Studies 2</i>		Sports, Culture, & Wellness <i>Social Studies 1 or Health 1</i>	
SHANNAN			Personal Finance <i>Applied Math 1 or Social Studies 1</i>	

Morning Module

Quarter 1

Boom, Bust, and War: America After WWI, US History 1

The years after World War One were an important turning point in the making of the American nation, with perhaps the greatest impact of the war being a shift in the landscape of ideas about economics and about the proper role of government in economic activities. We will study the wealth and prosperity of the Roaring 20s, the economic bust that became the Great Depression, and the subsequent efforts to rebuild as a world power, examining the new America between 1917 and 1940.

Social Movements through Music, Social Studies 2

Music has always been a social tradition. The function and sounds of music have evolved throughout the centuries, though perhaps never as rapidly as in the 1900s. With advancements in technology and growth in mass media, music mobilized social changes and provided a medium for the expression of minority groups during the twentieth century. They used music to articulate social ideas and demands and to consolidate revolutions. In this class, we will investigate these social transformations through the lens of music.

Quarter 2 & Quarter 3

AP Psychology, Social Studies or General Science (*Scholarly Writing*)

The AP Psychology course is designed to introduce you to the systematic and scientific study of the behavior and mental processes of human beings and other animals. You will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. You will also learn about the ethics and methods psychologists

use in their science and practice. This course will provide you with intellectual challenges and a workload consistent with a typical introductory psychology class at an undergraduate university. There will be a lot of content to learn, scenarios to analyze, and interesting questions to discuss. The work expectations will include creative projects, exploration of research, practice multiple choice, lots of discussion, and frequent short writing assignments, often timed. As a culmination of the course, you will take the AP Psychology Exam (required) which may allow you to earn college credit.

Quarter 2

The Artist and Their World, Arts 1 or Social Studies 1 or World Studies/Geography 1

In this class, students will do research about different artists or art movements, as well as explore the history surrounding the artist of their choice. Historically, artists have been impacted by the rise or fall of empires, religious movements, political turbulences, as well as being influenced by other artists and artistic movements, therefore, we cannot just look at an artist's work without considering all these factors. Finally, after understanding the times the artist lived in, we can understand better how they influenced the world around them. We will learn together about artists and their art, students will develop concepts for their papers, and feedback will be given through the writing process. By the end of the class, students will have a finished research paper that they can be proud of. *Essential Question: How do artists respond to and impact the world around them through their work?*

Democracy and Corruption, Government 2 (*Scholarly Writing*)

Liberal democracy has grown to dominate political thought in the past three hundred years. It has been adopted in waves by more and more countries, causing thinkers at the end of the Cold War to argue that we had reached the so-called *End of History*--that liberal democracy represented a final state in human socio-political evolution. Things have changed dramatically in the last three decades, with a resurgence of nationalism and authoritarianism threatening the ideological hegemony. This course will examine the relationship between corruption in democratic countries and the rise of anti-democratic movements, with students writing research papers answering the essential question: *"How can liberal democracy reassert itself in the face of nationalist and authoritarian movements?"*

The Civil War, US History 1 (*Scholarly Writing*)

No period in American history endured more hostility at home than that of the Civil War. The story of the Civil War began two decades before the first shot at Fort Sumter with years of ideological conflicts throughout America. This class will be an in-depth study of the twenty years from 1845 to 1865. Emphasis will be placed on the coming of the Civil War, the secession crisis, and on both the military and nonmilitary events of the war years. Special attention will be given to the objectives behind each side's struggles and the multiple "freedoms" for which the war was fought.

Quarter 3

The 2020s, Social Studies 1 (*Scholarly Writing*)

Decades provide a useful opportunity to look at how society has changed. The 2010s saw dramatic changes or innovations in technology, domestic and global politics, and culture, among many other categories. It's hard to imagine predicting the world of today back in 2010, but that's the task we're aiming to accomplish in this class. We will look at current and emerging trends in demographics, technology, the economy, and other fields to make predictions for the decade ahead. Students will present exhibitions answering the essential question: *"How will the world of 2030 be different from today?"*

Appalachian Origins of America, US History Honors (*Scholarly Writing*)

Some of America's deepest cultural roots began in the backcountry of Appalachia, where determined families planted one of the United States' most enduring ideologies, one that persists today. The identity and politics of this ideology are richly layered, controversial, and have heavily impacted our modern society. Appalachian Origins of America will study this group of people and consider the historical and modern implications. This class will heavily depend on reading and academic discussion, and we will practice and perfect the art of scholarly writing.

Quarter 4

Game Theory in Government, Government 1

Arms races between superpowers or local rival nations offer an interesting look at strategic thinking. Both countries are better off when they cooperate and avoid an arms race. Yet the dominant strategy for each is to arm itself heavily. This example of “The Prisoner’s Dilemma” is just one facet of game theory, the formal study of strategic decision making, of strategy and conflict--something we see in governmental decisions time and again. The application of game theory to political science is focused in the overlapping areas of fair division, political economy, public choice, war bargaining, positive political theory, and social choice theory. In this class, we will study the concepts and philosophy of game theory, and their applications as used in political situations across time.

Music Cultures of the World, World Studies/Geography 1

Rhythm, tone, instruments, and even the function of music have always been defined differently across the world. Beethoven and Bo Ya, two legendary composers, would not have been able to play each other's music, and music was rarely heard in Iran's shopping malls in the late 1900s. The course Music Cultures of the World will examine the role of music in various cultures while realizing that, though music is a distinct human phenomenon, it is not, in fact, a universal language. We will study music across the globe, from Japan to the Caribbean, and analyze what it reveals about the rich, complex traditions of the world's peoples. These lessons will be supplemented by brief, relevant histories of the different societies, as well as discussions of the varying musical elements.

Psychology of Language, Social Studies 2 or General Science 2

Perhaps the most incredible human feat is one that we all accomplish: learning our native language as an infant, without any direct instruction. How does natural language acquisition happen? Furthermore, what is going on in our brain when we process and produce language? How do we adjust our language in various social situations? How did humans develop the remarkable ability to communicate with such complexity in the first place? What happens when something interferes with language acquisition? In addition to exploring these questions, this course serves as an introduction to the basic concepts of linguistics - including phonology (sounds), morphology (the makeup of words), and syntax (grammar) - using the English language as a case study, and comparing it to other global languages. *Essential Question: How does the mind create language?*

A Module

Semester 1

The War to End All Wars, World Studies / Geography 1

On the eve of the First World War, many Europeans cheered for a “war to end all wars.” It achieved nothing of the like, instead inaugurating a century of war and unthinkable destruction. This class will explore the history of the first truly global conflict, examining its origins, its course, its aftermath, and how it might help us better understand our own world today.

The Axial Age: Philosophy and Religion Circa 500 B.C.E., World Studies / Geography 2 (*Scholarly Writing*)

For reasons still unclear, philosophy and religion flourished around the world 2500 years ago. Was this a coincidence or did humanity turn a cultural corner? German philosopher Karl Jaspers termed this period the Axial Age, a pivotal time when world cultures came of age. In this class we will travel from China through India to the Middle East and finally the Greco-Roman world to examine the similarities and differences in the philosophies and religions from this time. We will also critically examine Jaspers’ contention that the Axial Age was a touchstone of global development and assess how the ideas from this time affect us today.

B Module

Semester 1

Modern European History, World Studies/Geography 2

Understanding modern European history is essential to understanding the world today. The countries of Europe emerged from the nineteenth century with high hopes for continued progress and proud of their imperial power over the globe. How

did they become embroiled in World War I? How did this lead to competing democratic, communist, and fascist ideologies? How did World War II happen? The Cold War? The European Union? How did Europe overcome the tragedies of the twentieth century to become a leading force for social justice, democracy, and peace today? We will explore these questions and more as we learn about modern European history from a European point of view, rather than a strictly American one.

Semester 2

Introduction to American Government, Government A/B

A continuation of English Foundations in the second semester, Foundations of American History and Government will introduce the basic history and political structures of America, examining central stories and documents, while continuing to foster English language skills. This class is required for international ESOL students, and optional for students whose advisors recommend extra support in English and social studies.

Afternoon Module

Quarter 1

The Presidential Election, Government 1/2

This fall's election happens at a time of global pandemic and national division. All presidential elections are combative, but this November's contest will be particularly volatile. Nonetheless, in times of war and peace, our nation's presidential elections have occurred every four years since 1788, and they follow specific rules laid out in the Constitution. But the nature of elections has changed in many ways that the writers of the Constitution could not foresee. In this class we will examine the old and the new of presidential elections: the laws and customs that shape elections, as well as newer elements like social media and online fundraising. Students will delve deeply into the politics, strategy, polling, prediction and impact of the 2020 presidential election.

Criminology & Psychology, Social Studies 2

In this class, students will learn all about the United States criminal justice system through the lens of a psychology expert. We will begin with the basics of the U.S. government, developing an understanding of the many intricacies that went into establishing a system of law, and subsequent punishment for breaking the law. From the Constitution of the United States of America, to the up and coming science of "reading minds," our class will explore how we got to the complicated, and controversial criminal justice establishment that we have today. Students will end the class with a case study on one of the most famous trials in modern U.S. history, and discern "what could have been..."

Quarter 2

20th Century American Women, US History 2

The sequel to the Women's History course, this class will chronicle women's experiences in America following the victory over national suffrage in 1920, a momentous achievement, but one that revealed that the battle for equality was far from over. We will analyze the evolution of female identities and roles in the United States from the early 1900s until today and discover how trends in American society and politics were inseparable from that evolution. The course will include voices and stories from women in all corners of American life.

*Though it is not required that you have taken Women's History to enroll, it is recommended.

Quarter 3

American Political Parties, Government 2

Despite George Washington's dire warning that political parties would "become potent engines, by which cunning, ambitious, and unprincipled men will be enabled to subvert the power of the people," a party system has characterized American government ever since. A surprisingly poorly-understood topic, American Political Parties will unravel the evolution of party politics in America, from the founding fathers to today's system. This course will investigate each party's interpretation of the Constitution, the proper role of government, and their actual policies, as well as their effects on the American political landscape.

History and Culture of Japan, World Studies/Geography 1 (+8th)

Japan is a country and culture like no other, a place of continuities and incredible change. For 2600 years, a member of the Yamato family has ruled as emperor. On the other hand, the transformation of Japan from a feudal state to a global power took only 50 years. The country's ancient aesthetic is prized as much as its modern anime. In this course we explore both the old and new of Japan with a special focus on the arts. Students will also write a research paper on a self-selected topic.

The Mexican Revolution, World Studies/Geography 1 (+8th)

Have you heard of Pancho Villa or Emiliano Zapata? Even if you haven't, you've probably seen their faces on posters or murals, perhaps at a Mexican restaurant or Cinco de Mayo celebration. These are the great heroes of the Mexican Revolution, a complex and bloody conflict that convulsed Mexico between 1910 and 1921. Explore what caused the revolution, its similarities to and differences from other revolutions around the world, its impact on the United States, its complex legacy, and how it continues to haunt and enchant Mexicans and Americans today.

Sports, Culture, & Wellness, Social Studies 1 or Health 1

"Sports, Culture, & Wellness" will take students through a tour of sports throughout the globe as we interpret how the cultures surrounding these sports impact the athletes that play them. We will analyze the various sports by looking at their impacts on physical health, mental health, and society, as well as how society and concerns for health impacted the sports in return. As a class, we will delve into some of the technical aspects of the human body in order to better understand what we are learning about the topics we study. Students will round out the course by becoming an expert on a sport of their choosing, researching its relationship with culture and wellness, and then sharing their findings as teachers to their peers.

Personal Finance, Applied Math 1 or Social Studies 1

Financial literacy is key to helping us reach our goals in life. It is essential that we are able to recognize options, analyze those options, and plan for our success. Students will learn strategies for managing and tracking their spending and saving. We will discuss the many financial decisions that will likely affect students' lives from selecting a credit card, understanding your credit score, saving for retirement, buying a house or a car and what expenses they can expect to incur when they are out on their own.

Quarter 4

21st Century Economics, Social Studies 2 or Applied Math 2

The world is changing rapidly, and one must understand the economics of the global economy to understand our world. In this course we will briefly review fundamental economic concepts and then dive into the brave new world of 21st century economics, including the changing workplace, new economic sectors, globalization, inequality, and the explosive growth of economies in Asia and Africa. Throughout the quarter we will conduct a market simulation through which students will experience the diversity and complexity of 21st century economics.

Computer Science & Electives

TEACHER	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
BILLY	Digital Music Composition <i>Computers 1 or Arts 1</i>			
SHANNAN				Filming and Editing Horror Films <i>Computers 1</i>
A MODULE				
TARYN			Digital Storytelling <i>Computers 1 (+MS)</i>	
DANNY	Health & The Self <i>(Middle School Only)</i>		Study Skills <i>(High School and Middle School)</i>	
JOANNA	Study Hall		Study Hall	
B MODULE				
DANNY	Study Skills <i>(Middle School Only)</i>		Health & The Self <i>(Middle School Only)</i>	
JOANNA	Study Hall		Study Hall	
C MODULE				
DANNY	Study Skills <i>(Middle School Only)</i>		Health & The Self <i>(Middle School Only)</i>	
JOANNA	Study Hall		Study Hall	
AFTERNOON MODULE				
SHANNAN		Digital Design <i>Computers 1</i>		
BILLY			Programming with Python <i>Computers 2</i>	

Morning Module

Quarter 1

Digital Music Composition, Computers 1

Students will learn how to create music on a computer from the ground up. The course will cover a basic treatment of harmony and music theory, focusing additionally on manipulating and complementing harmonic compositional elements through sound design, use of plug-ins, mixing, and mastering, all of which will be taught through project work in professional music production software. Students will develop a portfolio of songs they have composed, and the exhibition in this course will be a presentation of this portfolio, answering the essential question: *“How is music created on the computer?”*

Quarter 4

Filming and Editing Horror Films, Computers 1

One of our most basic fears is the fear of the unknown. We can control the sense of fear and suspense in our movies by controlling what the audience knows or what a character knows. A large part of our ability to do this is based on the location, angle and movement of the camera, the lighting we choose to use, the music and sound effects, the length of our clips and video editing effects and filters. A majority of the class will be spent learning to use Final Cut Pro to edit scenes that we will be filming in groups and as a class. We will briefly touch on some points of horror film history and techniques and theater makeup.

A Module

Semester 2

Digital Storytelling, Computers 1 (+MS)

In this class, we will join the host of writers who have used Twitter, Facebook, phone apps, computer games, Reddit, and more to tell compelling stories. We will question what makes literature worth studying and whether words must be on a page to have an impact, while also exploring and using the algorithms and technology used to put those words out in the world.

Afternoon Module

Quarter 2

Digital Design, Computers 1

Students will learn to use professional software to visually convey information effectively. Students will learn the basics of color theory and document and photo composition as they work in Photoshop, InDesign, and Illustrator. They will use their skills to design logos, business cards, and flyers. One does not need to be an “Artist” to take this class.

Quarter 3

Programming with Python, Computers 2

This course will introduce students to computer programming with the Python programming language. Python is incredibly popular because it is easy to read; unlike other languages which emphasize arcane contextualization rules, Python is streamlined and intuitive. This will be a project-driven course; as students learn new concepts in programming, they will have the freedom to develop programs from prompts or of their own design. Experienced programmers and newcomers alike are welcome.

Letter Modules

Semesters 1 & 2

Organization and Study Skills, Elective

Do you want to help yourself find success at The New School and get prepared for college and beyond? Do you want to get more out of your study hall? This course will provide a time and a place for you to work, as well as individualized guidance and support for your core academic classes. We will focus on helping you develop your organization and study skills and work together to ensure you are using your time effectively.

Study Hall, no credit given

Study hall serves two purposes: First, study hall allows you to take fewer classes each quarter, keeping your workload to a reasonable level. Second, it gives you a set time to do homework, research, and work on projects for which you may not have the resources at home. Students are expected to manage their time and workload independently.

General Guidelines for Registration

Freshmen and Sophomores

Sign up for courses using the following guidelines:

- Each slot in the Scheduling Request Form represents a ½ credit.
- Level 1 (Freshmen) and Levels 1 and 2 (Sophomores) are generally grade-appropriate.
- Level 3 Honors and AP courses are by permission only.
- Year-long math, foreign language, and AP courses take up the entire Module.
- Sign up for
 - Two slots of English
 - Two slots of Math
 - Two slots of Science
 - One or two slots of Health or PE
 - Two slots of Foreign Language
 - Two slots of World Studies/Geography, or Social Studies
 - One or two slots of Arts, Computer Science, or Electives

Juniors

Sign up for courses using the following guidelines:

- Each slot in the Scheduling Request Form represents a ½ credit.
- Level 2, Honors, and AP courses are grade-appropriate.
- Colleges take note of Honors and AP courses, which also give a bump in GPA.
- Colleges prefer 3-4 years of a foreign language and 4 years of math.
- Year-long math, foreign language, and AP courses take up the entire Module.
- Level 3 Honors and AP courses are by permission only.
- Consider your credit needs and make sure that you are fulfilling credits.
- Sign up for
 - Two slots of English
 - Two slots of Math
 - Two slots of Science
 - Two slots of World Studies/Geography, Social Studies, History, or Government

Seniors

Sign up for courses using the following guidelines:

- Each slot in the Scheduling Request Form represents a ½ credit.
- Level 2, Honors, and AP courses are grade-appropriate.
- Colleges take note of Honors and AP courses, which also give a bump in GPA.
- Colleges prefer 3-4 years of a foreign language and 4 years of math.
- Consider your credit needs and make sure you fulfill those needs first.
- Consider a Study Hall to give you time to focus on your Senior Exhibition.
- Year-long math, foreign language, and AP courses take up the entire Module.
- Level 3 Honors and AP courses are by permission only.
- Consider an Honors Diploma, which requires a college course or extended internship
- Sign up for
 - Two slots of English
 - Two slots of World Studies/Geography, Social Studies, History, or Government

High School Graduation Requirements 2019 - 2020

Credits	Credit Type
4.0	English
3.0	Mathematics *
0.5	Applied Mathematics
1.0	Biology
1.0	Chemistry
0.5	Physics
0.5	General Science +
1.0	Government
1.0	American History
1.5	World Studies-Geography
1.5	Arts (Music, Fine Art, Theater, etc.)
1.0	Social Studies (Psychology, Contemporary Issues, Philosophy, Economics, etc.)
2.0	Foreign Language *
1.5	Physical Education and Health
0.5	Computer Elective
4.0	Electives ++
0.0	Junior Portfolio
0.0	Senior Exhibition
0.0	Community Service +++
24.5	Total credits required for graduation

* Students are strongly encouraged to take four credits of math (including Algebra 2 and Pre-Calculus and/or Calculus) and three or more years of one foreign language in order to increase their college options.

+ Any extra biology, chemistry, or physics credit can be applied to the General Science requirement.

++ Extra credits of any kind in any discipline count as elective credits.

+++ Students must perform a total of 60 hours of community service by the end of their junior year: 10 hours minimum in school, 20 hours minimum outside of school, 20 hours minimum working for the same organization.