



The New School of Northern Virginia

High School
Course Catalog
2019 - 2020

August 21, 2019

Welcome to Registration 2019-2020

Hello and welcome to registration for the 2019-2020 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, World Studies-Geography/Social Studies, U.S. History/Government, Foreign Languages, P.E. and Health, and Computers/Electives.
 - c. Part III provides you with two sample course sign-up sheets.
 - 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.
 - b. A Schedule Registration Form.
 - c. A Recommended Levels Report.
 - d. A Credit Report Worksheet.

Your job is to select the courses that you would like to take next year, both a first choice and a second choice for each module. If you do not select a second choice, then, if need be, I will have to choose one for you.

Understanding Course Levels

High-school classes are divided into four levels: Introductory (Level 1), Advanced (Level 2), Honors (Level 3), and Advanced Placement (Level 4).

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 will focus on the skills necessary for scholarly writing—be it a research paper, primary source analysis, or scientific report. Students are encouraged to take these courses to help prepare them for passing the Junior Portfolio requirements, practice for the Senior Exhibition, and develop writing skills using the thesis-support model, which is central to The New School curriculum.

How to Register

The best way to choose your classes is:

1. First, 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. Now 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 the academic dean, Jenny Fey, 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, social science (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 this catalogue. These guidelines are meant to help you achieve a balanced schedule.
6. After your Schedule Registration Form is complete, including second choices for each slot, sit down with your advisor so that he or she can approve it.
7. Your advisor will go over your schedule and fill in the Credit Report Worksheet, transferring the credits you've already earned from the Graduation Progress Report and adding the credits to be earned from the Schedule Registration Form.
8. 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.

Have fun!

Jenny Fey
Academic Dean

The Courses

(Organized by Modules)

Morning Module

A Module

B Module

C Module

Afternoon Module

MORNING MODULE:

9:00 A.M. – 10:25 A.M. Mon-Fri

	Quarter 1	Quarter 2 (Paper)	Quarter 3	Quarter 4
ARTS				
TED	Art Studio and The Illumination Process <i>Arts 1</i>		Art Studio and The Illumination Process <i>Arts 1</i>	Art Studio and The Illumination Process <i>Arts 1</i>
VIRGINIA			Voice <i>Arts 1</i>	
CAROLINA				Musical Theatre <i>Arts 1 or English 2</i>
SCIENCES				
DIANA	Plants and Society <i>Biology 1</i>	Does DNA Define You? <i>Biology 1/2 SW</i>	Project in the Sciences <i>Biology, Chemistry, Physics 1-3 SW</i>	Comparative Ecology <i>Biology 2/Honors</i>
RACHEL	Chemistry of Cosmetics <i>Chemistry 1</i>			
BILLY			Project in the Sciences <i>Biology, Chemistry, Physics 1-3 SW</i>	
JENNY			Developmental Psychology <i>General Science or Social Studies 2 SW</i>	
HUMANITIES				
TRAVIS	Change Lab <i>Government 2</i>	Street Law <i>Government 1 SW</i>	Economies of the Future <i>World Studies / Geography 2</i>	Political Communication <i>Government 1</i>
BILLY		How Do You Know? <i>Social Studies 1/2 SW</i>		Native American History <i>US History 1</i>
CAROLINA	Black History <i>US History 1 SW</i>	AP US History		
JENNY	Cognitive Bias Seminar <i>Social Studies 2/Honors</i>		Developmental Psychology <i>Social Studies or General Science 2 SW</i>	
SHANNAN		Applied Sociology <i>Social Studies 1 SW</i>		
JANIS	Current Events <i>A/B Social Studies</i>	Comparative Government <i>A/B Government</i>		
ENGLISH				
TEACHER		Romanticism <i>English 2 SW</i>	Rebellious Women <i>English 1 SW</i>	
VIRGINIA	Communicating Meaning: Public Speaking and Debate <i>English 1</i>	Ursula K. Le Guin <i>English 1 SW</i>		The War of the Worlds <i>English 1</i>
JENNY		<i>Narrator & Perspective</i> <i>English 2 SW</i>		The Language of Shakespeare <i>English 2 SW</i>
CAROLINA				Musical Theatre <i>English 2 or Arts 1</i>
MATHEMATICS				
EDEN			Mathematical Modeling <i>Applied Math 2</i>	
COMPUTERS				
BILLY	Digital Music Composition <i>Computers 1</i>			

A MODULE:

10:40 A.M. – 11:25 A.M. Mon-Fri

	Semester 1	Semester 2
MATHEMATICS		
SHANNAN	Algebra 1	
EDEN	Pre Calculus	
RACHEL	Calculus	
SAVI	Math & the Universe <i>Applied Math 1</i>	
FOREIGN LANGUAGES		
CLARA	Spanish 2	
VIRGINIA	German 2/3	
SELMA	French 2	
ENGLISH		
HENRY		Writers Who Changed the World <i>English 2 SW</i>
JENNY	AP English Language & Composition <i>English AP SW</i>	
HUMANITIES		
HENRY	World Religions <i>World Studies / Geography 1</i>	
SCIENCES		
SAVI		Electrodynamics <i>Physics 1</i>
COMPUTER SCIENCE		
BILLY	AP Computer Science	
TRAVIS		Introduction to Digital Photography <i>Computers 1</i>
STUDY HALLS & ORGANIZATION		
DANNY	Study Skills	Study Skills
JOANNA	Study Hall	Study Hall

B MODULE:

11:30 A.M. – 12:15 P.M. Mon-Fri

	Semester 1	Semester 2
MATHEMATICS		
SHANNAN	Algebra 2 Foundations	
SAVI	Geometry	
JANIS	Pre-Algebra (Foundations)	
RACHEL	Algebra 2	
EDEN	AP Calculus	
FOREIGN LANGUAGES		
CLARA	Spanish 3	
DIANA	Spanish 1	
SELMA	French 1	
VIRGINIA	German 1	
ENGLISH		
HENRY		Literature and the Meaning of Life <i>English 2</i>
ALAN	Mark Twain: The Making of a Legend <i>English 2</i>	
JONATHAN	Page to Stage <i>English 1 or Arts 1</i>	
CAROLINA	English A/B	English A/B
ARTS		
TED	Art Studio <i>Arts 1 to Honors</i>	Art Studio <i>Arts 1 to Honors</i>
JONATHAN	Page to Stage <i>Arts 1 or English 1</i>	
COMPUTERS		
JONATHAN		Architectural Design <i>Computers 1</i>
STUDY HALLS & ORGANIZATION		
JOANNA	Study Hall	Study Hall

C MODULE:

1:00 P.M. – 1:45 P.M. Mon-Fri

	Semester 1	Semester 2
MATHEMATICS		
SHANNAN	Algebra 1	
EDEN	Pre Calculus	
JANIS	Middle School Pre-Algebra	
SAVI	Geometry	
RACHEL	Algebra 2	
FOREIGN LANGUAGES		
CLARA	Spanish Honors/AP	
VIRGINIA	German Honors/AP	
SELMA	French Honors	
HUMANITIES		
HENRY	Greece: From Achilles to Alexandria <i>World Studies / Geography 2</i>	
ALAN		Traveling the Ancient World with Herodotus <i>World Studies / Geography 1</i>
ARTS		
JONATHAN		Radio Plays <i>Arts 1 or English 1</i>
ENGLISH		
JONATHAN		Radio Plays <i>English 1 or Arts 1</i>
COMPUTER SCIENCE		
JONATHAN	Computer Assisted Design for Theatre and Film <i>Computers 1/2</i>	
PE/HEALTH		
JENNY	Nature Walking <i>P.E. 1</i>	Ultimate Frisbee <i>P.E. 1</i>
STUDY HALLS & ORGANIZATION		
DANNY	Study Skills	Study Skills
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

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
SCIENCES				
DIANA	Forensic Biology <i>Biology 2/Honors</i>	Plagues and Society <i>Biology 1</i>	Environmental Sociology <i>General Science 2*</i>	Environmental Chemistry <i>Chemistry 2</i>
RACHEL		AP Chemistry		
SAVI	Synthesis of Biodiesel <i>Chemistry 1</i>	Chemistry of Fireworks <i>Chemistry 1</i>		
BILLY		Physics and Simulations <i>Physics 1(or Computers)</i>		
ENGLISH				
CAROLINA				Scholarly Writing 1 <i>English 1</i>
ALAN				Scholarly Writing 1 <i>English 1</i>
HENRY	Reading and Writing Poetry <i>English 1</i>	NaNoWriMo: How to Write a Novel <i>English 1 or 2</i>		
JONATHAN	Storytelling Theatre <i>English 1 or Arts 1</i>			
HUMANITIES				
HENRY			China, from the Xia Dynasty to Xi Jinping <i>World Studies / Geography 1.SW</i>	Positive Psychology <i>Social Studies 2</i>
ALAN			The Explorer <i>World Studies / Geography 1</i>	
CAROLINA		Women's History <i>US History 2</i>	Environmental Sociology <i>Social Studies 2*</i>	
JONATHAN				Film: a Look at Classical Hollywood <i>Social Studies 1 or Arts 1</i>
PE/HEALTH				
DANNY		Basketball <i>P.E. 1</i>	How Your Body Works Health 1	Softball <i>P.E. 1</i>
BILLY	Soccer <i>P.E. 1</i>			Mountain Biking <i>P.E. 2</i>
EDEN	Dance Exercise <i>P.E. 1</i>	Nutritional Analysis and Math Skill Building <i>Health 1 or Applied Math 1</i>		Choreography <i>P.E. 1</i>
ARTS				
TED	Art Studio <i>Arts 1 to Honors</i>	Art Studio <i>Arts 1 to Honors</i>	Art Studio <i>Arts 1 to Honors</i>	Stone Sculpture <i>Arts 1</i>
JONATHAN	Storytelling Theatre <i>Arts 1 or English 1</i>	Technical Theatre <i>Arts 1</i>	Technical Theatre <i>Arts 1</i>	Film: a Look at Classical Hollywood <i>Arts 1 or Social Studies 1</i>
EDEN	Dance Exercise <i>Arts 1</i>			Choreography <i>Arts 1</i>
COMPUTER SCIENCE				
SHANNAN				Digital Design <i>Computers 1</i>
BILLY		Physics and Simulations <i>Computers 1</i>	Game Programming <i>Computers 2</i>	
MATHEMATICS				
EDEN		Nutritional Analysis and Math Skill Building <i>Applied Math 1 or Health 1</i>		
DANNY	Statistics in Social Sciences <i>Applied Math 2</i>			
SHANNAN			Personal Finance <i>Applied Math 1</i>	

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	22
Sciences (Biology, Chemistry, Physics, General Science)	24
Humanities (Government, Social Sciences, Social Studies, US History, World Studies & Geography)	27
Computer Science & Electives	31

Arts (Dance, Music, Theater, Visual Art)

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
TED	Art Studio and The Illumination Process <i>Arts 1</i>		Art Studio and The Illumination Process <i>Arts 1</i>	Art Studio and The Illumination Process <i>Arts 1</i>
VIRGINIA			Voice <i>Arts 1</i>	
CAROLINA				Musical Theatre <i>Arts 1 or English 2</i>
B MODULE				
TED	Art Studio <i>Arts 1 to Honors</i>		Art Studio <i>Arts 1 to Honors</i>	
JONATHAN	Page to Stage <i>Arts 1 or English 1</i>			
C MODULE				
JONATHAN			Radio Plays <i>Arts 1 or English 1</i>	
AFTERNOON MODULE				
TED	Art Studio <i>Arts 1 to Honors</i>	Art Studio <i>Arts 1 to Honors</i>	Art Studio <i>Arts 1 to Honors</i>	Stone Sculpture <i>Arts 1</i>
JONATHAN	Storytelling Theatre <i>Arts 1 or English 1</i>	Technical Theatre <i>Arts 1</i>	Technical Theatre <i>Arts 1</i>	Film: a Look at Classical Hollywood <i>Arts 1 or Social Studies 1</i>
EDEN	Dance Exercise <i>Arts 1</i>			Choreography <i>Arts 1</i>

Morning Module

Quarter 1

Art Studio and The Illumination Process, Arts 1

Art Studio is the students creating Art. I don't tell them what to do, they don't ask me what to do, but they do. The doing is essential. I only grade the doing. I never grade the student's Art work. Students do art discovering where, when, and how they find joy and flow in doing art. Artworks will be what most conversations will be about. I will supported the students with technical and skill assistance, and work at keeping the art studio a safe place for their spirits and minds. The Illumination Process is a process of looking at and seeing a work of Art through their life experiences. It is about using Art to become more self-aware. Students will present an exhibition at the end of the quarter, the subject being the Art of the Student and/or The Illumination Process.

Quarter 3

Art Studio and The Illumination Process, Arts 1

Art Studio is the students creating Art. I don't tell them what to do, they don't ask me what to do, but they do. The doing is essential. I only grade the doing. I never grade the student's Art work. Students do art discovering where, when, and how they find joy and flow in doing art. Artworks will be what most conversations will be about. I will supported the students with technical and skill assistance, and work at keeping the art studio a safe place for their spirits and minds. The Illumination Process is a process of looking at and seeing a work of Art through their life experiences. It is about using Art to become more self-aware. Students will present an exhibition at the end of the quarter, the subject being the Art of the Student and/or The Illumination Process.

Voice, Arts 1

Do you enjoy singing? This is your chance to learn some new songs and choral pieces while working on vocal fitness and technique, as well as diction, musicality, and expression. In preparation for their group exhibition performance, students may work on songs for the annual winter Arts Fest.

Quarter 4

Art Studio and The Illumination Process, Arts 1

Art Studio is the students creating Art. I don't tell them what to do, they don't ask me what to do, but they do. The doing is essential. I only grade the doing. I never grade the student's Art work. Students do art discovering where, when, and how they find joy and flow in doing art. Artworks will be what most conversations will be about. I will supported the students with technical and skill assistance, and work at keeping the art studio a safe place for their spirits and minds. The Illumination Process is a process of looking at and seeing a work of Art through their life experiences. It is about using Art to become more self-aware. Students will present an exhibition at the end of the quarter, the subject being the Art of the Student and/or The Illumination Process.

Musical Theatre, Arts 1

How do we communicate meaning in musical theatre? In this class, we shall work on vocal and acting techniques in the world of musical theatre, exploring musicals of yore and contemporary hits to think about what makes musical theatre a unique genre and how we--as performers and/or enthusiasts--can communicate the meaning that only musicals can. This class can be taken as a performance class or as an analytical class with exhibition options based in performance or dramaturgy (theatre analysis).

B Module

Semesters 1 & 2

Art Studio, Arts 1 to Honors

In this Art Studio the student has discovered where, when, and how they find joy in doing art. The advanced student knows what they want to do and has proven their ability to persist in achieving excellence and embodies a process of creative and aesthetic growth. The goal of the advanced student is to do work with purpose and intent of declaring their unique self through intellect, artistic skill, and production.

Semester 1

Page to Stage, Arts 1 or 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 have the opportunity to study scripts and learn basic acting and directing tools to stage short performance pieces.

C Module

Semester 2

Radio Plays, Arts 1 or English 1

Through this course, students will explore the interesting world of radio plays. They will explore radio play scripts, understand how to create compelling stories without visual elements, and use these experiences to write their own shows. The culminating project of this course will be a live recording of the students' work, demonstrating their ability to fully envision, plan, and execute a live production in this medium.

Afternoon Module

Quarter 1

Art Studio, Arts 1 to Honors

Art Studio is the students creating Art. I don't tell them what to do, they don't ask me what to do, but they do. The doing is essential. I only grade the doing. I never grade the student's Art work. Students do art discovering where, when, and how they find joy and flow in doing their art. Artworks will be what most conversations will be about. I will supported the students with

technical and skill assistance, and work at keeping the art studio a safe place for their spirits and minds. Honors Credit - You can be eligible for an Honors credit if you are taking this class for the second time and show Honors Arts acumen, as described in the description of Honors Art Studio.

Dance Exercise, P.E. 1 or Arts 1

In this class, students will work toward group and individual fitness goals through a combination of cardio, strengthening and stretching exercises. Dance styles will include Ballet, Modern, Jazzercise, Kpop, Improvisation, and Hip Hop. Students will also have the chance to improvise and lead class.

Storytelling Theatre, Arts 1 or English 1

In this course, students will explore methods of storytelling through various dramatic styles and techniques. The course will begin with the foundations of the oral tradition and progress through the evolution of humanity's ability to tell stories. Such methods include the use of vocal techniques and body language. Students will be able to implement the different techniques confidently by the conclusion of this course.

Quarter 2

Art Studio, Arts 1 to Honors

Art Studio is the students creating Art. I don't tell them what to do, they don't ask me what to do, but they do. The doing is essential. I only grade the doing. I never grade the student's Art work. Students do art discovering where, when, and how they find joy and flow in doing their art. Artworks will be what most conversations are about. I will support the students with technical and skill assistance, and work at keeping the art studio a safe place for their spirits and minds. Honors Credit - You can be eligible for an Honors credit if you are taking this class for the second time and show Honors Arts acumen, as described in the description of Honors Art Studio.

Technical Theatre, Arts 1

This course will provide students with foundational experience in the design and creation of stage productions, primarily set and lighting design. Students will make use of strategies centered on technical language, implementation, and technique. In this course, students will learn the basics of drafting to create functional set designs as well as lighting programs for authentic stage productions. Students will come away from this course with basic knowledge in how to create, build, and produce a stage show, including all the individual roles and collaborative relationships necessary.

Quarter 3

Art Studio, Arts 1 to Honors

Art Studio is the students creating Art. I don't tell them what to do, they don't ask me what to do, but they do. The doing is essential. I only grade the doing. I never grade the student's Art work. Students do art discovering where, when, and how they find joy and flow in doing their art. Artworks will be what most conversations will be about. I will supported the students with technical and skill assistance, and work at keeping the art studio a safe place for their spirits and minds. Honors Credit - You can be eligible for an Honors credit if you are taking this class for the second time and show Honors Arts acumen, as described in the description of Honors Art Studio.

Technical Theatre, Arts 1

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Quarter 4

Film: a Look at Classical Hollywood, Arts 1 or Social Studies

This course will dive into the Classical Hollywood period of film production. Students will be exposed to the styles, techniques, and approaches that led to some of the most iconic movies. Exploring films from the 1930s through the 1960s, students will extrapolate and reflect on their themes, period-defining characteristics, and historical importance. After gaining this perspective, students will compare the culture of film-making from then to the present day. Students will also explore the Hollywood studio system and the difficulties for actors and writers and discuss how Classical Hollywood films would be perceived by modern-day audiences.

Choreography, Arts 1 or P.E. 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. 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 at the end of the course. Students should come to the class prepared to move, and perform frequently in front of their peers.

Stone Sculpture, Arts 1 to Honors

Stone sculpture is art done in reverse. We do the creative process by taking away material, not by adding material to something or over something. Each student will be given a 30- to 40-pound alabaster stone. They will be instructed on how to use the sculpting tools: hammer, chisels, rasps, and carbide paper. The students will start sculpting without a clear idea of what they are doing. I want them to look for and find lines and forms that are pleasing to them without trying to force an idea on the stone. The stone will give them many opportunities and possibilities to create those shapes. The students will learn to have a conversation with stone. They will practice patience and persistence as they create an abstract design in stone. Honors Credit - You can be eligible for an Honors credit if you are taking this class for the second time and show Honors Arts acumen, as described in the description of Honors Art Studio.

English (Creative Writing, Language Arts, Literature)

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
TEACHER		Romanticism <i>English 2 SW</i>	Rebellious Women <i>English 1</i>	
CAROLINA				Musical Theatre <i>English 2 or Arts 1</i>
VIRGINIA	Communicating Meaning: Public Speaking and Debate <i>English 1</i>	Ursula Le Guin <i>English 1 SW</i>		The War of the Worlds <i>English 1</i>
JENNY		<i>Narrator & Perspective</i> <i>English 2 SW</i>		The Language of Shakespeare <i>English 2 SW</i>
A MODULE				
HENRY			Writers Who Changed the World <i>English 2 SW</i>	
JENNY	AP English Language & Composition <i>English AP SW</i>			
B MODULE				
HENRY			Literature and the Meaning of Life <i>English 2</i>	
ALAN	Mark Twain: The Making of a Legend <i>English 2</i>			
JONATHAN	Page to Stage <i>English 1 or Arts 1</i>			
CAROLINA	English A / B		English A / B	
C MODULE				
JONATHAN			Radio Play <i>English 1 or Arts 1</i>	
AFTERNOON MODULE				
CAROLINA				Scholarly Writing 1 <i>English 1</i>
ALAN				Scholarly Writing 1 <i>English 1</i>
HENRY	Reading and Writing Poetry <i>English 1</i>	NaNoWriMo: How to Write a Novel <i>English 1 or 2</i>		
JONATHAN	Storytelling Theatre <i>English 1 or Arts 1</i>			

Morning Module

Quarter 1

Communicating Meaning: Public Speaking and Debate, English 1

This course is focused on developing interpersonal and public communication, discussion, presentation, and debating skills. Through in-class exercises, weekly speech projects, and examples from guest speakers and short videos, students will practice creative exercises, strategies, and techniques, with the goal of improving confidence and exhibition skills. We will also explore how meaning can be conveyed through nonverbal modes of communication. For the exhibition, pairs of students will research both sides of a current issue of choice, write a pro/con paper, then present either a persuasive position speech or participate in a formal debate.

Quarter 2

Ursula Le Guin, English 1 (Scholarly Writing)

Ursula K. Le Guin (1929-2018) known to many as creator of the world of Earthsea, brought a beautifully concise, intellectually rigorous voice to the genres of fantasy and sci-fi. In this class, we will read one of her most provocative books, *The Left Hand of Darkness*. We will also work on the micro level of writing skills needed to communicate one's meaning clearly. The culmination is a primary source paper addressing the essential question of how gender shapes culture and one's way of life.

Narrator & Perspective, English 2 (*Scholarly Writing*)

The narrator is the lens through which we experience a novel or story. Narrators come in all shapes and sizes, not all of them trustworthy. In this course, we will read a variety of literature, told from a variety of characters in unusual situations (and sometimes told by no character at all...) We will discuss how "who's telling the story" affects our experience and understanding of the texts we read. The final exhibition is a primary source analysis paper answering that same question in the context of one of our major texts. Essential Question: How does the choice of narrator shape the reader's experience of a text?

Romanticism, English 2 (*Scholarly Writing*)

Romanticism, capital R, is not about hearts and romantic comedies; rather, it is about 19th-century revolution and self-discovery. In this class, we shall explore the characteristics of the Romantic artistic time period, analyzing art, music, and especially literature with the likes of Friedrich, Tchaikovsky, and Wordsworth. How do artists use the shared characteristics of Romanticism to express their personal artistic goals? We shall dive deeper into this question while reading an abridged version of Victor Hugo's *Les Misérables*.

Quarter 3

Rebellious Women, English 1 (*Scholarly Writing*)

How does a woman's environment--political, social, economic, etc.--influence how she rebels? This course will analyze how diverse female writers and characters question, challenge, and do the unexpected to rebel against different systems and structures. We shall focus on how unique social, geographical, and historical environments can influence how women speak out, in fiction and nonfiction, in ways as unique as those environments.

Quarter 4

The War of the Worlds, English 1

How can one capture the essence of a novel in an adaptation? What is essential? What changes and why? After delving into the grandfather of panic and terror thrillers, H.G. Wells' *The War of the Worlds* (1897), we will analyze several adaptations, beginning with Orson Welles' radio play coup (1938). Then the class will determine essentials and co-write a creative adaptation in a contemporary setting and format which will be presented in a group exhibition.

The Language of Shakespeare, English 2

Reading the plays of William Shakespeare, who is generally thought of as the most significant English writer of all time, is practically a high school rite of passage. Although his language may seem stilted and unfamiliar to the ears of some young readers, many argue that because Shakespeare's plots and themes transcend human experience, his writing remains fundamentally accessible across history. On the other hand, many linguists suggest that Shakespeare lovers of all kinds miss many more of his basic meanings than they probably realize. There is no disputing that Shakespeare had an outsized impact on the English language, itself a massive influencer in global communication. However, language changes quickly! This course will involve a lot of literary analysis (reading, performing, and analyzing some of Shakespeare's plays and poems), but it will also incorporate some historical linguistics (etymology, syntax, etc.) Essential Question: What is the relationship between the language of Shakespeare and our English today?

Musical Theatre, Arts 1 or English 2

How do we communicate meaning in musical theatre? In this class, we shall work on vocal and acting techniques in the world of musical theatre, exploring musicals of yore and contemporary hits to think about what makes musical theatre a unique genre and how we--as performers and/or enthusiasts--can communicate the meaning that only musicals can. This class can be taken as a performance class or as an analytical class with exhibition options based in performance or dramaturgy (theatre analysis).

A Module

Year-Long

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

This course is designed to teach the skills needed to succeed in a college level writing course. We will read a lot of nonfiction, working to determine each author's purpose and the elements they use to rhetorically manipulate their target audience (tone, syntax, imagery, diction, symbolism, etc.) We will analyze and produce writing in many forms. The goals of the course are for students to be able to comprehend and comment on any nonfiction text they encounter and to communicate effectively by creating and sustaining arguments orally and in writing.

Semester 2

Writers Who Changed the World, English 2 (*Scholarly Writing*)

Is the pen mightier than the sword? In this course we will apply this question to many works of literature including novels, essays, and pamphlets by a variety of writers from around the world. Besides reading and analyzing works together, students will present a project about a writer who they think succeeded--or failed--to change the world through their work.

B Module

Semesters 1 & 2

English A

The course English A will prepare students who do not speak English as their first language to approach high school academics comfortably and confidently. The course will focus 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. Course materials and activities will help introduce students to The New School classroom culture and curricula. Students will have ample time to practice speaking, work collaboratively with other students, and receive one-on-one feedback about their progress with the English language.

English B

In addition to the focus skills taught in English A, English B will introduce academic activities that focus more on research methods, analytical writing, advanced reading comprehension, and independent presentations. Students will continue to concentrate on all areas of language while engaging in more challenging materials and discussions.

Semester 1

Mark Twain: The Making of a Legend, English 2

Even today, Mark Twain is widely regarded as America's greatest writer. Not only was he a famous novelist, he was also a well-known journalist, satirist, travel writer, and social commentator. But how did he become Mark Twain? What experiences shaped his life? What do his early works tell us about the man and the world he lived in? In this seminar-based class, we will read and discuss *Lighting Out for the Territory: How Samuel Clemens Headed West and Became Mark Twain*; *Roughing It*; several of Twain's essays, articles, and short stories; and a novel of your choice. Your final assignment will be to write a critical essay about one of Twain's works. (Scholarly Writing: Primary Source Analysis)

Page to Stage, Arts 1 or 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 have the opportunity to study scripts and learn basic acting and directing tools to stage short performance pieces.

Semester 2

Literature and the Meaning of Life, English 2

What is the meaning of life? Philosophers have been pondering this at least since Socrates. In recent centuries, the novel has emerged as the most popular and prestigious form of literature, especially here in the United States. We will read ancient, medieval and modern literature to explore the meaning of life, especially how authors use literary techniques to shine a light on life's most important questions.

C Module

Semester 2

Radio Plays, English 1 or Arts 1

Through this course, students will explore the interesting world of radio plays. They will explore radio play scripts, understand how to create compelling stories without visual elements, and use these experiences to write their own shows. The culminating project of this course will be a live recording of the students' work, demonstrating their ability to fully envision, plan, and execute a live production in this medium.

Afternoon Module

Quarter 1

Reading and Writing Poetry, English 1

For most of human history, poetry was more popular than prose, but today prose is. This is a shame because poetry provides a rich path to express beauty (as well as ugliness) and emotions. We will read a variety of poetry exemplars and write our own. We will create a literary journal and go to Busboys and Poets for our own poetry slam. Come ready to grow and share!

Storytelling Theatre, Arts 1 or English 1

In this course, students will explore methods of storytelling through various dramatic styles and techniques. The course will begin with the foundations of the oral tradition and progress through the evolution of humanity's ability to tell stories. Such methods include the use of vocal techniques and body language. Students will be able to implement the different techniques confidently by the conclusion of this course.

Quarter 2

NaNoWriMo: How to Write a Novel, English 1 or 2

November is National Novel Writing Month (NaNoWriMo). The goal is writing a 50,000-word novel. (Don't let the number scare you; you can do it and you'll get lots of support!) In NaNoWriMo class we will use all of Q2 to work on completing a novel. We will read and analyze literary exemplars in mini-lessons, but the bulk of each day will be spent writing and workshopping our novels. At the end we'll celebrate with a big publishing party!

Quarter 4

Scholarly Writing, English 1 (*Scholarly Writing*)

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.

Foreign Languages (French, German, Spanish)

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
A MODULE				
SELMA			French 2	
CLARA			Spanish 2	
VIRGINIA			German 2	
C MODULE				
CLARA			Spanish 3	
DIANA			Spanish 1	
SELMA			French 1	
VIRGINIA			German 1	
C MODULE				
SELMA			Honors French	
CLARA			Honors Spanish	
VIRGINIA			Honors/AP German	

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 & 3, Foreign Language

In German 2, students continue development of their listening, reading, writing, and speaking skills, with emphasis on the past perfect and future tenses. In addition to the Langenscheidt Geni@ Klick II core curriculum, students are invited to contribute German videos, pictures, music, learning apps, and other appropriate content to our class proceedings and webpage.

Assignments are both exercise and project based, and students are expected to converse increasingly in German.

In German 3, the focus is on engaging aspects of German language and culture through reading, listening, and discussing - auf Deutsch - a tailored selection of children's classics, mini plays, and contemporary short stories. Previous grammar elements will be reviewed, and students will learn to recognize, understand, and use more sophisticated vocabulary, sentence structure, the narrative past tense, and the conjunctive mood in their written work, assessments, and projects.

For both class sections, at least one DC area field trip is planned in October, while our German exchange students from Dresden are with us. And of course, we wouldn't miss visiting the Heidelberg Bakery in December! Students interested in applying for the two Dresden exchange scholarships for April, 2020 should schedule a student/parent informational meeting with Virginia as soon as possible.

Spanish 2, Foreign Language

Learning Spanish is an exciting and challenging experience. This course provides a simple and interactive role-playing approach to the language with emphasis on the four communication skills: listening, speaking, reading, and writing. Through films and readings presented and discussed in class, we emphasize conversation and solidify the student's communication and interpersonal skills. Cultural aspects are closely integrated with the language elements, giving the students an appreciation for the diversity and cultural richness of the Spanish-speaking world.

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 "déjà 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 hamburger, brass band, techno, gummy bears, and roots of the English language. Over the year, students will work on developing basic language skills in this increasingly important European language, together with teen themes, short movies, videos, games, as well as cultural and cooking projects. At least one field trip and our annual Oktoberfest are planned for October, while our German exchange students from Dresden are with us. And every December we enjoy German cookies and specialties on our Heidelberg Bakery lunch trip.

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.

Spanish 3, Foreign Language

Spanish 3 is conducted primarily in Spanish. This course is designed for students who, after finishing Spanish 2, 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.

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!

Honors/AP German, Foreign Language Honors/AP

In Honors German, students deepen their German vocabulary, comprehension, conversation, reading, grammar, and writing skills through diverse material, including podcasts, newscasts, short stories, Grimm Märchen, games, videos, films, and short essays. Assignments are both exercise and project based, and students are expected to rise to the challenge of an increasingly sophisticated immersion class.

In AP German, as we work toward a deeper appreciation of German literature and culture, emphasis will be placed on diversity and exploring similarities and differences between Germany, Austria, Switzerland, and Liechtenstein. Students work towards increasing competency in vocabulary, grammar elements, writing, critical reading, researching current issues, and constructing persuasive arguments. For each unit, students have six key interpretive, comparative, informal verbal and written, and formal verbal and written presentation assignments, with the goal of expressing one's meaning clearly auf Deutsch. Classroom proceedings will be conducted almost entirely in German. In addition to contemporary short stories, the core text for the unit on private and public identities is a primary source book, *Die Weiße Rose*, about the WWII student resistance group in Munich. At least one DC field trip is planned for October, while our German exchange students from Dresden are with us.

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Honors /AP Spanish, Foreign Language Honors

Only in Spanish! This course is designed to provide students with a variety of opportunities to further improve their proficiency in the four language skills. Through literature and films presented in this class, the course emphasizes communication by applying interpersonal, interpretive and presentational modes of communication in real life situations. It also reviews and refines grammar structures and expands vocabulary. Cultural aspects are closely integrated with the language elements, giving the students an appreciation for the diversity and cultural richness of the Spanish-speaking world.

Mathematics & Applied Math

Math	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MATHEMATICS				
EDEN			Mathematical Modeling <i>Applied Math 2</i>	
A MODULE				
SHANNAN		Algebra 1		
EDEN		Pre-Calculus		
RACHEL		Calculus		
SAVI	Math & the Universe <i>Applied Mathematics 1</i>			
B MODULE				
SHANNAN		Algebra 2 (Foundations)		
SAVI		Geometry		
RACHEL		Algebra 2		
EDEN		Pre-Calculus		
C MODULE				
SHANNAN		Algebra 1		
EDEN		Pre-Calculus		
SAVI		Geometry		
RACHEL		Algebra 2		
AFTERNOON MODULE				
EDEN		Nutritional Analysis and Math Skill Building <i>Applied Math 1 or Health 1</i>		
DANNY	Statistics in the Social Sciences <i>Applied Math 2</i>			
SHANNAN			Personal Finance <i>Applied Math 1</i>	

Morning Module

Mathematical Modeling, Applied Math 2

In this class we will use old math competition problems to hit problems of various scope. We will use AMC problems for quick thinking and warm-up problems, Johns Hopkins Math Tournament group test problems for hour-long exercises, and COMAP MCM problems for long-term work and exhibition.

A Module

Year-Long

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.

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.

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.

Semester 1

Math & the Universe, Applied Math 1

In order to appreciate the beauty of Mathematics, we will step back in time to see how the evolution of Mathematical ideas is closely tied to the human quest to understand our Universe. This course explores fractals and the Fibonacci Sequence to observe patterns all around us, how to measure cosmic distances and speed, calculate mass and size of distant objects in our universe, Newton's Law of Universal Gravitation, keeping track of lunar & solar cycles ,etc. Through our study of these topics we will explore our Mathematical Universe.

B Module

AP Calculus

This class is geared toward the AP Calculus BC test that will take place in May, so we will cover functions, limits, derivatives, integrals, and series. Periodically we will review actual AP tests from past years to prepare for the AP test. To get you ready to take the AP test, we will be moving at a steady pace. Students should expect to do work over vacations (including summer vacation) and to double their time spent on the course in the few weeks leading up to the exam.

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.

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.

Geometry

This course is an intense introduction to Euclidean plane geometry and solid geometry. The following topics will be covered: The Nature of Deductive Reasoning, Lines and Angles, Congruence, Inequalities, Parallel Lines, Quadrilaterals, Similarity, The Right Triangle, Area, Volume, Circles, Coordinate Geometry, and possibly Transformations.

C Module

Pre-Calculus

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Algebra 1

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Afternoon Module

Quarter 1

Statistics in Social Sciences, Applied Math 2

This course will take students through an introduction to Statistics, a branch of mathematics with applications in many fields of study. Every day, we view targeted advertisements, interact with perfectly placed products, read informative articles, or even just listen to popular music, and it's presented to us with the use of Statistics. Throughout the class, students will learn to better understand the world around us, and how Statistics play a vital role in our lives.

Quarter 2

Nutritional Analysis and Math Skill Building, Applied Math 1 or Health 1

Warm-ups for this class will consist of arithmetic and algebra exercises where students often make mistakes in higher classes. The body of the class will consist of research and learning about vitamins, minerals and other nutrients, gathering and analyzing data in spreadsheets, and utilizing those in mixture problems that create recipes and daily intake.

Quarter 3

Personal Finance, Applied Math 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 also look into how credit affects our finances and how different types of credit work. We will discuss the many financial decisions that will likely affect students' lives from selecting a credit card, understanding your credit score, buying a house or a car and what expenses they can expect to incur when they are out on their own.

Physical Education & Health

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
C MODULE				
JENNY	Nature Walking <i>P.E. 1</i>		Ultimate Frisbee <i>P.E. 1</i>	
AFTERNOON MODULE				
DANNY		Basketball <i>P.E. 1</i>	How Your Body Works Health 1	Softball <i>P.E. 1</i>
BILLY	Soccer <i>P.E. 1</i>			Mountain Biking <i>P.E. 2</i>
EDEN	Dance Exercise <i>P.E. 1</i>	Nutritional Analysis and Math Skill Building <i>Health 1 or Applied Math 1</i>		Choreography <i>P.E. 1</i>

C Module

Semester 1

Nature Walking, PE/Health 1

How can you avoid the post-lunch slump? Stretch your legs and take a walk! In this class, we will explore the trails around The New School, getting fresh air and a new perspective in the process. We will find ways to keep our strolls fresh, by doing some walking meditation, learning about the local plant life, engaging in lively conversation and/or games, etc. This class is a great way to earn PE credit for those who prefer moderate activity rather than high intensity exercise, those who want a way to liven themselves up before afternoon mod, or those who simply love nature. We will go outside every day if it is above freezing, unless there is a torrential downpour or it is unsafe in any way. Dress for the weather and be prepared to lose yourself in the outdoors for 40 min a day.

Semester 2

Ultimate Frisbee, P.E. 1

Ever since I started working here, students have asked me why I don't teach the ultimate frisbee class given that ultimate frisbee is my life's passion. I'm super excited to finally get a chance next year! In my opinion, ultimate is the perfect sport: it is impossible to score in ultimate without passing, which makes collaboration the center of the game. Also, it is a beautiful thing to watch a disc fly. Ultimate is founded on principles of spirit and respect, which we will emphasize, along with basic disc skills, essential rules, and team strategy. No prior experience with the sport is required but a willingness to run and an improvement mindset are mandatory. As this class spans 3rd and 4th quarters, we will play both outdoor and indoor ultimate depending on the weather.

Afternoon Module

Quarter 1

Dance Exercise, P.E. 1 or Arts 1

In this class, students will work toward group and individual fitness goals through a combination of cardio, strengthening and stretching exercises. Dance styles will include Ballet, Modern, Jazzercise, Kpop, Improvisation, and Hip Hop. Students will also have the chance to improvise and lead class.

Soccer, P.E. 1

The beautiful game is a unique blend of endurance, power, understanding, and creativity. To succeed requires a dedication to developing physically and intellectually, being aware of your role and the roles of those around you. Just like any of the "academic" courses on offer at the school, this course will require persistence and effort. By the end of the course you will be in much better shape and have a greater appreciation for the teamwork and collaboration that is necessary in high pressure situations. This course is recommended as a co-requisite for participation on the soccer team.

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.

Nutritional Analysis and Math Skill Building, Health 1 or Applied Math 1

Warm-ups for this class will consist of arithmetic and algebra exercises where students often make mistakes in higher classes. The body of the class will consist of research and learning about vitamins, minerals and other nutrients, gathering and analyzing data in spreadsheets, and utilizing those in mixture problems that create recipes and daily intake.

Quarter 3

How Your Body Works, Health 1

“How Your Body Works” will present the intricate parts of The Human Body, both physical and mental, in a way that makes them easier to understand and more relatable. The human body is incredibly complex, and so much of how and why humans function is still a mystery today. We will traverse a wide range of topics, from the general workings of bones and muscles, to the major systems of the body, down to the specific purposes of each region of the brain. Since evidence shows that as little as 30 minutes of exercise each day can keep make a big difference toward physical health, we will take time at the end of most classes to engage in physical activity. Be it physical or mental health, everything we are as humans stems from some part of our body. The class will also delve into many areas of mental health, and how we can use mindfulness to improve our well-being. Ultimately, students will be expected to show an understanding of how humans' physical and mental aspects tie together and keep us functioning.

Quarter 4

Mountain Biking, P.E. 2

The New School is uniquely located near Fairfax County's Cross County Trail, which connects south all the way to Occoquan and north to Great Falls. A short half hour ride away is Wakefield Park, which has several criss-crossing, hair-pinning, bumpy, steep, and narrow mountain biking paths. This course will build biking competency and endurance to the point where such difficult trails can be enjoyed. As a level two P.E. class, it is required that students who enroll be adept at basic riding. Students will need to provide their own mountain bikes (not road bikes) of a reasonably high quality (i.e. from a bike shop or outfitter as opposed to from a box store like Walmart or Target). Finally, students should be prepared to ride in all weather conditions with appropriate apparel.

Choreography, Arts 1 or P.E. 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. 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 at the end of the course. Students should come to the class prepared to move, and perform frequently in front of their peers.

Softball, P.E. 1

Students are invited to come learn, play, and hone their skills in Softball! We will be using the fields at Thaiss Park, located next to the school, to explore the physical and mental aspects of one of our beloved pastimes. From having a catch in the backyard, to hitting a home run in a game, Softball is a sport that is easy to get started playing, but challenging enough to always keep you on your toes!

Sciences (Biology, Chemistry, Physics, General Science)

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
DIANA	Plants and Society <i>Biology 1</i>	Does DNA Define You? <i>Biology 1/2 SW</i>	Project in the Sciences <i>Biology, Chemistry, Physics 1-3 SW</i>	Comparative Ecology <i>Biology 2/Honors</i>
RACHEL	Chemistry of Cosmetics <i>Chemistry 1</i>			
BILLY			Project in the Sciences <i>Biology, Chemistry, Physics 1-3 SW</i>	
JENNY			Developmental Psychology <i>General Science 2 SW</i>	
A MODULE				
SAVI			Electrodynamics <i>Physics 1</i>	
AFTERNOON MODULE				
DIANA	Forensic Biology <i>Biology 2/Honors</i>	Plagues and Society <i>Biology</i>	Environmental Sociology <i>General Science 2*</i>	Environmental Chemistry <i>Chemistry 2</i>
RACHEL		AP Chemistry		
SAVI	Synthesis of Biodiesel <i>Chemistry 1</i>	Chemistry of Fireworks <i>Chemistry 1</i>		
BILLY		Physics and Simulations <i>Physics 1 or Computers 1</i>		

Morning Module

Quarter 1

Chemistry of Cosmetics, Chemistry 1

In this course, we will explore common cosmetic products. We will investigate their history, their components, and their effects on public health. We will investigate introductory organic chemistry principles then work in the lab to create and test our own products using these ideas. We will closely explore the relationship between lip balms and lipids, bath bombs and reactions, tattoo ink and metals, etc. This course will be project based with a large focus on experiment design and data analysis. Essential Question: How can the properties of everyday cosmetic products demonstrate chemical principles?

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 the world?

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) and then move into issues of ethics, genetic counseling, genetic discrimination, and gene therapy. Students will have the opportunity to have their genome sequenced through a commercial provider in order to answer the essential question for themselves and engage with the content on a personal level. Essential Question: To what extent does your DNA Define You?

Quarter 3

Developmental Psychology, General Science or Social Studies 2 (Scholarly Writing)

Understanding human development usually takes a lifetime. We learn a great deal from our own experience, but we are rarely able to observe more than a few individuals over long periods of time. This course will allow us to examine the cognitive,

emotional, moral, linguistic, and psychosocial aspects of growth and development over a human lifespan, from conception, through childhood, adolescence, adulthood, to death. We will examine historical theories and current arguments relevant to this area of psychology. Coursework includes research-based experimentation, written reflection, and presentation. We will be participating in the science fest as well! Essential Question: What happens to humans as they grow?

Project in the Sciences, Biology, Chemistry, or Physics 1/2/Honors (*Scholarly Writing*)

This course offers a sound background in the scientific method and experimental design. Once students have chosen their topic/problem, they will be given the freedom to design their own experiments with faculty feedback, refining their experiment design and ensuring replicability and reliability. Students will display their results in the New School Science Fest as part of their exhibitions. Essential Question: "What is the value of the scientific method in exploring questions and problems?"

Quarter 4

Comparative Ecology, Biology 2/Honors

What factors make a desert a desert or a rainforest a rainforest? How do energy and materials cycle through ecosystems? Why does species diversity matter? We will compare our temperate deciduous biome to other biomes around the world to answer these questions and, in turn, learn more about the ecosystem in which we live. Final exhibition for the course will be to design a field guide to species present at the New School and an interpretive nature trail explaining how universal ecological concepts apply to our local setting. Essential Question: How do ecosystems and biomes around the world compare to each other?

A Module

Semester 2

Electrodynamics, Physics 1

Electricity is one of the most important blessings that science has given to mankind. It has also become an integral part of our life and we cannot think of our world without it. This course will give you a basic understanding of electron theory, conductors & insulators, electric paint, static electricity, electric field detectors, electromagnetism, electrical circuits, AC/DC current, generators, step down and step up transformers, electrical formulas, hazards of electricity, need for insulation, earthing, fuses, circuit breakers, and renewable energy sources.

Afternoon Module

Quarter 1

Forensic Biology, Biology 2/Honors

Forensic crime shows are increasingly popular, and DNA evidence especially is becoming the key to cracking many current and cold cases. In addition to DNA, this class will focus on biological forensic evidence such as hair type, fingerprinting, blood typing, and even non-human evidence that can pinpoint crime scene and time of death such as pollen grains and insect larvae. Essential Question: What can I infer about crimes from biological evidence?

Synthesis of Biodiesel, Chemistry 1

Biodiesel is a renewable and clean-burning diesel replacement that is better for the environment. We will study the available fuel sources now, the chemical composition of each of them, and their impact on the environment. We will do an in depth study of the process of synthesizing biodiesel, and the underlying organic chemistry principles and benefits of using biodiesel.

Quarter 2

Plagues and Society, Biology 1

How did the Black Plague change the world? Who really can take credit for “inventing” vaccines? How did the AIDS outbreak in the 1980s illuminate social inequalities? This course will use a selected text to explore the Plague, SmallPox, HIV/AIDS, and if time, a disease of the class’s choice. We will examine biological, sociological, immunological, religious, cultural, and technological impacts of major disease outbreaks. Essential Question: What are the biological and social implications of widespread disease?

Physics and Simulations, Computers 1 or Physics 1

In films, video games, and scientific fields, computers are vitally useful in realistically modelling how an event occurs. This course will use the computer software Mathematica to learn how to program real physical situations, from catapults to rockets to collisions. The use of software will allow us to delve deeply into physics without getting bogged down in arithmetic, and the course will serve as an excellent introduction to mechanics. This course may be taken for physics OR computers credit.

Chemistry of Fireworks, Chemistry 1

We all must have experienced the colorful and impressive fireworks displays at Fourth of July celebrations and other events. These displays pack a lot of chemistry into those “Ooooo! Aah!” moments. In this course we will learn more about the history, construction, shapes, and colors of fireworks. We will particularly go over oxidation and reduction reactions which make the fireworks explode into those beautiful patterns. We will also go over the topics of firework safety and environmentally friendly fireworks.

Quarter 2 & 3

AP Chemistry, Chemistry AP

This course is structured around the AP Exam. We will cover matter, bonding, reactions, kinetics, thermodynamics, and equilibrium. This class is designed for students who have successfully completed at least one chemistry course at NSNVA. Students will be expected to complete additional assignments during the summer as well as throughout the first and fourth quarters in order to be fully prepared for the exam in May.

Quarter 3

Environmental Sociology, Social Studies 2 General Science 2

Throughout the United States and the rest of the world, access to quality environmental standards is not equal. This course surveys how environmental justice varies according to social stratification and the ways in which people and societies disproportionately encounter environmental problems on the basis of nationality, class, race, and sex. We will discover how industries and law makers both contribute and react to the inequitable distribution of environmental hazards and goods across different societies.

Quarter 4

Environmental Chemistry, Chemistry 2

How do we know if an ecosystem is healthy or not? To complement biological surveys, there are many ways chemistry can give us a glimpse of the status of ecosystems. This course will explore chemical analysis of air, water, and soil, and what can be inferred from chemical results. We will also explore other environmental chemistry topics such as how our wastewater is treated, how CFCs destroy the ozone layer, how acids leach from coal mining operations, and how carbon capture and storage works in the fight to slow climate change. Essential Question: How can I gauge the health of ecosystems through chemistry?

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

	Quarter 1	Quarter 2 (Paper)	Quarter 3	Quarter 4
MORNING MODULE				
TRAVIS	Change Lab <i>Government 2</i>	Street Law <i>Government 1 SW</i>	Economies of the Future <i>World Studies / Geography 2</i>	Political Communication <i>Government 1</i>
BILLY		How Do You Know? <i>Social Studies 1/2 SW</i>		Native American History <i>US History 1</i>
CAROLINA	Black History <i>US History 1 SW</i>	AP US History		
JENNY	Cognitive Bias Seminar <i>Social Studies 2/Honors</i>		Developmental Psychology <i>Social Studies or General Science 2 SW</i>	
SHANNAN		Applied Sociology <i>Social Studies 1 SW</i>		
JANIS	Current Events <i>A/B Social Studies</i>	Comparative Government <i>A/B Government</i>		
A MODULE				
HENRY	World Religions <i>World Studies / Geography 1</i>			
C MODULE				
HENRY	Greece: From Achilles to Alexandria <i>World Studies / Geography 2</i>			
ALAN		Traveling the Ancient World with Herodotus <i>World Studies / Geography 1</i>		
AFTERNOON MODULE				
HENRY			China, from the Xia Dynasty to Xi Jinping <i>World Studies / Geography SW</i>	Positive Psychology <i>Social Studies 2</i>
ALAN			The Explorer <i>World Studies / Geography</i>	
CAROLINA		Women's History <i>US History 2</i>	Environmental Sociology <i>Social Studies 2*</i>	
JONATHAN				Film: a Look at Classical Hollywood <i>Social Studies 1 or Arts 1</i>

Morning Module

Quarter 1

Black History, US History 1 (*Scholarly Writing*)

The experience of Black Americans is not only historically unique, but an integral component of the American experiment, one which particularly demonstrates both the fragility and the determination behind the American dream. This course will study the history of Blacks in America beginning with their migrations during the colonial era. Students will examine the impact of the institution of slavery, the discrimination of the Jim Crow era, and the conflicts of the early 1900s as Blacks began to pursue political and social equality. The course will culminate with the Civil Rights movements of the mid-twentieth century. Scholarship skills will also be a primary focus of this course, and students will compose a primary source analysis paper.

Change Lab, Government 2

This course will attempt to tackle a local or global problem such as hunger or the consumption of fossil fuels. We will research the history of the problem, brainstorm and refine possible solutions, and develop a political strategy to begin solving whatever problem the class chooses. The overall goal of this course is to develop an action plan to educate and organize those who wish to be part of the solutions we propose.

Current Events, A/B Social Studies (new ESOL students only)

This class is a level A Social Studies class. Students will focus on current events daily. We will compare news from other countries, what to believe and what not to believe, and discuss our opinions on current topics both in discussions and writings.

Cognitive Bias Seminar, Social Studies 2/Honors

There can be no doubt that the human brain is uniquely powerful: apparently alone among Earth's animals, humans are capable of communicating across time and space using abstract symbols, of creating complex mental models, and of contemplating their own existence (as well as contemplating their own contemplation.) However, our brains also fail us constantly, usually in ways that we don't immediately recognize. This honors course is structured around reading about and discussing the nature of the various errors in thinking that human minds naturally fall prey to, recognizing the impact of these cognitive biases on real life events and situations, and trying to figure out what we can do about it. Essential Question: How far should we trust our own thinking?

Quarter 2 & Quarter 3

AP US History, US History AP

AP United States history explores the central conflicts of American history beginning with pre-Columbian peoples and continuing until the post-Cold war era. The class will require serious devotion, and a lot of time will be spent reading and writing. The purpose of the class is to facilitate college level skills which include persuasive, analytical writing and high level discussion. Students will take the AP exam in the spring and potentially receive college credit.

Quarter 2

Street Law, Government 1 (*Scholarly Writing*)

When can the police search you or your property? What are your rights as an employee or an employer? When are contracts legally binding and when can they be broken? Whether you are a citizen of the United States or a visitor the laws of this nation apply to you. Admittedly, some laws are more relevant to our daily lives than others. This course will explore US laws that every citizen should know about.

Comparative Government, A/B Government (new ESOL students only)

This class is a level A Government class. We will focus on gun control, immigration, and education, summarizing each party's beliefs in general and individual candidates' positions. In addition, students will introduce us to the laws and views in their own country on the issues covered, as well as the election process for their country's leader.

How Do You Know?, Social Studies 1/2 (*Scholarly Writing*)

As children, we view the universe as a concrete entity that is merely hidden from view. Much of early teaching is actually just the process of revealing facts and techniques which, rooted in the authority of the teacher, are meant to be taken at face value. As we develop, we recognize that power and knowledge are linked, and we must question what we have been taught as we become self-empowered. This course will explore the philosophy of knowledge and its relation to education, addressing topics ranging from empirical proof to logical inference to assertions rooted in power. For their exhibitions, each student will write a research paper in which the thesis answers the essential question "How is knowledge asserted, accepted, and changed?"

Applied Sociology, Social Studies 1 (*Scholarly Writing*)

Students will learn to use specific research methods used in the field of Sociology. They will read excerpts from studies and see how these methods are used. Guided discussions will be a large part of the course as students learn to understand the sociological perspective and methods. By the end of the course, students will work together to design their own study and report that will include data that they have collected themselves as well as research from other studies.

Quarter 3

Developmental Psychology, General Science or Social Studies 2 (*Scholarly Writing*)

Understanding human development usually takes a lifetime. We learn a great deal from our own experience, but we are rarely able to observe more than a few individuals over long periods of time. This course will allow us to examine the cognitive, emotional, moral, linguistic, and psychosocial aspects of growth and development over a human lifespan, from conception, through childhood, adolescence, adulthood, to death. We will examine historical theories and current arguments relevant to this area of psychology. Coursework includes research-based experimentation, written reflection, and presentation. We will be participating in the science fest as well! Essential Question: What happens to humans as they grow?

Economies of the Future, World Studies / Geography 2 SW

Automation, self-driving cars, 5G, and rapid innovation are just a few reasons the economies of tomorrow will be radically different. This course will explore the foundations of today's economy and try to understand how future economies might work. Specific attention will be paid to labor markets, sustainability, and the growth of artificial intelligence.

Quarter 4

Native American History, US History 1

Like all minorities in American History, Native Americans have a rich story which is too seldom told. This course will give a voice to that narrative, and we will study the complex histories of different North American tribes before the arrival of Columbus in 1492. The class will also explore the lives of Native Americans following European colonialism and study the tumultuous relationship of the United States of America and its first inhabitants.

Political Communication, Government 1

Patriot, communist, American, conservative, liberal, etc. These are some of the words we hear used to glorify or demonize people and ideas in our government. How do these words shape what government values and achieves? This course will examine major government actions and investigate how language has been used to shape those actions. We will analyze speeches, political cartoons, television commercials, blogs, and other media that are used to shape public discourse and influence public policy.

A Module

Semester 1

World Religions, World Studies / Geography 1

No matter where we humans live, most of us end up worshiping the divine. Why? And what is religion anyway? We will explore the many facets of religion, as well as the following traditions: Judaism, Christianity, Islam, Baha'i Faith, Hinduism, Buddhism, Jainism, Sikhism, and Chinese philosophy and religion, such as Confucian ideas and Daoism. We will take field trips to visit different houses of worship and meet priests, rabbis, imams and other religion experts. Get ready to explore the world...and world religions.

C Module

Semester 1

Greece: From Achilles to Alexandria, World Studies / Geography 2

Sometimes a small corner of the world has an outsize impact on history. Greece is one such place that has influenced philosophy, math, science, history, drama, and literature. In this class we will study the archeology, art, and arete (excellence) of Greek civilization. Be ready to taste the rich smorgasbord of civilization that the Greeks gave us.

Semester 2

Traveling the Ancient World with Herodotus, World Studies/Geography 1

In this course, we will learn about the ancient world from the world's first historian: Herodotus. As we read his life's work, we will discuss many interesting people and events, and we will make connections between ancient times and our own world today. As you will see, Herodotus was much more than a historian. He was intensely curious about everything, and as he travelled through many of the lands he described, he became the world's first travel writer, foreign correspondent, and cultural commentator. Imagine you could travel back to ancient Egypt and return to tell about all the strange things you saw and heard. Herodotus is the next best thing! You will also learn about the great war between the Greeks and the Persians. Why did they go war, and how did the weaker side win? Along the way, we will also consider whether Herodotus can teach us anything about recent history, or even the future.

Afternoon Module

Quarter 2

Women's History, US History 2

Fifty years ago, a new kind of history was born. For the first time, scholars realized that an important part of history had been neglected: the experiences of women. This course will retell the familiar stories of American history as they were experienced by women while analyzing the evolution of female identities and roles in the United States. We will discuss how women influenced, directly or indirectly, trends in American society, politics, and culture and examine how their experiences differed due to class and race.

Quarter 3

The Explorer, World Studies/Geography 1

At the turn of the 15th century, Europeans were gripped by an astonishing realization: Columbus had sailed west and had landed not in Asia, as he had thought, but in a New World. What was this New World like and what lay beyond it? Would anyone succeed where Columbus had failed? Was it possible to tap the riches of Asia by sailing west? In this course, we will explore these questions by reading and discussing *Over the Edge of the World*, by Laurence Bergreen, which tells the tale of the incredible voyage of Ferdinand Magellan. Along the way, you will learn about geography and cartography, sailing and navigation, and the 16th-century clash of cultures that shaped our world today.

China, from the Xia Dynasty to Xi Jinping, World Studies / Geography 1 (*Scholarly Writing*)

Today China is the most populous and, with the United States, most powerful country in the world. This is an amazing accomplishment given the tumultuous 20th Century that China endured. But world power status is not new to China. In this class we will learn about China from its prehistory through today. We will spend much of our time exploring the philosophy, art, and inventiveness of China. We will also take advantage of the Smithsonian collections at the Freer and Sackler galleries of art. Come ready learn about the world's longest-lived and most influential civilization!

Environmental Sociology, Social Studies 2 or General Science 2

Interaction with the environment varies according to social stratification, and people and societies disproportionately encounter environmental problems on the basis of nationality, class, race, and gender. This class, a course instructed by Carolina and Diana, will combine an examination of environmental justice and the science behind the environmental hazards which affect the lives of people around the world. Though students will attend both classes, students will receive either a Social Studies or a General Science credit depending on the student's needs.

Quarter 4

Positive Psychology, Social Studies 2

Much psychology research has focused on what is wrong with people—mental illness—but not as much on what is right. Positive psychology is the scientific study of human flourishing. In our class we will complete a brief overview of psychology and then dive into techniques to feel more positive emotions, engage in life, build relationships, find meaning, and pursue personal goals. Students will come away from the course with many tools to live a flourishing life.

Film: a Look at Classical Hollywood, Arts 1 or Social Studies

This course will dive into the Classical Hollywood period of film production. Students will be exposed to the styles, techniques, and approaches that led to some of the most iconic movies. Exploring films from the 1930s through the 1960s, students will extrapolate and reflect on their themes, period-defining characteristics, and historical importance. After gaining this perspective, students will compare the culture of film-making then to the present day. Students will also explore the Hollywood studio system and the difficulties it creates for actors and writers, and discuss how Classical Hollywood films would be perceived by modern-day audiences.

Computer Science & Electives

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
MORNING MODULE				
BILLY	Digital Music Composition <i>Computers 1</i>			
A MODULE				
BILLY	AP Computer Science			
TRAVIS			Introduction to Digital Photography <i>Computers 1</i>	
DANNY	Organization and Study Skills <i>Elective</i>		Organization and Study Skills <i>Elective</i>	
JOANNA	Study Hall		Study Hall	
B MODULE				
JONATHAN			Architectural Design <i>Computers 1</i>	
JOANNA	Study Hall		Study Hall	
C MODULE				
JONATHAN	Computer Assisted Design for Theatre and Film <i>Computers 1/2</i>			
DANNY	Organization and Study Skills <i>Elective</i>		Organization and Study Skills <i>Elective</i>	
JOANNA	Study Hall		Study Hall	
AFTERNOON MODULE				
SHANNAN				Digital Design <i>Computers 1</i>
BILLY		Physics and Simulations <i>Computers 1 or Physics 1</i>	Game Programming <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 plugins, 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?"

A Module

Year Long

AP Computer Science Principles, Computers AP

AP Computer Science Principles is a relatively new AP course tailor-made for the 21st century. This course assumes no knowledge of computers, starts with the absolute basics (what are the parts inside a computer) and builds out to include a comprehension of topics including programming, design, networking, real-world problem solving, and artificial intelligence. This course is based on the CS50 curriculum developed by David J. Malan of Harvard University.

Semester 2

Introduction to Digital Photography, Computers 1

"In the right light, at the right time, everything is extraordinary." -Aaron Rose

In this class we will attempt to make extraordinary images with digital cameras. While we will learn how to use our cameras, how to use basic editing software, and about some of the greatest photographers in history, the goal of this course is to create

high-quality images. We will work within various styles of photography (e.g. portraiture, landscapes, street, fashion, etc.) and work towards creating a public art exhibit.

NOTE: A digital camera is required for this class. The type of camera you have is not important, as long as it has manual controls. Please don't spend hundreds or thousands of dollars purchasing new equipment for this class. Many inexpensive cameras and lenses offer amazing image quality. Please contact Travis directly (tcooper@newschoolva.com) if you have any questions about equipment.

B Module

Semester 2

Architectural Design, Computers 1

In this course, students will explore interiors and architectural design through 3D modeling. 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.

C Module

Semester 1

Computer-assisted design for Theatre and Film, Computers 1

This course will focus on computer-based tools used for designing sets for both Theatre and Film. Students will design both interior and exterior sets using a combination of 2-D and 3-D techniques. Supplemental topics will include costume/fashion design and lighting design. Students will be able to confidently understand and implement the basics of designing for Theatre and Film by the conclusion of this course.

Afternoon Module

Quarter 2

Physics and Simulations, Computers 1 or Physics 1

In films, video games, and scientific fields, computers are vitally useful in realistically modelling how an event occurs. This course will use the computer software Mathematica to learn how to program real physical situations, from catapults to rockets to collisions. The use of software will allow us to delve deeply into physics without getting bogged down in arithmetic, and the course will serve as an excellent introduction to mechanics. This course may be taken for physics OR computers credit.

Quarter 3

Game Programming, Computers 2

Computer programming languages are increasingly relevant in society, and knowing how to code is to know how to speak the language of the future. This course will learn basic coding through scripting in C# for the Unity 3D game engine. Unity provides an intuitive user interface that makes the possibilities of computer programming approachable and exciting. Game Programming is a project-driven course, with students developing several of their own games. Each student will present his or her best game at the science fair in the spring.

Quarter 4

Digital Design, Computers 1

Students will learn to use professional software to visually convey information effectively. They 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.

Letter Modules

Semesters 1 & 2

Organization and Study Skills, Elective

The ability to learn is a skill that is easy to acquire, but difficult to master. Study Skills at The New School will focus on helping students figure out just how they learn best. We all learn things in different ways; what works for some people, won't work for others. Students will strive to strengthen their skill sets when it comes to scholastic pursuits both in school and at home. By joining with their classmates, and following their own individual pursuits, students in Study Skills will aim to become more comfortable and confident with their educational careers.

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 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 or History/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 or History/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, usually 20 hours in each of their 9th-, 10th-, and 11th-grade years.