

Saint Dominic
Junior & Senior
High School



Course Offerings
2026-2027

ST. DOMINIC JUNIOR & SENIOR HIGH SCHOOL

MISSION STATEMENT

Let it be known that the mission of St. Dominic Junior & Senior High School is to educate young people in a community dedicated to Gospel values and Catholic teachings. Ministering to students of diverse abilities, St. Dominic Junior & Senior High School strives to achieve wholeness through personal holiness, academic excellence, and social responsibility. The pride of this community is its celebration of a student's growth and individuality.

PASTOR

Rev. Walter Kedjierski

CHAPLAIN

Rev. Joseph Lettieri

ADMINISTRATION

Mrs. Nicole Milkowski Principal

Mr. Matthew O'Brien Director of Admissions

Mr. Christopher Mueller Athletic Director

Mrs. Sara Stanjones Director of Guidance

CURRICULUM AND COURSE SELECTION

The requirements for a St. Dominic High School Diploma and a New York State Regents Diploma or Advanced Regents Diploma must be a priority in planning a course of study supportive of an individual's goals, not only for the upcoming school year but after graduation as well. As a college preparatory high school, we recommend selecting courses with the intention of pursuing higher education and keeping in mind the expectations of the colleges of your choice. Success in your post high school years depends on how you challenge yourself academically in high school. Please see the next page(s) for NYS diploma and assessment requirements.

Courses should be chosen after careful consideration by both parents and students, taking into account the placement advice of guidance counselors and current teachers, and in accordance with the prerequisites noted herein.

It should be understood that placement in courses may be changed between registration time in the Spring and final placement the following Fall, based on a number of factors, including your final grade in a course, changes in course enrollment and scheduling conflicts. In the event of a scheduling conflict, the student will be asked to choose an alternative to his or her original selection.

Remember that at this time, you will be finalizing your courses for the upcoming school year; you should be certain that you understand the requirements and demands of each course for which you are registering. Again, consultation with faculty and counselors is strongly urged prior to registration. After the registration process has been completed, students will receive a final list of the courses in which they have been enrolled. ***Any issues or questions regarding the upcoming year's schedule must be resolved with the student's guidance counselor at that time, as no schedule changes will be permitted at the start of the school year unless they are deemed necessary by the administration.***

St. Dominic High School reserves the right to cancel or not offer courses listed herein based on insufficient enrollment. Should a course not be offered, students will be given the opportunity to adjust their schedules.

When Submitting Choices, Students Should:

- Read the descriptions carefully and note any prerequisites for courses.
- Make an honest assessment of abilities in consultation with parents, teachers and counselors.
- Check graduation, diploma and college requirements.
- Make sure they are familiar with NCAA course requirements, if applicable. * Denotes a non NCAA eligible course.
- Carefully review course selections with their counselor.

New York State Graduation Requirements and Diploma Types

Local Diploma*	
Required Courses	Credits
English	4
Social Studies	4
Math	3
Science	3
World Language	1
Health	0.5
Music/Art	1
Physical Ed.	2
Electives	3.5
Total	22

Regents Diploma	
Required Courses	Credits
English	4
Social Studies	4
Math	3
Science	3
World Language	1
Health	0.5
Music/Art	1
Physical Ed.	2
Electives	3.5
Total	22

Regents Diploma with Advanced Designation	
Required Courses	Credits
English	4
Social Studies	4
Math	3
Science	3
World Language	3
Health	0.5
Music/Art	1
Physical Ed.	2
Electives	1.5
Total	22

5 Required Exams Score of 55 + on each	
English Language Arts Regents	
1 Math Regents	
1 History Regents	
1 Science Regents	
1 Additional Regents Exam	

5 Required Exams Score of 65 + on each	
English Language Arts Regents	
1 Math Regents	
1 History Regents	
1 Science Regents	
1 Additional Regents Exam	

9 Required Exams Score of 65 + on each	
English Language Arts Regents	
3 Math Regents	
2 History Regents	
2 Science Regents	
World Language Checkpoint "B"	

*Local Diploma <i>*Only for Classified Students with Compensatory Safety Net Option</i>	

Regents with Honors Average of 90% or above on all 5 exams	

Advanced Regents with Honors Average of 90% or above on all 9 exams	

Special Endorsements

Mastery in Math and/or Science:

A student meets all the requirements for a Regents diploma with advanced designation AND earns a score of 85 or better on 3 math Regents examinations and/or 3 science Regents examinations.

SAINT DOMINIC HIGH SCHOOL REQUIREMENTS FOR GRADUATION

Required Units of Credit		Minimum Regents Exam Requirements	
Courses	St. Dominic Requirements	Regents Diploma	Advanced Regents Diploma
Theology	4 credits	N/A	N/A
English	4 credits	65% - English	65% - English
Social Studies	4 credits	65% - Global History* 65% - U.S. History*	65% - Global History 65% - U.S. History
Mathematics	4 credits	65% One Math Regents	65% - All 3 Math Regents
Science	4 credits	65% - One Science Regents	65% - 2 Sciences (1 life, 1 physical)
Health	½ credit	N/A	N/A
Art/Music	1 credit	N/A	N/A
World Languages	3 credits	N/A	Checkpoint "B" Exam
Physical Education/ Dance	2 credits	N/A	N/A

*1 additional math or science exam can be used in place of 1 social studies exam

Additional Notes Regarding Diploma Requirements:

All students are required to take the following subjects for **each** of their four years:

English	Mathematics
Social Studies	Theology
Science	Physical Education

All students, even those who begin their language at the second level during freshman year, are required to take three years of foreign language at St. Dominic High School. Students who qualify are *strongly* encouraged and recommended to take a fourth year of a world language.

All students are required to take a full schedule of courses each year. Students are permitted 1 full study hall period during senior year and 1 alternating day study hall during junior year.

In order to graduate, students are required to pass all of the courses in which they have enrolled during their senior year.

THINGS TO CONSIDER WHEN CHOOSING ADVANCED PLACEMENT OR COLLEGE COURSES

Please note the following for all Advanced Placement and College courses:

Careful consideration must be given when registering for AP or College courses. Each of these courses has a demanding college-level curriculum and workload. Students should understand that success in each of these classes will require that they spend a **significant** amount of time outside of the class time on reading, and other course work and assignments in each class. Only those who are willing and able to make the commitment necessary to be successful in these classes and who meet the prerequisites for them should request them.

All students in AP courses are required to take the AP examinations in those subjects and there is a fee, determined each year by the College Board, for all AP examinations. College courses also carry a fee for the college credits that accompany those courses. SDHS may apply an administrative fee for AP courses.

Students in Advanced Placement courses will not receive credit for those classes unless they adhere to the school's established attendance policies.

VIRTUAL HIGH SCHOOL and EDUCERE ONLINE

Students with special interests may have the opportunity to take courses online through the Virtual High School Global Consortium or Educere Online. These program offers a wide variety of courses in all subject areas that can be taken independently online. Because of the demanding nature of these classes, only those students who have a record of academic success and are strongly motivated, independent learners can be considered for them. Any student interested in a Virtual High School or Educere Online course should discuss the matter with his or her guidance counselor who can give him or her further information regarding the courses offered and the requirements of each. A fee will apply for any classes taken through the Virtual High School or Educere Online programs.

NCAA REQUIREMENTS

Below are the requirements for college-bound student athletes enrolling full-time at an NCAA Division 1 college or university:

- Minimum core-course GPA of 2.3 required for competition.
- 10 of the required 16 core courses must be completed by the beginning of senior year (7 must be in the area of English, Math or Science).
- Additional Resources can be found on the **NCAA Eligibility Center website**.

Summary of necessary core courses:

- 4 years of English
- 3 years of Mathematics (Algebra, Geometry, Algebra II, Pre-Calculus)
- 2 years of Science
- 1 additional year of English, Math or Science
- 2 years of Social Science
- 4 years of extra Core Courses from any category above or World Language

Sample Two-Year Junior High Program

	Grade 7	Grade 8
1	English	English
2	Social Studies	Social Studies
3	Math	Math
4	World Language	World Language
5	Lunch	Lunch
6	Science	Science
7	Health 7/ PE/Dance	Science Lab PE/Dance
8	Religion 7	Religion 8
9	Fine Arts/ Study Hall	Fine Arts/ Study Hall

Sample Four-Year High School Program

	Grade 9	Grade 10	Grade 11	Grade 12
1	English	English	English	English
2	Social Studies	Social Studies	Social Studies	Social Studies
3	Math	Math	Math	Math
4	World Language	World Language	World Language	(World Language) Elective
5	Lunch	Lunch	Lunch	Lunch
6	Science	Science	Science	Science
7	Science Lab PE/Dance	Science Lab PE/Dance	Science Lab PE/Dance	Science Lab PE/Dance
8	Theology 9	Theology 10	Theology 11	Theology 12
9	Fine Arts STEM	Health Elective	Electives	Electives

ENGLISH

5017 - English Language Arts Grade 7 **Grade 7** **1 Credit**

This year we will focus on many components of the English language, including building skills in grammar, vocabulary, and spelling. In addition, reading comprehension and writing will be strengthened throughout the year. While working with novels, short stories and nonfiction pieces, students will explore and expand both their knowledge and skills with literature.

5018 - English Language Arts Grade 8 **Grade 8** **1 Credit**

In an effort to prepare for high school-level work, students will continue to strengthen their writing and reading skills while addressing grammar, vocabulary, and spelling. Novels, short stories, non-fiction, and a Shakespearean Play will be the foundation for the exploration of larger ideas and morality.

3112 – English 9R **Grade 9** **1 Credit**

The ninth grade English curriculum is based upon a genre approach to literature. Short stories, poetry, drama, novels, and film will be utilized throughout the year in order to assist students in developing their appreciation and understanding of the English language. A strong emphasis will be placed on grammar, expository writing, critical analysis, and literary response and expression. Writing assignments will include timed in-class essays, reflective responses to literature in the form of journal entries, and a formal MLA research paper.

3113 –English 9H **Grade 9** **1 Credit**

This rigorous course includes an intense examination of various works of literature. Students will examine beliefs/moral constants found in major literary forms from several cultures and eras to arrive at an understanding of what is constant and universal. To develop a broad vision and an independent appreciation of such a wide array of literary works, students should expect to maintain an intense reading and writing schedule. Throughout this course, students will be taught grammar, usage, and mechanics through lessons and practice drawn from the textbook as well as through the reflection of the students' own writing. Writing assignments will include all those done in English 9R; however, writing assignments will be lengthier and more frequent. Written assignments will be graded more stringently than those of English 9R. *Prerequisite: A qualifying grade on the English Placement Examination.*

3122 – English 10R **Grade 10** **1 Credit**

English 10 is a literature-based course designed to challenge students both in the comprehension and in the analysis of the works. The course is comprised of units of study for which novels provide a focus and springboard for various discussions and writing assignments. The novels chosen will center on the unique perspectives of people throughout the world during various periods of history. During each unit, students will be responsible for a careful, analytical reading of the text as well as the completion of several correlating written assignments. Throughout this course, students will be taught grammar, usage, and mechanics through lessons and practice drawn from the textbook as well as through the reflection of the students' own writing. Vocabulary is taught using the Sadlier Workshop as well as in context of the literature of the class. Writing assignments completed during this course include analytical essays, and an argument research paper modeled after the New York State Common Core Regents examination.

3124 – Pre-Advanced Placement English 10 **Grade 10** **1 Credit**

Pre-Advanced Placement English 10 is designed to challenge highly motivated students and prepare them to become AP ready. Students are assessed in terms of comprehension and analysis of the works read at home. The course is comprised of units of study for which the novels provide a focus and springboard for various discussions and writing assignments. During each unit, students will be responsible for a careful, analytical reading of texts as well as the completion of several correlating written assignments. Throughout this course, students will be taught grammar, usage, and mechanics through lessons and practice drawn from the textbook as well as through the reflection of the students' own writing. Vocabulary is taught using the Sadlier Workshop as well as in context of the literature of the class. Writing assignments completed during this course include analytical essays, a research paper, and argumentative essays modeled after the New York State Common Core Regents examination. Pre-AP English students are taught to look beyond superficial analysis to question why the author employed particular strategies. *Prerequisites: A final average of 88 or higher in Honors English 9; students in Regents English must have a final average of 94 or higher and the approval of the English Department.*

3132 – English 11R	Grade 11	1 Credit
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This course is an exploration of American literature. Students will critically analyze literature for the author's use of literary elements and techniques for the author's meaning considering the social, historical, and cultural context. Writing assignments will be based on the works read and will be developed as an argument to prove a thesis; in addition, a research paper is required using MLA citation, and students will draft a college essay. Grammar, usage, and mechanics will be taught formally through lessons and practice drawn from the textbook as well as through the reflection of the students' own writing. Vocabulary will be taught formally through exercises and review in order for students to draft more sophisticated prose. Students will perfect the reading and writing skills necessary for the New York State Common Core English Regents examination taken in June, the SATs, and the ACTs.

3134 - Advanced Placement	Grade 11	1 Credit
Language and Composition		

Advanced Placement Language and Composition is a full-year course of studies in literature and writing which prepares students in their junior year of high school to sit for the Advanced Placement examination in May. Students will be expected to analyze and synthesize information from primary and secondary sources, as well as to write in lean, sophisticated, and fluid prose. Students will annotate works in order to develop close reading skills. As part of this reading process, students will study various modes of writing, such as expository, narrative, and persuasive. Students will study texts for the author's use of style through syntax, diction, tone, mood, character, structure, perspective, imagery, figurative language, and theme. In addition to the tools of prose, students will also study the tools of rhetoric, especially in the context of argumentation and persuasion, including logical fallacies, propaganda, and rhetorical devices. Students will implement these tools and strategies in their own creative, analytical, and persuasive works. When students write, they will participate in a complete writing process, including first drafts, peer editing, rewriting, teacher commentary/conferencing, and final composition. Students will be required to take the Advanced Placement Exam in Language and Composition in May (a fee determined by the College Board is due) and to take the English Regents Examination in June. *Prerequisites: A final average of 88 or higher in Pre-AP English 10; students in Regents English 10 must have a final average of 94 or higher and the approval of the English Department. Students who are within 5 points of the prerequisite may request to have the committee review their course placements.*

3141- British Literature	Grade 12	1 Credit
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This course focuses on a variety of classic and modern British literature, incorporating literary theory and reading comprehension, evidence-based research, and discussion skills. Course study will include a variety of genres such as poetry, prose, essay, and drama. In this course students will be required to complete writing assignments and speeches in conjunction with the works read. Also required in this course is a formal MLA-style research paper.

3144 - Advanced Placement English	Grade 12	1 Credit
Literature and Composition		

Advanced Placement English Literature and Composition is a college-level English course for the highly motivated student. The course adheres to outlines set forth in the College Board's course description booklet. Analysis and synthesis, in both reading and writing, about poetry, short stories, novels and plays are required. A formal research paper is part of this course's curriculum. All students are required to take the Advanced Placement Examination in Literature and Composition in May (a fee determined by the College Board is due). *Prerequisites: A final average of 88 or higher in AP Language and Composition; students in Regents English 11 must have a final average of 94 or higher and the approval of the English Department. Students who are within 5 points of the prerequisite may request to have the committee review their course placements.*

3199 - Media Studies	Grades 10 - 12	½ Credit
3197- Media Studies II		

The main focus of this class is to explore the effectiveness of visual and print media. Students will study the techniques of broadcasting in videography, radio and print, and develop the written and oral skills essential to the production of such media. They will use their knowledge to create various projects such as commercials, interviews, podcasts, radio shows, and also produce school news, sports, and highlights while incorporating the techniques studied. Students will engage in the planning, recording and editing processes of production using editing software and working in the Communications Studio. Students will also explore printed news media and focus on the reporting, interviewing and editing techniques for various types of work that will be featured in the school newspaper, Literary Magazine, yearbook, and school website. Projects will allow for individual and group work and will be presented throughout the course of the year. *Note: Course will run based on sufficient enrollment.*

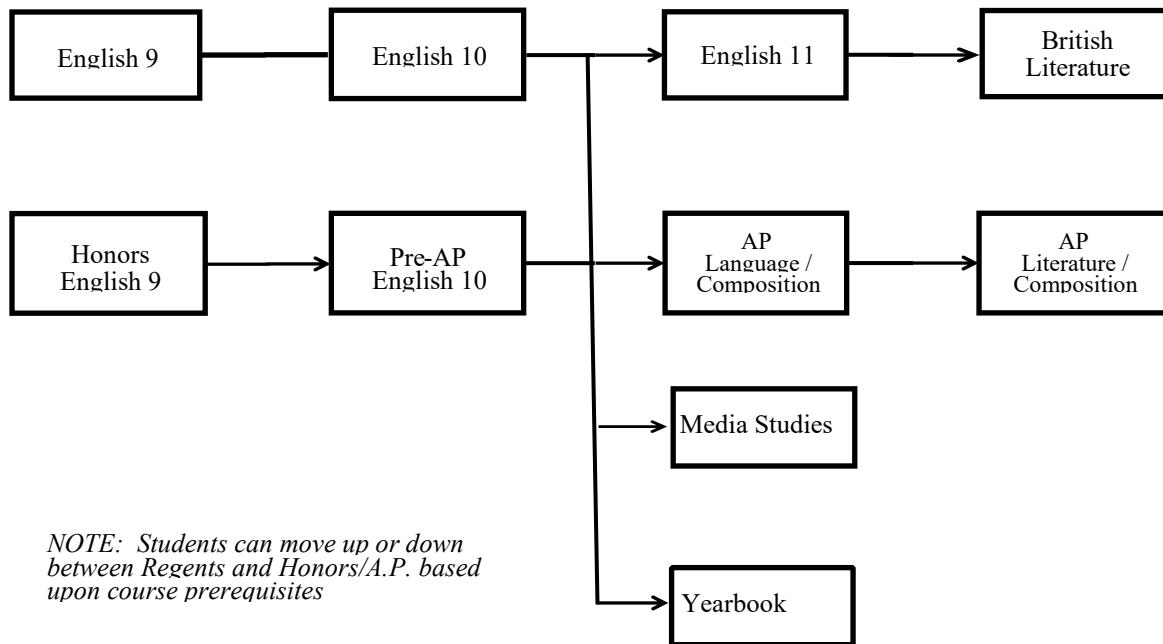
3348 - Yearbook

Grades 11 & 12

½ Credit

The focus of this course will be the successful completion of the Stella Maris yearbook. Each student will be responsible for the layout and content of the book. Students will format, place pictures, and write content for the book. In order to be successful, a student must be motivated and have the ability to meet deadlines. Prerequisites: English Chairperson and current English Teacher approval required. NOTE: Enrollment in this class is limited and will be on a first-come, first-served basis.

English Typical Sequences



FINE ARTS & MUSIC

8017- Art Grade 7
8018- Art Grade 8

½ Credit

One of the most important things to look for in works of art is the way those works have been designed or planned. To do this means you must know what the elements and principles of art are and how they are used to create art objects. The elements of art are the basic components or building blocks. They consist of color, value, line, texture, shape, form and space. Artists use the elements of art to express their ideas. We are not referring to the media the artist uses, such as paint or clay or stone, but to the visual vocabulary used by the artist. If the elements of art are what artists use to express their ideas, what are the principles of art? The principles of art are the different ways the elements can be used in a work of art. The principles of art consist of balance, emphasis, harmony, variety, gradation, movement, rhythm and proportion.

1214 –Studio Art

Grade 9

½ Credit

This course introduces students to the foundation and building blocks of the Visual Arts. Designed to address the experience and learning levels of all students, this class will explore the Elements of Art and Principles of Design through a variety of media incorporating two and three-dimensional design. Students will learn how classic and contemporary artists have applied these foundations to their works throughout Art history. Students will learn to analyze, critique, and self-reflect throughout each artistic process. Projects encourage individuality, creative expression and learning in a collaborative environment through peers.

1234 – Drawing and Painting

Grades 10-12

½ Credit

This course provides an in-depth exploration to the practices and materials associated with drawing and painting and prepares students to work in a variety of media. The curriculum emphasizes drawing and painting from observation and the development of thematic drawing and painting from observation and the development of thematic drawing and painting. Students further develop skills established in Foundations in Studio Art, including form, light, perspective, color theory, proportion and scale. Students will also study art history, aesthetics, and art criticism in order to become aware of how these practices are applied to their own artwork. *Prerequisites: Completion of Studio Art.*

1262 –Sculpture

Grades 10-12

½ Credit

Students will be provided with a basic sculpture experience extended from his or her knowledge of drawing to develop three-dimensional visual thinking skills. Students will be introduced to hand building techniques of ceramics including pinch, coil & slab, and will create 3-dimensional works using variety of media. Emphasis on ceramic arts and the use of traditional and non-traditional methods and materials by sculptors throughout history will be explored. *Prerequisites: Completion of Studio Art.*

1281 – Drawing & Design

Grades 10-12

½ Credit

This course is designed for students preparing for Advanced level Studio Art. This course builds on the principles of Drawing & Painting. The studio projects are designed to engage students in visual challenges that improve both technique and imaginative thinking. Complex visual challenges will be presented, and students will pursue a more sophisticated approach to painting and drawing in the creation of personal and meaningful works of art. *Prerequisites: Completion of Studio Art and Drawing & Painting.*

1275- Advanced Art

Grades 11-12

½ Credit

An upper-level course designed for the student who wishes to further develop skills and techniques that were introduced in previous art courses. Students will focus studio experience on the process of how works of art evolve from beginning concepts to finished compositions. Specific visual challenges and problem solving will progress to more individual expressive pieces free from traditional boundaries. Students will work independently under the direction and consultation of an art teacher. Creative work in studio and homework assignments will prepare students for Advanced Art portfolio. The course is intended for advanced students creating a personal portfolio and or students preparing artwork for college review committees. *Prerequisites: Completion of Studio Art, Drawing & Painting, Drawing & Painting.*

1280 – Advanced Art Portfolio	Grade 12	½ Credit
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In this course, advanced students will focus on portfolio development as they continue to develop skills in producing high quality works of art. Emphasis is placed on creating more complex visual statements. Students will be encouraged to expand their creative ideas as well as their technical potential. All forms of drawing media are encouraged to assist in the creation or refinement of a well-rounded portfolio. This is a student driven curriculum, with each student able to propose and pursue art projects in different mediums. Teacher will facilitate student learning and provide assistance with pacing, and feedback. It is expected that at the end of the year students will have developed a portfolio of quality artwork that may be presented to colleges. *Prerequisites: Completion of Studio Art, Drawing & Painting, Drawing & Design*

1600 – Concert Choir	Grades 9-12	1 Credit
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The St. Dominic Choir is geared for students who have an interest and passion for performing and singing. These students participate in year-round events for our school as well as participate in weekly school masses, which is a mandatory requirement for this class. Anyone interested in joining the choir must have prior experience. The student must also feel comfortable with performing in front of large groups of people. ***Course will only run if there is sufficient enrollment.***

6152—Introduction to Dance	Grades 7-12	½ Credit
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Welcome to the Dance Program at St. Dominic High School! I hope you are ready to dive into the art of dance, discover your special talents and bring those talents to life while in an intense and professional working environment. Within the year, students will train in the disciplines of Ballet, Contemporary/Lyrical and Jazz, focusing on the basic technique and foundations of each style. *This course is designed for the student who has only trained in Dance for 0-4 years. This class is also geared for the student whose previous dance experience dates back to when they were ages 3-8 years old.* The end goal is for the dancer to perform in the culminating showcase at the end of the year.

6154—Intermediate/Advanced Dance	Grades 9-12	½ Credit
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Welcome to the Dance Program at St. Dominic High School! I hope you are ready to dive into the art of dance, discover your special talents and bring those talents to life while in an intense and professional working environment. This class will build upon your current and previous dance experience and focus on further training and development. Within the year, students will train in the disciplines of Ballet, Contemporary/Lyrical and Jazz, which will lead to their performance at the end of the year. Advanced dancers also have the opportunity to choreograph their own original work and submit it into the showcase as well. **This class is specifically geared towards a dancer who has significant and thorough dance experience.** *Necessary requirements: This class should be designed for the dancer who has been seriously and consistently trained. The age the dancer began should be between 3-5 yrs. old or carried a thorough dance schedule from whenever they started.*

6156—Advanced Dance	Grades 9-12	½ Credit
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Welcome to the Dance Program at St. Dominic High School! I hope you are ready to dive into the art of dance, discover your special talents and bring those talents to life while in an intense and professional working environment. This class will build upon your current and previous dance experience and focus on further training and development. Within the year, students will train in the disciplines of Ballet, Contemporary/Lyrical and Jazz. A student who is eligible for the Advanced Level Dance Class must satisfy the following prerequisites: enrolled in a Dance Studio from at least the age of 5 years old and presently still enrolled in their studio without taking a long leave of absence. The student should have taken Ballet for at least 7 years with other styles of Dance as a supplement. This student should also have experience performing, whether that be an Annual Recital, Dance Competition, Dance Convention-Workshop, Master Class, or Summer Intensive. The student should have been enrolled in Dance Classes within The St. Dominic Dance Program for at least 3 years, or have held a consistent place within The St. Dominic Dance Ensemble. Any student who wishes to audition for a space within the Advanced Dance Class and has not been a previous Dance Student must be in contact with Ms. Pitaluga. Advanced Dancers also have the opportunity to choreograph their own original work and submit it into The St. Dominic Dance Showcase at the end of the year. This student is also eligible to enroll in both the Dance History, Choreography and Composition Class and Dance Ensemble Rehearsal Class.

6157—Dance Ensemble Rehearsal

Grades 9-12

½ Credit

The Dance Ensemble Rehearsal Class is specifically designed for students who are current members of The St. Dominic Dance Ensemble. The class will be used to rehearse, review, and begin new pieces for the group to perform at school events. This class is a great way for those select students to further work on their performance skills, performance technique, and of course, competence with the choreography. The students who are setting an original piece of choreography will also benefit from having the additional opportunity to add on and improve the concept of their piece.

6160—Dance History, Choreography and Composition

Grades 9-12

½ Credit

The Dance History, Choreography and Composition Class is designed for students who are currently enrolled in Intermediate or Advanced Dance Classes. This class will involve exploring the earlier years of Dance and how each style has evolved and progressed over time. The students will study and learn about Professional Dance Companies and repertoire they perform. Projects and cooperative group studies will take place during the Dance History portion of the class. Students will also learn about the tools needed for Choreography and Composition and the components of setting their own piece. The format of this class is interactive, cooperative, and investigative.

MATHEMATICS

5208 – Pre-Algebra*

Grade 7- 9

1 Credit

The curriculum for this course includes operations with rational numbers, solving equations, ratios, proportions, percentages, functions, graphing and basic statistics and probability. It also touches upon basic topics of geometry such as angle relationships and properties of a triangle. This course is designed to strengthen the student's mathematical foundation and prepare them to begin Algebra and the other Regents courses. Requirement: TI-84+ Graphing Calculator. *Note: This class includes a summer assignment.*

5202 – Algebra I R

Grades 8 - 10

1 Credit

This course is a part of the required New York State Next Generation Learning Standards Mathematics syllabus encompassing topics in Number and Quantity, Algebra, Functions, and Statistics and Probability. Areas covered in this course include: the real number system, factoring, operations with polynomial and rational expressions, creating equations, reasoning and modeling with equations and inequalities, functions and their graphs, linear, quadratic, and exponential models, and interpreting categorical and quantitative data. Students will take the Algebra Regents Examination in June. Requirement: TI-84+ Graphing calculator. *Note: This class includes a summer assignment. Prerequisite: 8th graders must have an average of 88% or higher in Math 7*

5212 – Geometry R

Grades 9 & 10

1 Credit

This course is designed to cover the second part of the New York State Next Generation Learning Standards Mathematics syllabus. Topics include triangle congruency, transformations and rigid motions, formal proofs, geometric constructions, similarity and proportion, right triangle trigonometry, the area, volume, cross-sections of solids and rotations of two-dimensional objects, the geometry of circles, coordinate geometry and slopes of parallel and perpendicular lines. Students will take the Geometry Regents Examination in June. Requirement: TI-84+ Graphing calculator, compass and straightedge. *Prerequisites: Successful completion of Algebra 1. Note: This class includes a summer assignment.*

5214 – Geometry H

Grades 9 & 10

1 Credit

This course is an enriched version of Geometry which is designed to cover the second part of the New York State Next Generation Learning Standards Mathematics syllabus. Topics include triangle congruency, transformations and rigid motions, formal proofs, geometric constructions, similarity and proportion, right triangle trigonometry, the area, volume, cross-sections of solids and rotations of two-dimensional objects, the geometry of circles, coordinate geometry and slopes of parallel and perpendicular lines. Students will take the Geometry Regents Examination in June. Requirement: TI-84+ Graphing calculator, compass and straightedge. *Prerequisites: Successful completion of Algebra (5202) with an overall average of 88% in Algebra 1 or departmental approval. Enrollment for freshmen will be determined by placement examination score. Note: This class includes a summer assignment.*

5227 – Algebra II R

Grades 10 & 11

1 Credit

This course is designed to cover the third part of the New York State Next Generation Learning Standards Mathematics syllabus. Topics include polynomial, rational, and radical relationships and functions, trigonometric functions and identities, complex numbers and operations, exponential and logarithmic functions, and probability and statistics. Students will take the Algebra II Regents Examination in June. Prerequisites: Successful completion of Algebra and Geometry. Requirement: TI-84 Graphing calculator. *Note: This class includes a summer assignment.*

5228 – Algebra II H

Grades 10 & 11

1 Credit

This course is an enriched version of Algebra II which is designed to cover the third part of the New York State Next Generation Learning Standards Mathematics syllabus. Topics include polynomial, rational, and radical relationships and functions, trigonometric functions and identities, complex numbers and operations, exponential and logarithmic functions, and probability and statistics. Students will take the Algebra II Regents Examination in June. Requirement: TI-84 Graphing calculator. *Prerequisites: Successful completion of Honors Geometry with an overall average of 88% or Geometry with an overall average of 88% AND successful completion of Algebra 1 with an overall average of 88% or departmental approval. Note: This class includes a summer assignment.*

5140 – Pre-Calculus	Grades 11 & 12	1 Credit
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This course includes the study of Elementary Functions and their properties, introduces Curve Sketching, Conic Sections, Limits, and the problems of Tangents to a Curve and Area under a Curve, in preparation for College-Level Calculus. Requirements: TI-84 Graphing calculator. *Prerequisites: Successful completion of Honors Algebra II or Algebra II. Note: This class includes a summer assignment.*

5142 – Pre-Calculus H	Grades 11 & 12	1 Credit
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This course includes the study of Elementary Functions and their properties, introduces Curve Sketching, Conic Sections, Limits, and the problems of Tangents to a Curve and Area under a Curve. In preparation for College-Level Calculus, the majority of the course is completed without the use of a calculator. Requirements: TI-84 Graphing calculator. *Prerequisites: Successful completion of Honors Algebra II with an overall average of 88% or Algebra II with an overall average of 88% or departmental approval. Note: This course will require summer preparation work.*

5291 – Introduction to Statistics	Grades 11 & 12	1 Credit
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This course offers an introduction to statistics and probability application. Topics to be discussed include analyzing and collecting data, probability, sampling distributions, testing claims, and inference for categorical variables and regression. This course includes lively real-life examples, projects and activities to help captivate students and prepare them to use statistics in college courses and in any career. Requirement: TI-84 Graphing calculator *Note: This course will require summer preparation work.*

5144 – Advanced Placement Calculus AB	Grade 12	1 Credit
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This is a demanding college-level Calculus course. Topics include limits and continuity, differentiation techniques and the derivative of functions, applications of the derivative (i.e. motion, equation of the tangent line, optimization, extrema and concavity), integration and integrals of functions, application of the integral (i.e. area under a curve, volume of a solid revolution), differential equations and slope fields. All students will take the A.P. Calculus AB examination in May (for which there is a nominal fee required). To prepare for the examination, topics will be studied with and without the use of a calculator. Students may potentially elect to pay for 8 college credits through St. John's University in conjunction with this course. Requirement: TI-84 Graphing calculator. *Prerequisite: Successful completion of Honors Pre-Calculus with an overall average of 88% or higher or departmental approval. Note: This course will require substantial summer preparation work.*

5216 - Advanced Placement Statistics	Grades 11 & 12	1 Credit
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This is a demanding college-level Statistics course that follows the College Board AP Statistics curriculum. Topics include sampling and experimental design, the role of graphical displays as an important component of data analysis, analyzing and drawing conclusions, anticipating patterns and using statistical inference, residual analysis, normal probability plots and simulation. The analysis of data will include the use of real data extracted from journal articles, newspapers, and other published sources. All students will take the A.P. Statistics examination in May (for which there is a nominal fee required). Students may potentially elect to pay for 4 college credits through St. John's University in conjunction with this course. Requirement: TI-84 Graphing calculator. *Prerequisite: Successful completion of Algebra II with an overall average of 88% or higher or successful completion of Pre-Calculus with an overall average of 88% or higher or department approval. Note: This course will require substantial summer preparation work.*

5232 – Practical Math Applications*	Grades 11 & 12	1 Credit
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This course includes the study of applying mathematical concepts in various personal and business situations. Material discussed and taught in this course will help prepare students for real world situations and provide students with a foundational understanding to make informed personal financial decisions. Students will explore various topics including gross and net income, recordkeeping, checking and savings accounts, charge accounts and credit cards, sales, taxes, insurance, retirement, investments, loans, and budgeting fixed and variable cost. NOTE: Students who have completed Algebra or Geometry during junior year may take Practical Math Applications as their primary Math course during senior year. Students who have completed Algebra II and are not continuing to Pre-Calculus may take Practical Math Applications as their primary Math course. For all others, this course may be taken as an elective in addition to their primary Math course. *Note: This class includes a summer assignment.*

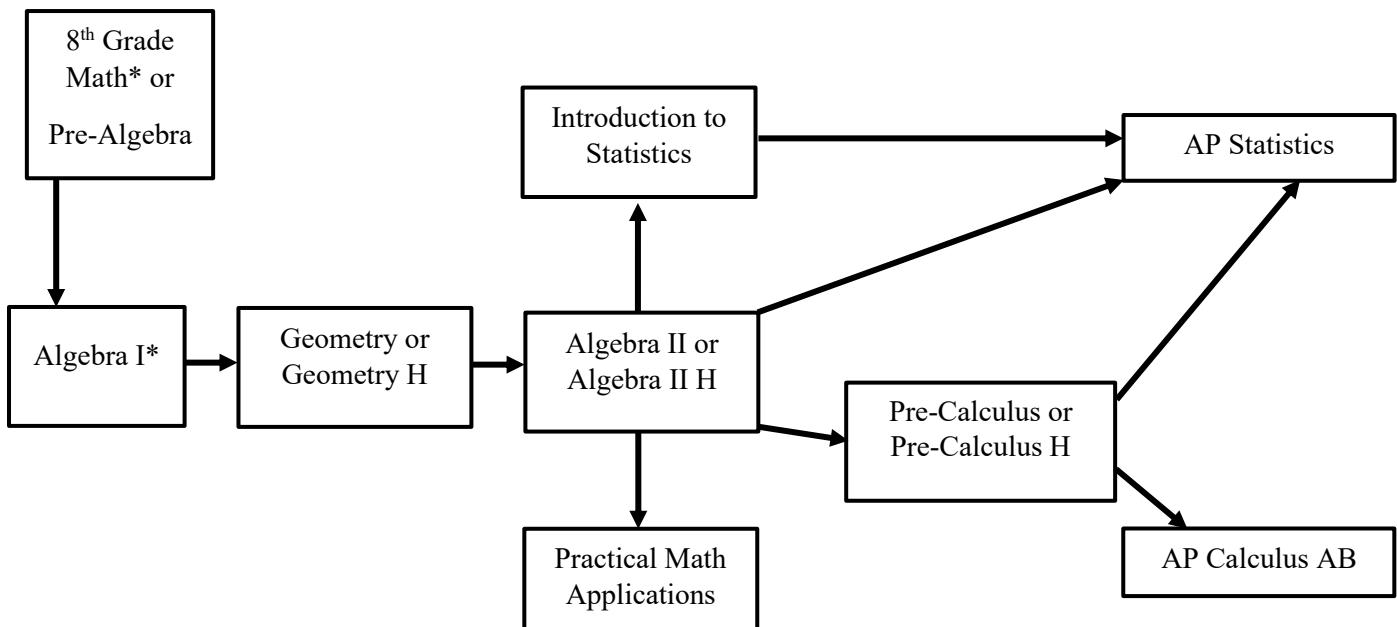
5242 – Molloy University Bloomberg Market Concepts*	Grade 12	1/4 Credit
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Students will apply the fundamental concepts and tools of finance to the decisions faced in investment decisions. Students will make an informed judgement about whether or to what extent a financial market satisfies the conditions of an efficient market. Students will be required to complete a series of modules while traveling to Molloy University to become Bloomberg certified. Limited enrollment, application required. Transportation fee may apply.

Mathematics

Typical Sequences

NOTE: Students may move up or down between the Regents sequence and the Honors sequence based upon course prerequisites.



PHYSICAL EDUCATION & HEALTH

6017- Physical Education Grade 7

$\frac{1}{2}$ Credit

6018- Physical Education Grade 8

Middle School Physical Education is a required course designed to promote lifelong physical fitness, personal responsibility, and respect for self and others. This course emphasizes the development of the whole person, while fostering an appreciation for healthy, active living. Students will participate in a variety of individual and team activities that develop fundamental movement skills, sport-specific skills, fitness concepts, and cooperative behaviors. Instruction focuses on physical fitness components, goal setting, teamwork, leadership, sportsmanship, and safe participation in physical activity. Students are encouraged to demonstrate fairness, perseverance, and respect, reflecting Catholic values in both competitive and non-competitive settings.

7017- Health Grade 7

$\frac{1}{2}$ Credit

Middle School Health Education is a required course focusing on Physical, Mental-emotional and Social well-being. Students will explore topics such as personal wellness, nutrition, physical activity, mental and emotional health, peer relationships, decision-making, digital citizenship, substance abuse prevention, and safety. Age-appropriate instruction on human development is presented within the context of Catholic moral values, emphasizing self-respect, responsibility, and the importance of family and community. Through discussion, reflection, and cooperative activities, students will strengthen critical thinking, communication, and goal-setting skills.

6150 – Physical Education

Grades 9–12

$\frac{1}{2}$ Credit

Students will be instructed in the gross motor skills essential to participation in team sports. Progressions will be used culminating in participation in organized games. Emphasis will be placed on knowledge of the rules and basic fundamentals as they apply to sports. Rules, regulations, motor skill work and team play will be reviewed with emphasis placed on organized games. During the year, the students are expected to be able to complete physical fitness examinations.

The following sports will be covered during each trimester:

Quarter 1:
 Cooperative Games
 Volleyball
 Bus Drills
 Outdoor Walking

Quarter 2:
 Flag Football
 Fitness
 Soccer

Quarter 3:
 Basketball
 Speedball
 Yoga/Meditation
 CPR/AED Training

Quarter 4:
 Badminton/Pickleball
 Ultimate Frisbee
 Backyard/Outdoor Games
 Outdoor Walking

*Depending on class size some individual sports will be added: ping pong, golf, bowling, tennis, outdoor learning.

6152—Introduction to Dance	Grades 7-12	½ Credit
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Welcome to the Dance Program at St. Dominic High School! This course is designed to provide students with the proper fundamentals and tools in order to become the complete effective and efficient dancer. I hope you are ready to dive into the art of dance, discover your special talents and bring those talents to life while in an intense and professional working environment. Within the year, students will train in the disciplines of Ballet, Contemporary/Lyrical and Jazz, focusing on the basic technique and foundations of each style. This course is specifically geared to the student who is brand new to dance or has only trained for a short number of years. The end goal is for the dancer to perform in the culminating showcase at the end of the year.

6154—Intermediate Dance/Advanced Dance	Grades 9-12	½ Credit
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Welcome to the Dance Program at St. Dominic High School! I hope you are ready to dive into the art of dance, discover your special talents and bring those talents to life while in an intense and professional working environment. This class will build upon your current and previous dance experience and focus on further training and development. Within the year, students will train in the disciplines of Ballet, Contemporary/Lyrical and Jazz. A student who is eligible for the Intermediate Level Dance Class must satisfy the following prerequisites: enrolled in a Dance Studio from at least the age of 5 years old and presently still enrolled in their studio without taking a long leave of absence. The student should have taken Ballet for at least 7 years with other styles of Dance as a supplement. This student should also have experience performing, whether that be an Annual Recital, Dance Competition, Dance Convention-Workshop, Master Class, or Summer Intensive. Intermediate Dancers also have the opportunity to choreograph their own original work and submit it into The St. Dominic Dance Showcase at the end of the year. This student is also eligible to enroll in the Dance History, Choreography and Composition Class.

6156—Advanced Dance	Grades 9-12	½ Credit
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Welcome to the Dance Program at St. Dominic High School! I hope you are ready to dive into the art of dance, discover your special talents and bring those talents to life while in an intense and professional working environment. This class will build upon your current and previous dance experience and focus on further training and development. Within the year, students will train in the disciplines of Ballet, Contemporary/Lyrical and Jazz. A student who is eligible for the Advanced Level Dance Class must satisfy the following prerequisites: enrolled in a Dance Studio from at least the age of 5 years old and presently still enrolled in their studio without taking a long leave of absence. The student should have taken Ballet for at least 7 years with other styles of Dance as a supplement. This student should also have experience performing, whether that be an Annual Recital, Dance Competition, Dance Convention-Workshop, Master Class, or Summer Intensive. The student should have been enrolled in Dance Classes within The St. Dominic Dance Program for at least 3 years or have held a consistent place within The St. Dominic Dance Ensemble. Any student who wishes to audition for a space within the Advanced Dance Class and has not been a previous Dance Student must be in contact with Ms. Pitaluga. Advanced Dancers also have the opportunity to choreograph their own original work and submit it into The St. Dominic Dance Showcase at the end of the year. This student is also eligible to enroll in both the Dance History, Choreography and Composition Class and Dance Ensemble Rehearsal Class.

6331 – Health	Grades 9-12	½ Credit
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The successful completion of health is a graduation requirement in New York State. This course provides an in depth study of the major health issues facing young people today- including stress management & coping skills, nutrition, eating disorders, heart disease, cancer, sexually transmitted diseases, and drug and alcohol abuse. Lecture topics are reinforced through audio-visual presentations, in-class assignments, homework, tests and projects. Class participation is strongly encouraged.

SCIENCE

3017 – Science Grade 7

Grade 7

1 Credit

This course will explore the fundamental principles of biology and the intricate web of life on Earth. The curriculum begins with an investigation into what is living and exploring the various domains of life. Students will also study levels of biological organization, how these systems interact to maintain homeostasis within the human body, genetic inheritance, biotechnology, evolution, animal and plant survival strategies, ecology, and how energy and matter flow through living systems. By synthesizing information and conducting hands-on investigations, students will develop a comprehensive understanding of life sciences while honing their scientific reasoning and inquiry skills, preparing them for future studies in biology and environmental science.

03008 – Earth and Space Science R

Grades 8 - 10

1 Credit

Formerly known as ***Earth Science*** this course is designed to present the recently updated Earth Science curriculum set forth by New York State. Topics covered in this course include space systems, history of the earth, earth systems, weather and climate, and human sustainability. Students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: minimum of 1200 laboratory minutes including 3 NYS Investigations and the Regents examination in June. A nominal Regents review book fee will apply.

03050 – Life Science: Biology R

Grades 9 & 10

1 Credit

Formerly known as ***Living Environment*** this course is designed to present the recently updated biology curriculum set forth by New York State. The major topics of biology are discussed, including structure and function, matter and energy in organisms and ecosystems, interdependent relationships in ecosystems, inheritance and variation of traits, and natural selection and evolution.. Students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: A minimum of 1200 laboratory minutes including 3 NYS Investigations and the Regents examination in June. A nominal Regents review book fee will apply.

03120 – Physical Science: Chemistry

Grades 10 & 11

1 Credit

This course is designed to present the recently updated Physical Setting/Chemistry curriculum set forth by New York State. The major topics covered in this course include: chemical bonding, chemical reactions, math principles of chemistry, oxidation and reduction, nuclear chemistry, organic chemistry, kinetics and equilibrium. Students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. A nominal Regents review book fee will apply. Requirements: A minimum of 1200 laboratory minutes including 3 NYS Investigations and the Regents examination in June. A nominal Regents review book fee will apply. Prerequisites: Sophomores – final average of 85 or above in Biology and Earth and Space Science and 80 or above in Algebra; Juniors’ – Successful completion of Biology or Earth and Space Science, and successful completion of Algebra.

03170 – Physical Science: Physics

Grades 11 & 12

1 Credit

This course is designed to present the recently updated Physical Setting/Physics curriculum set forth by New York State. The major topics covered in this course include: mechanics, electricity and magnetism, waves and optics, and modern physics. Throughout the course of the year students are encouraged to question their world and are instructed in the methods and means that modern science uses to investigate it. Students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. This course is particularly encouraged for students seeking to pursue careers in medicine or STEM, as many colleges require it. A nominal Regents review book fee will apply. Requirements: A minimum of 1200 laboratory minutes including 3 NYS Investigations and the Regents examination in June (Note: the Regents examination is required for Juniors’ only.) Prerequisites: final average of 85 or above in Chemistry (5632) and a final average of 85 or above in Geometry (5212/4) or Departmental Approval. If Algebra II has not already been taken, a student must be enrolled in Algebra II as a corequisite.

5644 – Advanced Placement Environmental Science**Grades 10 - 12****1 Credit**

This is a demanding college level course dedicated to the study of environmental studies. Students will engage with scientific principles, concepts, and methodologies required in understanding the interrelationships of the natural world. The course requires students to identify and analyze natural and human-made environmental problems and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology environmental science, chemistry, and geography. The math component to this course covers the following topics: dimensional analysis, scientific notation, and problem solving. Requirements: Formal laboratory write ups, Advanced Placement examination in May (there is a fee determined by the College Board). *Prerequisites: A final average of 90 or above in Earth & Space Science and Biology. Anyone not meeting the prerequisite who wishes to take an AP course will be required to take a qualifying exam. A summer prep program may be required. Students entering an AP science are responsible for completing the accompanying summer assignment.*

5542 – Advanced Placement Biology**Grades 11 & 12****1 Credit**

This is a demanding college-level course where students will explore life from the smallest molecular interactions to macro-level patterns in evolution and ecology. Topics to be investigated include: the chemistry of life, cell structure and function, cellular energetics, cell communication and the cell cycle, heredity, gene expression and regulation, natural selection and ecology. Anatomy is not a unit of study in this course, though case studies in human health will be touched upon as they relate to other units. There will be laboratory work that will reinforce concepts learned during lecture. Requirements: Formal laboratory write ups, Advanced Placement examination in May (there is a fee for the exam which is determined by the College Board). *Summer assignment required; failure to complete the summer assignment on time may result in the removal from class in September. Prerequisites: A final average of 90 or above in Regents Chemistry and completion of Biology. Anyone not meeting the prerequisite who wishes to take an AP course will be required to take a qualifying exam. Students entering an AP science are responsible for completing the accompanying summer assignment.*

5634 – Advanced Placement Chemistry**Grades 11 & 12****1 Credit**

This is a demanding college-level course where students will explore atomic and molecular interactions that shape our world. Topics to be investigated include matter and measurements; atoms, molecules and ions; mass relations in chemistry; physical behavior of gases; the electronic structure of the atom; chemical bonding; liquids and solids; rate of reaction; gaseous chemical equilibrium; acids and bases; acid-base/ precipitation equilibria; redox; electrochemistry and thermodynamics. There will be laboratory work that will reinforce concepts learned during lecture. Requirements: Formal laboratory write ups, Advanced Placement examination in May (there is a fee for the exam which is determined by the College Board). *Prerequisites: A final average of 90 or above in Chemistry and a current Algebra II grade of at least a 90. Anyone not meeting the prerequisite who wishes to take an AP course will be required to take a qualifying exam. Students entering an AP science are responsible for completing the accompanying summer assignment. Course will run based on sufficient enrollment.*

5546 – Advanced Placement Physics**Grades 11 & 12****1 Credit**

This is a demanding college-level course where students will develop their understanding of physics through an algebra-based lens. Topics to be explored include kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, and torque and rotational motion. There will be a substantial amount of inquiry-based, hands-on laboratory work to reinforce each topic. Requirements: Formal laboratory write ups, Advanced Placement examination in May (there is a fee determined by the College Board). *Prerequisites: A final average of 90 or above is required in Physics R (if taken already) and Geometry. Students must have a final average of 90 or above in Algebra II. A summer prep course is required for students who have not taken physics. Anyone not meeting the prerequisite who wishes to take an AP course will be required to take a qualifying exam. Students entering an AP science are responsible for completing the accompanying summer assignment.*

NOTE: Seniors not taking Physics or Advanced Placement science (or Juniors who have completed Chemistry but do not meet the prerequisites for Physics) must choose either Anatomy and Forensics or Astronomy. A senior taking another science may request to take either of these as an elective if his/her schedule permits.

5630 – General Chemistry***Grades 10 & 11****1 Credit**

This elective course is for students who have already satisfied their Regents science requirements and need an elective science course or for those students who need a basic understanding of chemistry. The basics of chemistry will be explored and topics will include scientific method, the metric system, matter and energy, atomic structure, and the periodic table. Please note that this course does not offer the required laboratory time for the Regents examination in Chemistry, so students will not take that exam. Laboratory work, done at the discretion of the teacher, will be incorporated within the regularly scheduled class period. *Prerequisites: Students must have successfully completed Biology and Earth & Space Science.*

5588 – Anatomy and Forensics**Grades 11 & 12****1 Credit**

The first portion of this class will be dedicated to the study of anatomy and physiology. Topics that will be covered in the first portion of this course include: medical terminology, basic organizations of the human body, cells and tissues, and health and disease. The second portion of this course will be dedicated to the study of forensics. Topics that will be covered in the forensics portion of this course include fingerprint analysis, evidence collection, and crime scene analysis through which students will further develop their analytical and observational skills. During the year, students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics.

5598 – Astronomy**Grades 11 & 12****1 Credit**

Students will study astronomy dating back to ancient times through the most current breakthroughs and technologies, from basic night sky observations with telescopes to measuring gravity waves with LIGO. This course surveys how stars make the energy of the universe through stellar nucleosynthesis and then outlines their full life cycles from protostars to blackholes. Using principles developed throughout the course, students will explore Quantum and Modern Physics theories and activities to gain an understanding of the fundamental laws that govern the universe. From stars, we evolve outward into galaxies and their formation and into finding alien life on ocean worlds within our own Milky Way. The course concludes with the universe's larger structures and how dark energy and dark matter dictate its evolution as well as how space and time are not necessarily what they seem.

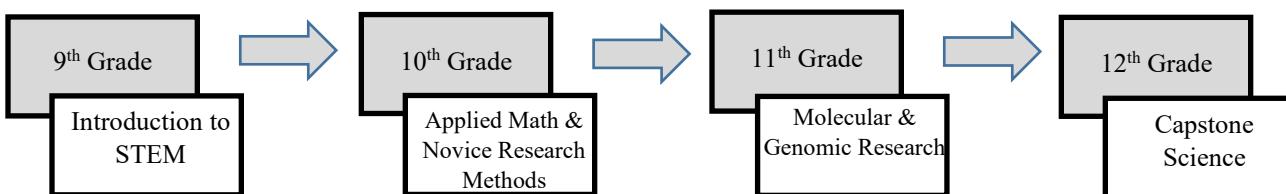
Typical Science Sequences

8th	9th	10th	11th	12th
General Science (Non-Regents)	Regents Earth and Space Science	Regents Life Science: Biology	Regents/General Chemistry OR Elective Science OR AP Science	Regents Physics OR Elective Science OR AP Science
8th	9th	10th	11th	12th
Regents Earth Science OR Regents Earth and Space Science	Regents Life Science: Biology	Regents Chemistry OR General Chemistry OR AP Environmental Science	Regents Physics OR Elective Science OR AP Science	Same options as Grade 11 (less the science course already taken)
8th	9th	10th	11th	12th
Regents Living Environment OR Regents Life Science: Biology	Regents Earth and Space Science	Regents Chemistry OR General Chemistry OR AP Environmental Science	Regents Physics OR Elective Science OR AP Science	Same options as Grade 11 (less the science course already taken)
Regents Courses		Elective Courses		AP Science Courses
<ul style="list-style-type: none"> • Earth and Space Science <ul style="list-style-type: none"> • Formerly Earth Science • Life Science: Biology <ul style="list-style-type: none"> • Formerly Living Environment • Chemistry • Physics 		<ul style="list-style-type: none"> • General Chemistry (10 & 11) • Anatomy and Forensics (11 & 12) • Astronomy (11 & 12) 		<ul style="list-style-type: none"> • AP Environmental Science • AP Biology • AP Chemistry • AP Physics

All science course placements are subject to prerequisites and/or departmental approval. Please refer to the individual course description, department chair, and your guidance counselor for specific questions.

STEM

STEM Science Path



5962 – Introduction to STEM

Grade 9

½ Credit

This course provides a primer on the field of STEM, incorporating both individual and collaborative group projects to learn about the scientific method and engineering design process, all while building their science literacy and skills. Students will compete in STEM challenges, explore STEM careers, and learn about relevant technologies such as AI, 3D CAD, and others. Requirements: a \$50 lab materials fee will be charged.

5972 - Applied Math and Novice Research Methods

Grade 10

½ Credit

This course is designed to expose students to the math, research methods, and scientific literacy they will need to become successful science researchers. Students will use data analysis software programs to manipulate experimental data and see how math is used in various STEM fields in the real world. Students will complete a variety of individual and group projects throughout the year to foster their ability to think critically and collaborate to solve a problem. Since a major part of science research is proposal writing, students will also spend the part of the year learning how to read scientific journal articles, write formal lab reports, and construct research proposals. This will prepare them for Molecular and Genomic Research (5950) and build a foundation for future research pursuits. Requirements (TI84+) graphing calculator and \$50 lab materials fee will be charged.

5950 – Molecular and Genomic Research

Grade 11

1 Credit

This is an advanced biology course focusing on molecular biology research taught in collaboration with Cold Spring Harbor Laboratory's DNA Learning Center (DNALC). The DNALC is the world's first science center devoted entirely to genetics education and is an operating unit of Cold Spring Harbor Laboratory, a world-renowned center for genetics, cancer, bioinformatics, neurobiology and plant research. For the first half of the year, students will be traveling to the DNALC daily during periods 8 and 9, where they will be instructed in molecular biology and bioinformatics techniques used in current research to address questions in biodiversity, gene function, and human variation. Students will then create an independent research project based on the skills they have acquired throughout the year. Requirements: Students must submit a proposal, carry out a group research project and present at the Barcode Long Island Symposium in June. Prerequisites: Department Approval. Cold Spring Harbor Fee will be charged.

5981 - Capstone Science Research

Grade 12

½ Credit

In this final course of the four-year STEM program, students who have successfully completed Molecular and Genomic Research (5950) develop and propose a research project that can be answered by studying eDNA from water, soil, or a biological source using Oxford Nanopore Sequencing. Students will spend the first portion of the year learning about eDNA collection, preservation, and isolation techniques before designing their proposal for Barcode Long Island. Prerequisites: Molecular & Genomic Research. Requirements: Students must present their research at the Barcode Long Island Symposium in early June, which is after graduation.

SOCIAL STUDIES

4017- Social Studies Grade 7
Grade 7
1 Credit

Grade 7 Social Studies is arranged chronologically and incorporates geography as well as economic, social and political trends. The course content is divided into eight Key Ideas, tracing the human experience in the United States from pre-Columbian times until the Civil War, with a focus on the people, events, and places in New York State as applicable. This course is the first of a two- year sequence designed to give students an in-depth knowledge and understanding of United States History.

4018- Social Studies Grade 8
Grade 8
1 Credit

Grade 8 Social Studies is arranged chronologically, beginning with Reconstruction and ending at the present, and incorporates geography as well as economic, social and political trends. The course content traces the human experience in the United States from Reconstruction to the end of World War II. The course examines different themes in United States and New York State history from the post-War period up to the present day, which provides the opportunity to explore contemporary issues. This course is the second of a two-year sequence designed to give students an in-depth knowledge and understanding of United States History.

3412 – Global History & Geography 9 R
Grade 9
1 Credit

This course is the first year of a two-year sequence designed to give students an in-depth knowledge and understanding of world history and the relationship of different cultures to each other. It will feature a chronological approach and will begin with Early Man and conclude with the Age of Absolutism (1750). Skill development will be stressed and current events will be used to show the connection that exists between the past and the present. *Note: This class includes a summer assignment.*

3417 -- AP Human Geography
Grade 9
1 Credit

AP Human Geography introduces high school students to college-level introductory human geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human–environment relationships on places, regions, cultural landscapes, and patterns of interaction. The goal for the course is for students to become more geoliterate, more engaged in contemporary global issues, and more informed about multicultural viewpoints. There are several units to this course. *Prerequisite: A qualifying grade on the Social Studies Placement Examination. Note: This class includes a summer assignment that is more rigorous than summer assignments for non-AP level courses. This assignment is a requirement and will be graded upon return to school in September.*

3422 – Global History & Geography 10 R
Grade 10
1 Credit

This course is the second year of the two-year sequence designed to give students an in-depth knowledge and understanding of world history and the relationship of different cultures to one another. It will feature a chronological approach and will begin with the French Revolution and conclude with modern times. Skill development will be stressed and current events will be used to show the connection that exists between the past and the present. Requirements: Regents Examination in June. *Note: This class includes a summer assignment.*

3424 – Advanced Placement World History Modern
Grade 10
1 Credit

The AP World History course develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses. The AP World History course content is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. All students are required to take the Advanced Placement examination in World History in May (for which there is a fee, determined by the College Board). Students must also take the Global Regents Examination in June. *Prerequisites: A final average of 88% or higher in Global History & Geography 9H; Students in Regents Global History must obtain departmental approval and must have an average of 95% or higher in order to be considered. Note: This class includes a summer assignment that is more rigorous than summer assignments for non-AP level courses. This assignment is a requirement and will be graded upon return to school in September.*

3432 – United States History R	Grade 11	1 Credit
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This course provides an in-depth study of United States history. As prescribed by the New York State Board of Regents, it will include a chronological survey of United States History. There will be a special emphasis on the United States as an industrial and post-industrial nation and the accruing problems. Constitutional and legal issues during this period and their impact on society will also be stressed. Major topics include Reconstruction, industrialization, the Depression, both world wars and major conflicts, various presidential administrations as well as many social and economic issues. This course will also focus on current events, concentrating on domestic and international issues. Requirements: United States History Regents in June. *Note: This class includes a summer assignment.*

3434 – Advanced Placement U. S. History	Grade 11	1 Credit
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This college-level course is a demanding, in-depth examination of American History from the colonial period to the present day. Both chronological and conceptual views of the United States will be emphasized. The objective of this course is to introduce the student to historical documents from primary sources, from which coherent historical accounts are crafted. Like any American History class, all major topics such as immigration, industrialization, Imperialism, and Capitalism are studied. Students taking this course are expected to become critical thinkers by reading an extensive selection of primary documents, which will stimulate reflection on the richness, variety and complexity of American history. All students are required to take the Advanced Placement examination in United States History in May (for which there is a fee, determined by the College Board). Students must also take the United States History Regents Examination in June. *Prerequisites: A final average of 88% or higher in AP World History. Students in Regents Global History 10 must obtain departmental approval and must have a final average of 95% or higher to be considered. Note: This class includes a summer assignment that is more rigorous than summer assignments for non-AP level courses. This assignment is a requirement and will be graded upon return to school in September.*

3445 – Government & Economics	Grade 12	1 Credit
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This is a one-year course in government, politics, and economics which will focus on the role such forces play in our lives. Students will experience these processes through activities such as voter registration drives, political elections, community service projects, and a stock market project. They will follow the trail of local, state, and national politicians in order to better understand our political environment. Communication and writing skills will be enhanced through these activities. In the area of economics, the student will gain an overview and understanding of general economic principles. Concepts such as scarcity, supply and demand, productivity, growth, and interdependence will be examined. An examination of the New York Stock Market, reporting of taxes, banks, money, and international economics will be included in the course content. *Note: This class includes a summer assignment.*

3444 – Advanced Placement Government & Politics with Economics	Grade 12	1 Credit
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This challenging, college-level course is a serious examination of the constitutional underpinnings of the United States government; political beliefs and behaviors; political parties, interest groups and mass media; institutions of national government; the Congress, the presidency, the bureaucracy, and the federal courts, public policy; and civil rights and civil liberties. The course will also look at the role and function of the government in economics: the basic concepts, the interactive nature and function of the economic and political policies. All students are required to take the Advanced Placement Examination in United States Government and Politics in May (for which there is a fee, determined by the College Board). *Prerequisites: A final average of 88% or higher in AP U.S. History. Students in Regents U.S. History must obtain departmental approval and must have a final average of 95% or higher to be considered. Students who are within 5 points of the prerequisite may request to have the committee review their course placement. Note: This class includes a summer assignment that is more rigorous than summer assignments for non-AP level courses. This assignment is a requirement and will be graded upon return to school in September.*

3541—Criminal Justice	Grades 11 & 12	½ Credit
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Introduction to Criminal Justice is an exploration of the historical development, current operation, and future trends of criminal justice. Emphasis will be placed on contemporary problems in the definition of law, the enforcement of law, strategies of policing, judicial systems, sentencing strategies, correctional practices, and emerging forms of justice. Students will be introduced to the notion that our definitions of what constitutes a "crime", how society responds to it, and how we explain crime and criminals have changed over time. *Note: This class will only run with sufficient enrollment.*

3561 – Psychology	Grades 11 & 12	½ Credit
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This class will introduce the student to the basic principles underlying the science of psychology. Topics covered will include psychological foundations, abnormal psychology, theories of learning, motivation and emotion. This course will include behavior change contracts and short-term projects and experiments in order to facilitate an understanding of psychological theories in the forefront today. *Note: This class will only run with sufficient enrollment. This course will be offered every other school year and will next be offered for the 2027-2028 school year.*

3544 – Sociology	Grades 11 & 12	½ Credit
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This course is designed as an analytical, skills-based introduction to sociology. Sociologists investigate the structure of groups, organizations and societies and how people interact within those contexts. Students will be encouraged to look at culture, groups, social structures, the power and influence of the media and other topics through the lens of a sociologist. The skill of understanding the dynamics of interaction is a valuable tool to possess and can be useful in a variety of professions and occupations.

3563 - International Relations	Grades 11 & 12	½ Credit
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The International Relations Class will provide a framework for studying the complexities of timely international issues and examining United States foreign policy. In this course, students will pay close attention to current events, global problems, and their historical context. Students taking this class are expected to participate in regularly held discussions, debates, and simulations related to international relations. *This course will be offered every other school year and will next be offered for the 2027-2028 school year.*

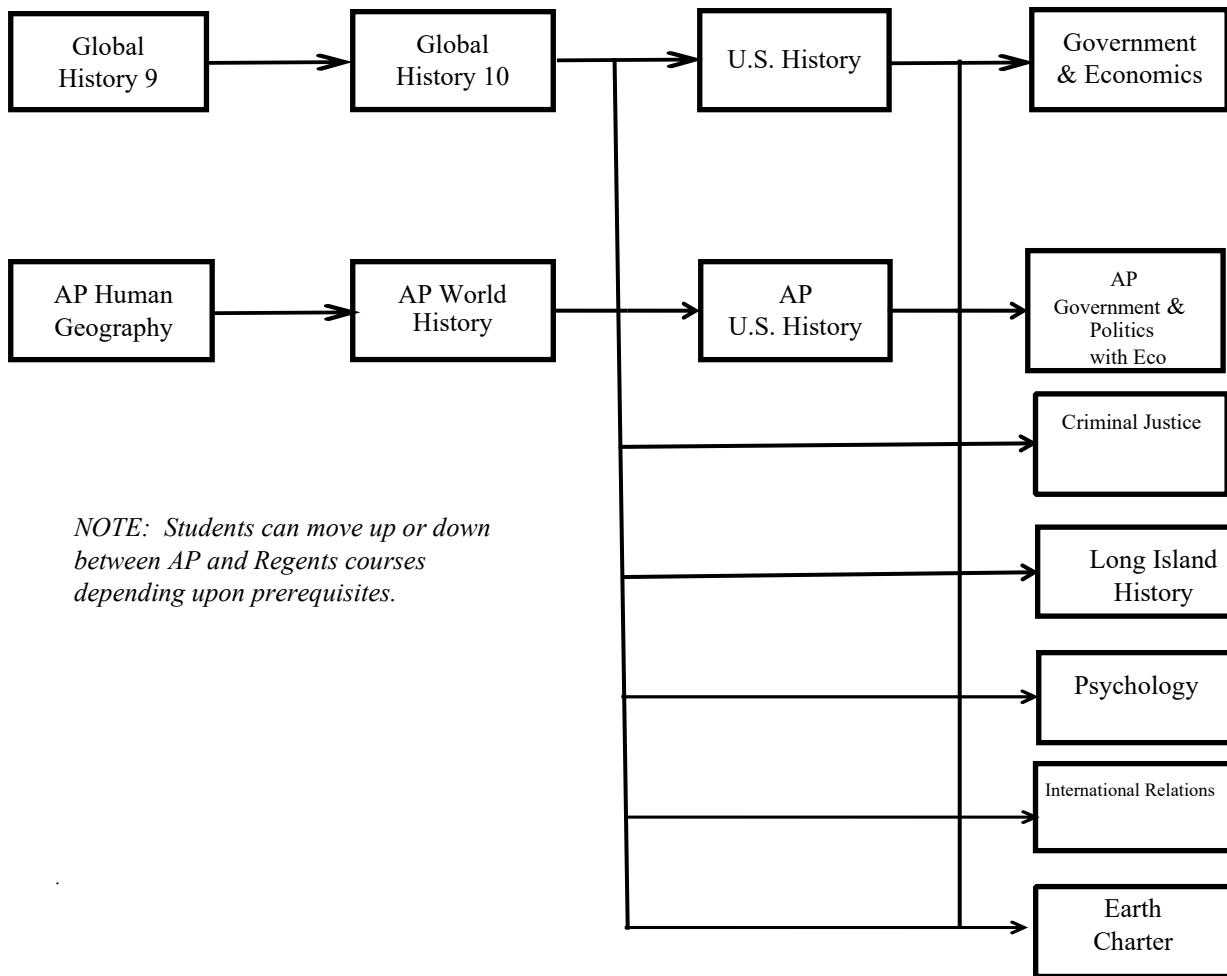
3454 - Earth Leadership, Sustainability & Global Citizenship with the Earth Charter	Grades 11 & 12	½ Credit
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This course will introduce and explore the notion of global citizenship, sustainable development and ethics, as well as its implications for leadership and social change. The course will look at concepts and practical examples related to current global challenges, sustainability, ethical and unethical leadership and global citizenship. *Note: This class will only run with sufficient enrollment*

LOH1S01- Long Island History	Grades 11 & 12	½ Credit
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This course explores the history of Long Island from its earliest Indigenous communities through the 21st Century. Students will learn about the cultures and legacies of the Native peoples, Long Island's role in the American Revolution, 19th-century maritime industries and whaling economy, the growth of industrialization and the rise of 1950s suburbia, including Levittown and the influence of aviation and defense industries. The course concludes by looking at key developments and challenges that shaped Long Island and will regularly use historical sources to deepen their understanding of how Long Island has changed over time. *Note: This class will only run with sufficient enrollment*

Social Studies Typical Sequences



THEOLOGY

1017- Religion Grade 7*
1018- Religion Grade 8*

1 Credit

Junior High Religion- Confirmation Preparation & the Saints

Theology 7-8 will focus on the origins and spread of Christianity, accompanied by an in-depth study of the Saints. This course will also encourage the faith of the students through journal reflections and Lectio Divina.

7114 - Theology 9*

1 Credit

The Revelation of God in the Old Testament Leading to Christ

This course seeks to provide freshman students with an encounter with Jesus Christ, the Church, and the Church's Tradition in a beautiful and inspiring way. Students are introduced to the story of salvation as it unfolds in the Old Testament. Through a survey of the Bible, this course will assist young Catholics in deepening their knowledge of the Word and the unfolding of God's plan in Salvation History. In addition, students are introduced to catholic theological methods, vocabulary, liturgy, and devotions.

7124 – Theology 10*

1 Credit

Encountering Jesus Christ in the New Testament, the Liturgical Calendar and The Saints

Our sophomores will delve deeply into the New Testament and cultivate an appreciation of the deep connections between the Old and New Testaments, and most especially to draw connections between the life of Christ, the Paschal Mystery, and their own lives. We also hope that our students will develop a profound understanding that it is God Himself speaking to them in Sacred Scripture. In addition, students will gain an understanding of the liturgical calendar, the canonization process, and The Saints.

7134 – Theology 11*

1 Credit

Your Life in Christ – Foundations in Catholic Morality

The junior theology class will focus on Catholic Moral Theology. In this class, students will examine authentic human freedom as the basis for all of moral theology. They will also receive an overview of moral theology, while delving deeply into the different facets of moral theology, namely, Christian Marriage and Family, Catholic Social Teaching, and Biomedical Ethics. Our hope is that our students will come to an awareness that to live the Church's moral teachings is to live an authentically free life.

7144- Theology 12*

1 Credit

Catholic Apologetics, Vocation & Mission

Through a survey of various facets of Catholic Theology, this course will empower our students to know, to love, to live, and to defend their faith in the public square. The ultimate goal of this course is for students to leave Saint Dominic High School with a love for Jesus Christ and his Church, whereby they may be bold, loving, and effective evangelizers in the world. In addition, students will have an understanding of the different states of life, vocations in life, and the ultimate calling or mission of where God is calling them in life. The ultimate question is asking- What is the meaning of my life, and where is God leading me?

WORLD LANGUAGES

4501 –Spanish 1A
4601 –Italian 1A

Grade 7

1 Credit

In this introductory course, students will learn and use thematic vocabulary and common phrases necessary to develop interpretive, interpersonal, and presentational communication skills. Cultural themes will be incorporated throughout the year. ***This course will prepare students to take level I in 8th grade.***

4512 – Spanish I
4611 – Italian I

Grade 8 & 9

1 Credit

In this first-level course, basic grammatical structures are emphasized. Vocabulary and verbs are studied from the beginning phases of elementary composition and reading. Attention is also given to the cultural aspects of the language. The introduction to reading will be incorporated throughout the year. All students entering the 9th grade will take one of these courses unless they have qualified for advancement to level II.

4522 – Spanish II
4612 – Italian II

Grades 9 & 10

1 Credit

In the second level, emphasis is placed on acquiring a greater facility in speaking, reading, writing and understanding a world language. Students will continue to build fluency through thematic vocabulary units and more advanced grammatical structures. Structured compositions will receive greater emphasis, and cultural material will be studied. ***Prerequisites: Successful completion of High School Level 1.***

4524 – Honors Spanish II
4613 – Honors Italian II

Grades 9 & 10

1 Credit

Emphasis is placed on acquiring a greater facility in speaking, reading, writing and understanding a world language. Students will continue to build fluency through thematic vocabulary units and more advanced grammatical structures. Structured compositions will receive greater emphasis, and cultural material will be studied. All students entering the 9th grade, with one unit of high school credit, should take one of these courses. ***Prerequisites: A final average of 94 or higher in High School Level I.***

4533 – Spanish III
4614 – Italian III

Grades 10 & 11

1 Credit

This course will prepare the student with greater depth in all language skills: listening, speaking, reading and writing. Students will continue to build fluency through thematic vocabulary units and more advanced grammatical structures. Structured compositions will receive greater emphasis, and cultural material will be studied. Students will also prepare to take the FLACS Checkpoint B Exam. ***Prerequisite: Successful completion of Level II.***

4534 – Honors Spanish III
4615 – Honors Italian III

Grades 10 & 11

1 Credit

This course will prepare the student with greater depth in all language skills: listening, speaking, reading and writing. Students will continue to build fluency through thematic vocabulary units and more advanced grammatical structures. Structured compositions will receive greater emphasis, and cultural material will be studied. Students will also prepare to take the FLACS Checkpoint B Exam. ***Prerequisites: A final average of 92 or higher in Level II Honors; 94 or higher in Level II Regents.***

4617—Italian IV**Grades 11 & 12****1 Credit**

This course is a survey of the culture and literature of Italy. Representative works from selected literary periods will be covered. Through the study of the Italian culture and literature, the students will simultaneously develop a better command of the Italian language. *Prerequisites: Successful completion of Level III.*

4616 – Italian IV Honors**Grades 11 & 12****1 Credit**

This course is a survey of the culture and literature of Italy. Representative works from selected literary periods will be covered. Through the study of the Italian culture and literature, the students will simultaneously develop a better command of the Italian language. *Prerequisites: Successful completion of level III Honors with a final average of 92 or higher or level III with a final average of 94 or higher*

4554—Spanish IV**Grades 11 & 12****1 Credit**

This course continues to develop fluency through thematic units incorporating more advanced vocabulary, grammar, and culture with a focus on social and global contexts. Current non-fiction texts as well as survey of prominent Spanish and Latin American Literature are incorporated to introduce students to various types of written works from throughout the Spanish-speaking world. *Prerequisites: Successful completion of Level III.*

4543 – College Spanish IV**Grades 11 & 12****1 Credit**

This course is part of the Adelphi University High School program. It carries dual credit: (1) one high school credit which satisfies the school credit for a world language sequence, and (2) six college credits applicable to advanced standing as a college freshman. This course continues to develop fluency through thematic units incorporating more advanced vocabulary, grammar, and culture with a focus on social and global contexts. Current non-fiction texts as well as survey of prominent Spanish and Latin American Literature are incorporated to introduce students to various types of written works from throughout the Spanish-speaking world. *Prerequisites: Successful completion of level III honors with a final average of 92 or higher or level III with a final average of 94 or higher.*

4645 - AP Italian Language and Culture**Grade 12****1 Credit**

The AP Italian Language and Culture course takes a comprehensive approach to language proficiency and focuses on comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. The course engages students in an exploration of culture in both contemporary and historical contexts. A qualifying grade on the Advanced Placement Examination may earn college credit. An Advanced Placement course may require substantial summer reading and preparation work. Completion of summer assignments is essential to classroom success. Students are required to sit for the College Board AP Examination (fee required). *Prerequisites: Successful completion of Italian IV Honors with a final average of 90 or higher. Offered through virtual high school or Educere.*

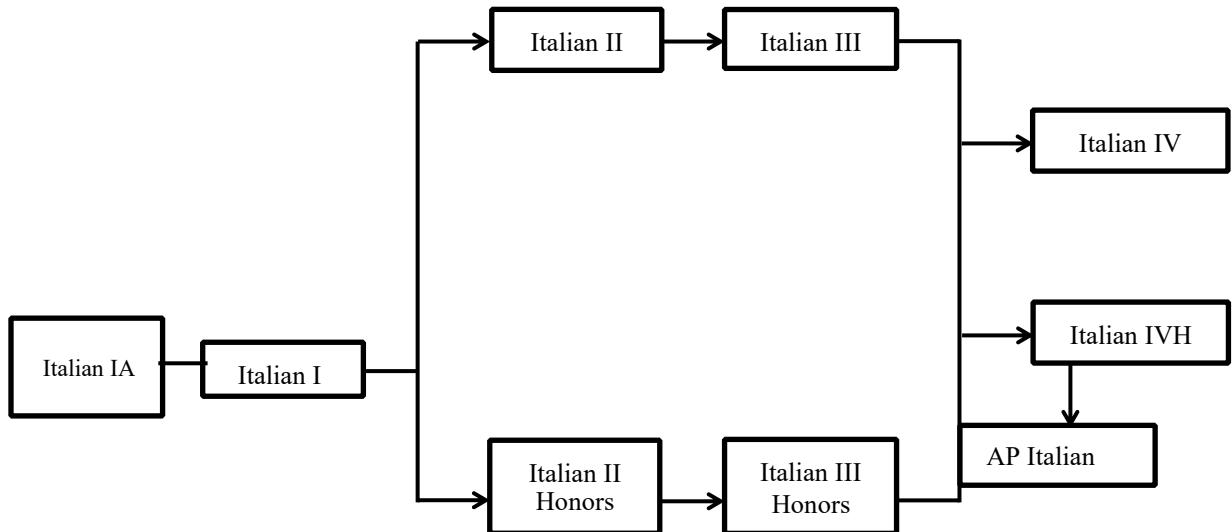
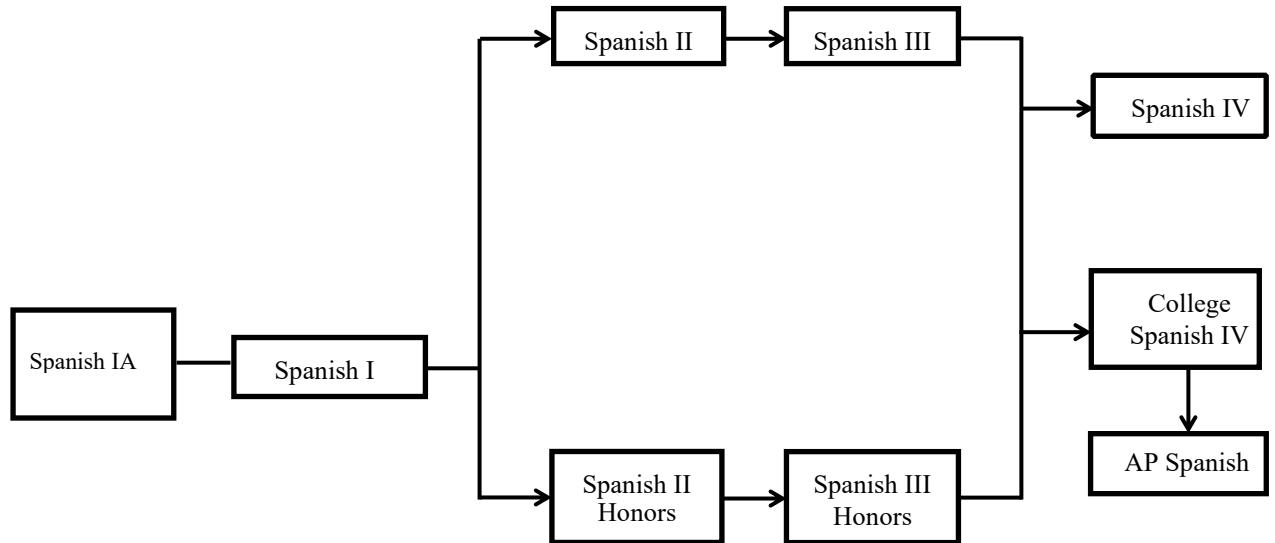
4545 - AP Spanish Language and Culture**Grade 12****1 Credit**

The AP Spanish Language and Culture course takes a comprehensive approach to language proficiency and focuses on comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. The course engages students in an exploration of culture in both contemporary and historical contexts. A qualifying grade on the Advanced Placement Examination may earn college credit. An Advanced Placement course may require substantial summer reading and preparation work. Completion of summer assignments is essential to classroom success. Students are required to sit for the College Board AP Examination (fee required). *Prerequisites: Successful completion of College Spanish IV with a final average of 90 or higher. Course will only run if there is sufficient enrollment.*

6301 -Introduction to Latin**Grades 10-12****½ Credit**

This course offers a survey curriculum designed to teach students basic Latin grammar and essential vocabulary while introducing them to the rich collection of Latin catholic texts. In this course, students will learn grammar and vocabulary in an engaging and interactive setting. They will be immersed in the linguistic, literary, cultural and theological heritage of the Catholic Western Tradition. Students will also encounter Latin prayers, chants, and prose written by great masters of the Latin language. In addition to mastering the fundamentals of Latin, students will develop an understanding of etymology and vocabulary, which will improve their command of the English language.

World Language Typical Sequences



NOTE: Students can move into or out of honors courses based upon course prerequisites.

Scheduling Worksheet 2026-2027

Student Name: _____

<i>Course Name</i>	
1	English: _____
2	Social Studies: _____
3	Mathematics: _____
4	World Language: _____
5	LUNCH
6	Science: _____
7	Lab/PE or Dance: _____
8	Theology: _____
9	Electives: _____