

Saint Dominic
High School



Course Description Booklet
2022-2023

**ST. DOMINIC HIGH SCHOOL
MISSION STATEMENT**

Let it be known that the mission of St. Dominic 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 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. Msgr. Thomas Coogan

CHAPLAIN

Rev. Matthew Browne

ADMINISTRATION

Dr. Ronald J. Martorelli	Principal
Mrs. Nicole Milkowski	Assistant Principal Academics and Guidance
Mr. John Piropato	Assistant Principal Curriculum, Instruction and Technology
Mrs. AnnMarie LoManto	Dean of Student Life
Mr. Hank Hardy	Dean of Admissions and Student Activities
Mr. Matthew O'Brien	Athletic Director

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 moving onto 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.

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 schedule 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. In May, after the registration process has been completed, students will receive a final list of the courses into 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.
- Carefully review course selections with their counselor.

Updated August 2021

New York State Diploma Requirements Applicable to All Students Enrolled in Grades 9-12

CREDIT REQUIREMENTS

(Apply to all diploma types: local, Regents, Regents with advanced designation)

	MINIMUM NUMBER OF CREDITS
English	4
Social Studies <i>Distributed as follows:</i> <i>U.S. History (1)</i> <i>Global History and Geography (2)</i> <i>Participation in Government (½)</i> <i>Economics (½)</i>	4
Science <i>Distributed as follows:</i> <i>Life Science (1)</i> <i>Physical Science (1)</i> <i>Life Science or Physical Science (1)</i>	3
Mathematics	3
Languages Other than English (LOTE)	1(**)
Visual Art, Music, Dance, and/or Theater	1
Physical Education <i>(participation each semester)</i>	2
Health	0.5
Electives	3.5
Total	22

(**)Students with a disability may be excused from the requirement for 1 unit of credit in LOTE if so indicated on their IEP, but they must still earn 22 units of credit to graduate.

1.) Pathways

A student must either:

- pass an additional Regents examination in a different course (mathematics, science, or social studies); or
- pass an additional Department approved alternative in a different course (English, mathematics, science, or social studies); or
- pass a Department approved pathway assessment (Arts, CDOS, World Languages); or
- successfully complete a Department approved CTE program, including the associated 3-part technical assessment; or
- successfully complete all the requirements for earning the CDOS Commencement Credential.

Reference Multiple Pathways and Department Approved Alternative Examinations.

2.) Appeals

Appeals are subject to local district approval. Reference Appeals, Safety Nets, and Superintendent Determination.

3.) Special Endorsements

Honors: A student earns a computed average of at least 90 on the Regents examinations applicable to either a Regents diploma or a Regents diploma with advanced designation. No more than 2 Department approved alternatives can be substituted for Regents examinations. The locally developed Checkpoint B examination in World Languages is not included in the calculation.

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.

Technical Endorsement: A student meets the requirements for either a local diploma, a Regents diploma or a Regents diploma with advanced designation AND successfully completes a Department approved CTE program including the 3-part technical assessment.

Reference the Endorsements and Seals webpage or NYS Diploma/Credential Requirements for additional information pertaining to awarding special endorsements to students with exam exemptions due to COVID-19.

4.) World Languages Exemption

Students with a disability may be excused from the required units of credit in World Languages if so indicated on their IEP, but they must still earn 22 units of credit to graduate. Such student who seeks a Regents diploma with advanced designation does NOT have to complete the 5-unit sequence in the Arts or CTE in lieu of the sequence in World Languages in order to meet the assessment requirements for the advanced diploma.

5.) Superintendent Determination of a Local Diploma

Students with a disability who are unable to attain a local diploma through the various safety net provisions may be eligible for a Superintendent Determination of a local diploma under certain conditions. Reference Appeals, Safety Nets, and Superintendent Determination.

6.) Exemptions due to the COVID-19 Public Health Emergency

Students granted an exemption from any examination due to COVID-19 are not required to pass such specific examination to meet the assessment requirements for any diploma type. Reference the following FAQs: June/August 2020, January 2021, June/August 2021, and January 2022 (USHG only).

7.) Seal of Civic Readiness

A select number of NYS schools will pilot the Seal of Civic Readiness during the 2021-22 school year. Reference the Civic Readiness Initiative.

8.) Family Resources

Three flyers, a tracking tool, and presentation materials are available to support students' and families' understanding of the NYS Diploma Requirements. Reference Understanding NYS Diploma Requirements ~ Family Resources. Flyers and tracking tool are translated into eleven different languages.

Updated August 2021

ASSESSMENT REQUIREMENTS

REGENTS EXAM or passing score on a Department approved alternative	Regents Diploma for All Students		Regents Diploma via Appeal for All Students		Local Diploma via Appeal for All Students	
	# of Exams	Passing Score	# of Exams	Passing Score	# of Exams	Passing Score
English Language Arts (ELA)	1	65	1	1 Regents exam with a score of 60-64 for which an appeal has been granted by the district and all remaining Regents exams with a score of 65 or above	1	2 Regents exams with a score of 60-64 for which appeals have been granted by the district and all remaining Regents exams with a score of 65 or above
Math	1	65	1			
Science	1	65	1			
Social Studies	1	65	1			
Pathway (See note 1 on reverse side)	1 or CDOS	65 if Regents Exam	1 or CDOS		1 or CDOS	
Compensatory Safety Net	<i>Non-Applicable</i>		<i>Non-Applicable</i>		<i>Non-Applicable</i>	

REGENTS EXAM or passing score on a Department approved alternative	Local Diploma for Students with a Disability		Local Diploma via Appeal for English Language Learners	
	# of Exams	Passing Score	# of Exams	Passing Score
English Language Arts (ELA)	1	55*^	1	Either the ELA Regents exam with a score of 55-59 for which an appeal has been granted by the district, and all remaining Regents exams with a score of 65 or above, <u>OR</u> 1 Regents exam with a score of 60-64 and the ELA Regents with a score of 55-59 for which appeals have been granted for both by the district, and the remaining Regents exams with a score of 65 or above +
Math	1	55*^	1	
Science	1	55*^	1	
Social Studies	1	55*^	1	
Pathway (See note 1 on reverse side)	1 or CDOS	55*^ if Regents Exam	1 or CDOS	
Compensatory Safety Net	Scores of 45-54 on any required Regents exam (except ELA and Mathematics) can be compensated by a score of 65 or above on another required Regents exam including ELA and Mathematics.		<i>Non-Applicable</i>	

REGENTS DIPLOMA with ADVANCED DESIGNATION

Depending on the pathway a student chooses, the Regents diploma with advanced designation assessment requirements may be met in multiple ways. Students seeking the Regents diploma with Advanced Designation may choose from the following assessment options:

Traditional Combination	ELA, Global History and Geography, US History and Government, 3 mathematics, 2 science (1 life science, 1 physical science) = 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B LOTE Exam OR a 5-unit sequence in the arts or CTE.
Pathway Combination (other than STEM)	ELA, 1 social studies, 3 math, 2 science (1 life science, 1 physical science), 1 Pathway (other than science or math) or complete the requirements for the CDOS Commencement Credential = 7 (+CDOS) or 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B LOTE Exam OR a 5-unit sequence in the arts or CTE.
STEM (Mathematics) Pathway Combination	ELA, 1 social studies, 4 math [‡] , 2 science (1 life science, 1 physical science) = 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B Exam or a 5-unit sequence in the arts or CTE.
STEM (Science) Pathway Combination	ELA, 1 social studies, 3 math, 3 science (at least 1 life science, at least 1 physical science) = 8 assessments. In addition, the student must choose either 2 additional credits in LOTE and the locally developed Checkpoint B LOTE Exam OR a 5-unit sequence in the arts or CTE.

* A student with a disability may appeal scores between 52 and 54 on up to two Regents examinations in any discipline and graduate with the local diploma. Reference New York State Diploma/Credential Requirements: Local diploma for Students with Disabilities (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diploma-and-credentials-summary-requirements.pdf>).

^In the event a student with a disability is unable to attain a passing score on any Regents examination, the student may be eligible for a Superintendent Determination of a local diploma. Reference Appeals, Safety Nets, and Superintendent Determination (<http://www.nysed.gov/curriculum-instruction/appeals-safety-nets-and-superintendent-determination>).

†English Language Learners seeking an appeal for a score of 55-59 on the ELA Regents Exam are only eligible if they entered the United States in grade 9 or after and were classified as an English Language Learner when they took the test the second time. Reference New York State Diploma/Credential Requirements: Local diploma for English Language Learners (<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diploma-and-credentials-summary-requirements.pdf>).

‡The 4th mathematics examination can be selected from the list of Department Approved Alternative Examinations (<http://www.p12.nysed.gov/assessment/hsgen/archive/list.pdf>).

SAINT DOMINIC HIGH SCHOOL REQUIREMENTS FOR GRADUATION

Required Units of Credit		Minimum Regents Exam Requirements	
Courses	St. Dominic Requirements	Regents Diploma ^a	Advanced Regents Diploma ^{b, c}
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 (Living Environment and one physical science)
Health	½ credit	N/A	N/A
Art/Music	1 credit	N/A	N/A
World Languages	3 credits	N/A	FLACS Exam
Physical Education/ Dance	2 credits	N/A	N/A

Notes:

^a
Regents Diploma with Honors – Awarded to students who achieve an average of 90% or higher on a minimum of five (5) required Regents exams.

^b
Advanced Regents Diploma with Honors – Awarded to students who achieve an average of 90% on a minimum of eight (8) Regents exams.

^c
Advanced Regents Diploma with Mastery in Math and/or Science - Awarded to students who achieve an 85 or higher on 3 Math and/or 3 Science Regents exams.

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, with the exception of Seniors, are required to take a full schedule of courses each 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 A. P. 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 Advanced Placement 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 Advanced Placement examinations. College courses also carry a fee for the college credits that accompany those 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

Students with special interests may have the opportunity to take courses online through the Virtual High School Global Consortium (<http://www.govhs.org/>). This 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 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 program.

NCAA REQUIREMENTS

Below are the requirements for college-bound student athletes enrolling full time at an NCAA Division 1 college or university on or after August 1, 2016:

- 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).
- Division 1 uses a sliding scale to match SAT/ACT test scores and your core course GPA. This sliding scale can be found under the Resources section 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 and World Language

Sample Four-Year 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 STEM	Theology 10	Theology 11	Theology 12
9	Fine Arts	Health Elective	Electives	Electives

ENGLISH

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 *Elements of Language* book 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 the 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 *Elements of Language* book 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 *Elements of Language* book 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

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 six-page research paper is required using MLA citation. Grammar, usage, and mechanics will be taught formally through lessons and practice drawn from the *Elements of Language* book 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, the SATs, and the ACTs.

**3134 - Advanced Placement
Language and Composition**

Grade 11

1 Credit

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. *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

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
Literature and Composition**

Grade 12

1 Credit

Advanced Placement English is a college-level English course for the highly motivated student. The course adheres to outlines set forth in the College Entrance Board's course description booklet. Analysis and synthesis, in both reading and writing, about a variety of subjects 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, and there is a fee, determined by the College Board, for that examination. *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.*

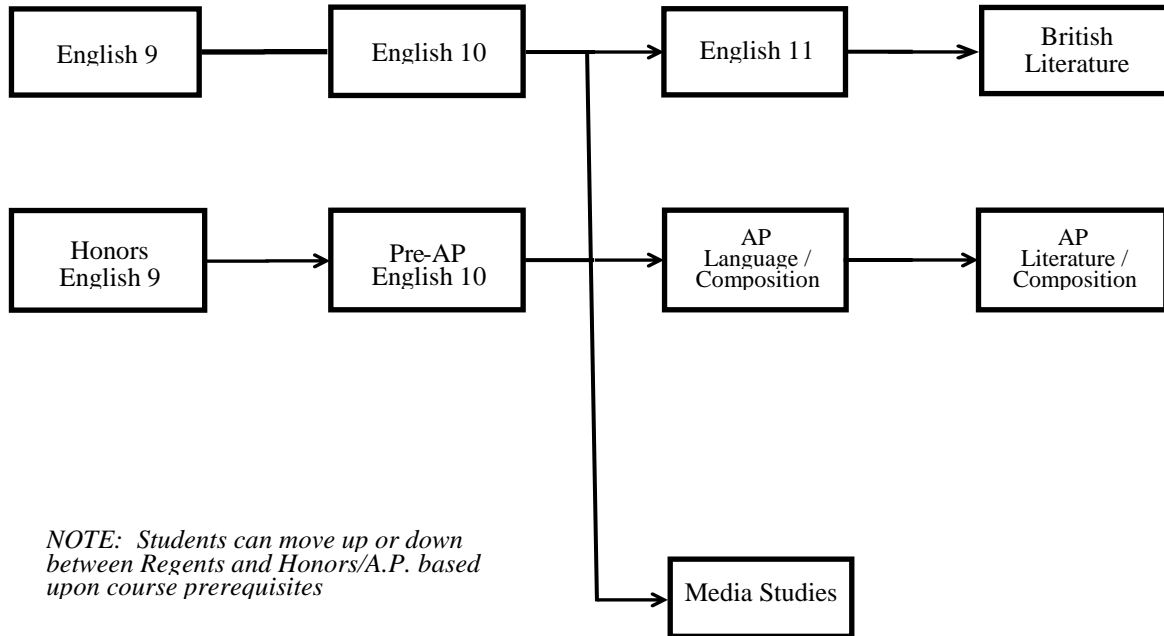
3199 - Media Studies

Grades 11 & 12

1 Credit

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.

English Typical Sequences



FINE ARTS & MUSIC

1214 – Studio in 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, including charcoal, pastels, acrylic paint, oil pastels, watercolor and mixed media. The curriculum emphasizes 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 in Art with a final average of 88 or above and departmental approval.*

1262 – Sculpture

Grades 10-12

½ Credit

Students will be provided with a basic sculpture experience extended from his or her knowledge of design and drawing to build three-dimensional visual thinking skills. Students will learn about and use tools to express themselves in a variety of media. Exposure to historical and contemporary 3D practices and examples lead to experimentation in sculpture for students. Students will also be introduced to hand building techniques of ceramics including pinch, coil, slab, and throwing using a potter's wheel. Enrollment is limited. *Prerequisites: Completion of Studio in Art with a final average of 85 or above.*

1255 –Fashion

Grades 10-12

½ Credit

Students will be introduced to the foundations of fashion design. They will study examples of fashion and applying the elements of design used from many different time periods. Putting to use their knowledge of fashion trends from different eras, students will use inspiration from the past to create a contemporary design of their own. Students will learn about terminology, patterns, textiles and accessories in the fashion world. Projects will also include assignments based on current clientele, trends and themes in fashion. *Prerequisites: Completion of Studio in Art with a final average of 85 or above.*

1275- Advanced Art

Grades 10-12

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. Advanced Art is a studio course in which the student has more opportunity to develop a higher level of personal expression, visual aesthetic judgment, and technical skill in visual art. Students begin to explore aesthetic preferences in the growth of an artistic style. Studio activities center on development of technical skills in a wide variety of traditional drawing and painting media as well as new media and students will have the opportunity to focus on a chosen subject or medium. Students refine and apply skills and ideas they develop throughout the course to produce art, develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection. The course framework integrates these skills to support student learning. **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. *Prerequisites: Completion of Studio in Art with a final average of 80 or above. Completion of at least one of the following Ceramics/Fashion/Drawing and Painting/Digital Media Art with a final average of 90 or above and departmental approval.*

1271 – Digital Media Art**Grades 10-12****½ Credit**

In this class, students will learn how to combine technology and art in a creative way. As a secondary level course, students will begin with tackling new art media from the start and use industry standard digital editing software to create two-dimensional works. Students will learn and apply more challenging techniques as the year progresses. This course will help students think creatively, problem solve and tackle artistic challenges, while learning lifelong skills such as persistence, reflection, observation, and self-critique. Exploration of a wide range of materials and techniques is emphasized in this year-long course. Students will combine digital imaging, drawing, painting, photography, & collage with a wide range of processes such as relief printing, mono printing, marbling, stenciling, in addition to image transfer on paper, wood, canvas or metal. This class is designed for those wishing to experiment with digital art and transitional and non-traditional art materials. Demonstrations, presentations and samples will provide inspiration with each class session. Group and individual critiques will be given throughout the course to develop vocabulary and analyze and interpret works of others. The main emphasis of this course is to encourage creativity, experimentation, and risk-taking art. *Prerequisites: Completion of Studio in Art with a final average of 80 or above.*

1280 - Art Portfolio**Grade 12****½ Credit**

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. A wide range of materials and processes will be further explored. Students will be continually 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. Students will work independently under the direction and consultation of an art teacher. The course is intended for advanced students creating a personal portfolio and or students preparing artwork for college review committees. *Prerequisites: Completion of Studio in Art with a final average of 80 or above. Completion of at least one of the following Ceramics/Fashion/Drawing and Painting/Digital Media Art and Honors Art with a final average of 90 or above and departmental approval.*

1520 – Music Appreciation**Grade 9****½ Credit**

An introductory course in music geared to all levels of music interest and ability. Students will study music history, theory, composition, as well as begin to hone their music listening skills. Singing and performing on simple instruments will also be explored. Through these varied activities, students will develop a better appreciation for music and how it fits in to their everyday life.

1600 – Concert Choir**Grades 9-12****1 Credit**

Concert Choir is a performance group in which proper vocal technique and musicianship skills are taught through the rehearsal and performance of challenging choral compositions. Students will have the opportunity to perform a varied repertoire of music, including a cappella music, multicultural music, selections from major classical works, and contemporary selections as well. Students will also learn about healthy vocal production, sight-singing, and other basic elements of musicianship and will be expected to apply it in rehearsals. Students are asked to make a serious commitment to the group, which includes memorizing music, attending all rehearsals, performing at school concerts, assemblies and liturgies, **attending out-of-school activities**, etc. A commitment paper is to be signed by both student and a parent or guardian, and returned to the director. *Prerequisite: Successful audition for new students and Department approval.*

1560 – Concert Band**Grades 9-12****1 Credit**

Concert Band is a performance group that features brass, wind and percussion instruments. The music is selected from some of the most challenging standard works from the symphonic band repertoire, as well as exciting contemporary music. Coupled with teaching the basic elements of musicianship, Concert Band serves to give students performing opportunities while developing individual music skills. *Prerequisite: Successful audition for new students.*

1570 – Orchestra**Grades 9-12****1 Credit**

Orchestra is a performance group that features string instruments (violin, viola, cello and string bass). The music is selected from standard works from the orchestral repertoire, as well as exciting contemporary music. Coupled with teaching the basic elements of musicianship, Orchestra serves to give students performing opportunities while developing individual music skills. *Prerequisite: Successful audition for new students.*

6152—Introduction to Dance**Grades 9-12****½ Credit**

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 Advanced Dance**Grades 9-12****½ Credit**

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. 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. Culminating in an end of the year showcase, where the students will perform what they have learned in each discipline. 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.

MATHEMATICS

5208 – Pre-Algebra

Grade 9

1 Credit

The curriculum for this course includes 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-83+ or TI-84+ Graphic Calculator.

5202 – Algebra 1 R

Grade 9

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.

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. *Prerequisites: Successful completion of Algebra 1. Enrollment for freshman will be determined by placement examination score.*

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. *Prerequisites: Successful completion of Algebra (5202) with an overall average of 85% in Algebra 1. Enrollment for freshman will be determined by placement examination score. A passing grade on the Algebra 1 Regents Examination is also required.*

5227 – Algebra 2 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 2 Regents Examination in June. Requirement: TI-84 Graphing calculator. *Prerequisites: Successful completion of Geometry.*

Note: This course will require summer preparation work.

5228 – Algebra 2 H

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 2 Regents Examination in June. Requirement: TI-84 Graphing calculator. *Prerequisites: Successful completion of Honors Geometry with an overall average of 85% or Geometry with an overall average of 88% AND successful completion of Algebra 1 with an overall average of 85%. A passing grade on both the Algebra 1 and Geometry Regents Examinations is also required.* **Note: This course will require summer preparation work.**

5140 – Pre-Calculus**Grades 11 & 12****1 Credit**

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: (TI83+ or TI-84) Graphing calculator. *Prerequisites: Successful completion of Honors Algebra 2 or an overall average of 80% or higher in Algebra 2.*

5142 – Pre-Calculus H**Grades 11 & 12****1 Credit**

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 2 with an overall average of 88% or Algebra 2 with an overall average of 92%. A passing grade on the Algebra 2 Regents Examination is required.*

Note: This course will require summer preparation work.

5144 – Advanced Placement Calculus AB**Grade 12****1 Credit**

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 elect to pay for 6 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 90% or higher and departmental approval.*

Note: This course will require substantial summer reading and preparation work.

5216 - Advanced Placement Statistics**Grades 11 & 12****1 Credit**

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. Students will also demonstrate proficient use of appropriate statistical methods in a research project they will design and implement. All students will take the A.P. Statistics examination in May (for which there is a nominal fee required). Students may elect to pay for college credits in conjunction with this course. Requirement: TI-84 Graphing calculator. *Prerequisite: Successful completion of Algebra 2 with an overall average of 90% or higher or successful completion of Pre-Calculus with an overall average of 85% or higher and department approval. Anyone not meeting the prerequisite who wishes to take this AP course will be required to pass a qualifying exam.*

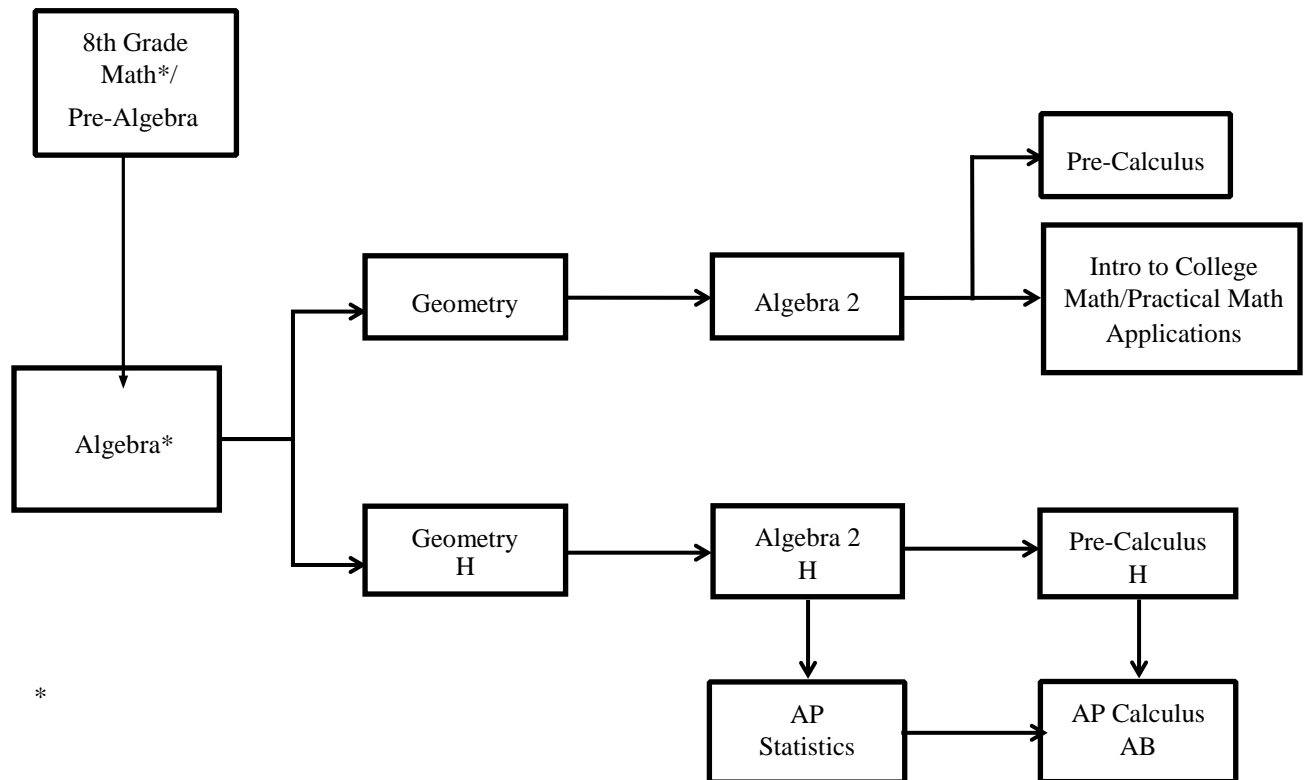
Note: This course will require substantial summer reading and preparation work.

5232 –Practical Math Applications**Grade 12****1 Credit**

The 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 Geometry during junior year may take Practical Math Applications as their primary Math course during senior year. Students who have completed Algebra 2 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.

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

6150 – Physical Education

Grades 9–12

½ 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 (Team Building)
Fitness Unit I
Fitness Testing
Meditation

Quarter 2:

Hands-only CPR/AED
Basketball
Volleyball

Quarter 3:

Soccer
Football
Speedball
Yoga

Quarter 4:

Badminton/Tennis
Ultimate Frisbee
Outdoor Games

6152—Introduction to Dance

Grades 9-12

½ Credit

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6154—Intermediate Advanced Dance

Grades 9-12

½ Credit

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. 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. Culminating in an end of the year showcase, where the students will perform what they have learned in each discipline. 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.

6331 – Health

Grade 10

½ Credit

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 nutrition, eating disorders, heart disease, cancer, sexually transmitted diseases, and drug and alcohol abuse. Lecture topics are reinforced through audio-visual presentations. Class participation is strongly encouraged.

SCIENCE

5512 – Earth Science R

Grades 9 & 10

1 Credit

This course is designed to present the Physical Setting/Earth Science curriculum set forth by New York State. Topics covered in this course include measuring the earth, astronomy, energy, weather, climate, weathering and erosion, deposition, rocks and minerals, earthquakes, geologic history and landscape development. During the course of the year, students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: minimum of 1200 laboratory minutes, at least one formal lab write up, and the Earth Science Regents examination in June.

5920 – Living Environment (Biology) R

Grades 9 & 10

1 Credit

This course is designed to present the Living Environment curriculum set forth by New York State. The major topics of biology are discussed, including ecology, evolution, genetics, reproduction, and the structure and function of plant and animal cells. During the course of the year, students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: minimum of 1200 laboratory minutes, at least one formal lab write up, and the Living Environment Regents examination in June.

5630 – 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 Living Environment and Earth Science.*

5632 – Chemistry R

Grades 10 & 11

1 Credit

This course is designed to present the Physical Setting/Chemistry curriculum set forth by New York State. Topics covered in this course include: chemical bonding, chemical reactions, math principles of chemistry, oxidation and reduction, nuclear chemistry, organic chemistry, kinetics and equilibrium. During the course of the year, students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: minimum of 1200 laboratory minutes, at least one formal laboratory write up, and the Chemistry Regents examination in June. *Prerequisites: Sophomores – final average of 85 or above in Living Environment and Earth Science and 80 or above in Algebra; Juniors' – Successful completion of Living Environment or Earth Science, and successful completion of Algebra.*

5543 – Physics R

Grades 11 & 12

1 Credit

This course is designed to present the Physical Setting/Physics curriculum set forth by New York State. 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. During the year, students will perform hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: A minimum of 1200 laboratory minutes, at least one formal laboratory write up, and the Physics Regents examination in June (Note: the Regents examination is required for Juniors' only.) *Prerequisites: final average of 80 or above in Chemistry (5632) and a final average of 80 or above in Geometry (5212/4).*

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 and Geometry. Students must have a final average of 90 or above in Algebra II or be enrolled concurrently in this course or Pre-Calculus to enroll in AP Physics. 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.*

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

Students must be prepared to commit to a rigorous college level course. 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; 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). *Summer assignment required; failure to complete the summer assignment on time may result in the removal from class in September. A summer prep course is required for students who have not taken chemistry. 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.*

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

Students must be prepared to commit to a rigorous college level course. Topics to be investigated include: the concept of diversity and unity of life; the chemistry of living things; maintenance in living organisms from protozoa to man; reproduction and development; genetics from Mendel to the present; evidence and theories of evolution; and plants and animals in their environment. There will be forty-five hours of laboratory work to 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. A summer prep course is required for students who have not taken biology. Prerequisites: A final average of 90 or above in Honors Chemistry or Regents Chemistry. Anyone not meeting the prerequisite who wishes to take an AP course will be required to take a qualifying exam. Students who have not taken Living Environment will be required to take the Regents exam in June.*

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 Regents Earth Science and Regents Living Environment. 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.*

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 & Forensics or Sea and Space. A senior taking another science may request to take either of these as an elective if his/her schedule permits

5588 – Anatomy & 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. Students will be able to talk about topics that affect our everyday life and stay current on events pertaining to the medical field. 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. 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.

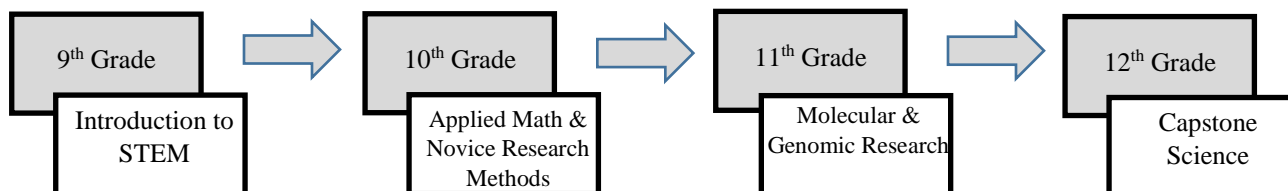
5598 – Sea and Space**Grades 11 & 12****1 Credit**

Sea and Space is a full year, lab-based science course encompassing both Astronomy and Oceanography. Students will study Astronomy dating back to ancient times through the most current breakthroughs and technologies. This course surveys the life cycle of stars, galaxies, alien life on ocean worlds, dark matter, surprises within our own solar system, and the universe's larger structures as we learn that space and time are not necessarily what they seem. Students will then reenter Earth's boundaries to examine the physical, chemical, geological, and biological aspects of how the oceans function and maintain the homeostasis of life on Earth, considering that humans know less about the depths of the ocean than the surface of the moon. Ocean topics include water chemistry, waves and currents, hurricane and wind patterns, marine biology, and reading bathymetric maps. *Students are required to have a graphing calculator for this course.*

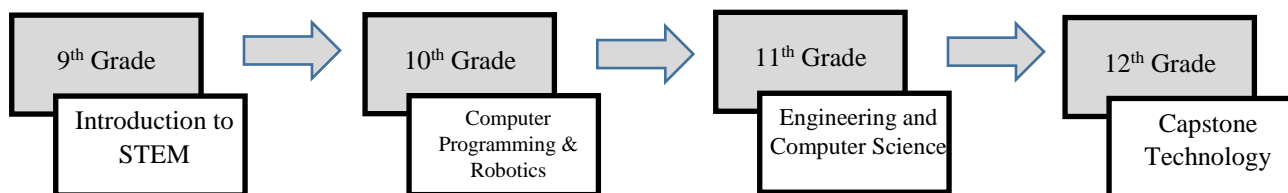
STEM

The STEM program at St. Dominic High School starts with an Introduction to STEM, a required course for Grade 9. At the end of Grade 9, students may select to continue in the STEM program, on one of two paths:

STEM Science Path



STEM Technology Path



Grade 9

5962 – Introduction to STEM

½ Credit

This course utilizes the standards developed by the Computer Science Teachers Association by providing an introduction to the technology available in a powerful learning environment. Students will work individually and collaboratively to explore concepts such as computing systems, networks & the Internet, data & analysis, algorithms & programming, and the impact of computing. Beyond the basics of computer science, students will also explore science and the world of engineering through collaborative hands-on projects.

Grade 10

5972 - Applied Math and Novice Research Methods (Science)

1 Credit

This course is designed to expose students to the math, research methods, and writing tools they will need to become successful science researchers, with an emphasis on the basic statistics used in research. Students will use a variety of data analysis software programs to manipulate experimental data such as Excel, Google Sheets, and SPSS. Since, a major part of science research is proposal writing, students will spend the part of the year learning how to write scientifically and construct advanced research proposals using APA format. This will prepare them for research at Cold Spring Harbor Laboratory in junior year and build a foundation for future research pursuits. Requirements (TI84+) Graphing calculator.

5973 - Computer Programming and Robotics (Tech)

1 Credit

Students in this course will learn the basics of computer programming progressing from block-based programming in Scratch and Small Basic to more advanced programming languages such as Python. Students will also apply their knowledge of coding to robotics and electronics using robotics kits and microcontrollers.

Grade 11**5950 – Molecular & Genomic Research (Science)****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 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 and carry out an independent research project. *Prerequisites: Research proposal must be submitted in the Spring of Applied Math and Novice Research Methods (Science) or departmental approval and equivalent summer assignment must be completed.*

5952 - Engineering and Computer Science (Tech)**1 Credit**

This course is a project based course with a focus in engineering in which students build on their knowledge of programming and learn Computer Aided Design (CAD) for use in designing models in diverse uses such as architecture, robotics, and design. Projects will include working with RaspberryPi processors and devices as well as designing structures using these applications. Students are encouraged to form teams to compete in engineering and robotic contests, and to develop exploratory research projects in various fields throughout the year. *Prerequisites: Computer Programming and Robotics or departmental approval.*

Grade 12**5981 - Capstone Science Research Project (Science)****1 Credit****5982 - Capstone Technology Research Project (Tech)**

In these final courses of the four-year STEM program, students develop and propose an in depth project that is the culmination of their STEM studies and interests, some of which may include creating cell phone apps or designing a real world solution to a scientific problem. The project is a combination of research and hands-on activities. Each project must be submitted to and approved by the STEM Committee, which, upon approval, provides a faculty project facilitator for the independent study work. The STEM Committee also works to identify mentors from colleges, universities, and private industry to work with the student. *Prerequisites: Molecular & Genomic Research (Science) or Engineering and Computer Science (Tech) or departmental approval.*

Typical Science Sequences

8th	9th	10th	11th	12th
General Science (Non-Regents)	Earth Science	Living Environment	Chemistry OR Elective Science OR AP Science	Physics OR Elective Science OR AP Science
8th	9th	10th	11th	12th
Earth Science (Regents)	Living Environment	Chemistry	Physics OR Elective Science OR AP Science	Same options as Grade 11 (less the science course already taken)
		AP Environmental Science	Physics OR Chemistry OR Elective Science OR AP Science	Same options as Grade 11 (less the science course already taken)
8th	9th	10th	11th	12th
Living Environment (Regents)	Earth Science	Chemistry	Physics OR Elective Science OR AP Science	Same options as Grade 11 (less the science course already taken)
		AP Environmental Science	Physics OR Chemistry OR Elective Science OR AP Science	Same options as Grade 11 (less the science course already taken)
	Chemistry <i>(requires a qualifying exam taken spring of 8th grade)</i>	Physics OR Elective Science OR AP Environmental Science	Same options as Grade 10 (less the science course already taken)	Same options as Grade 11 (less the science course already taken)

Regents Courses	Elective Courses	AP Sciences
<ul style="list-style-type: none"> • Earth Science • Living Environment • Chemistry • Physics 	<ul style="list-style-type: none"> • Chemistry (10-11) • Anatomy and Forensics (11-12) • Sea and Space (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.

SOCIAL STUDIES

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.

3416 – Global History & Geography 9 H

Grade 9

1 Credit

This course is the first year of a two-year sequence in World History. Global History & Geography 9 H is based on the following two important premises: the first is the expectation that all students can perform well at rigorous academic levels and the second important premise of Honors is the belief that we can prepare every student for higher intellectual engagement by starting the development of skills and acquisition of knowledge as early as possible. This course is for the highly qualified, academically motivated student that serves as a springboard into the AP World History course. *Note: This class includes a summer assignment.*

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.

3424 – Advanced Placement World History

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. *Pre-requisites: A final average of 88% or higher in Pre-AP World History; 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

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.

3434 – Advanced Placement U. S. History

Grade 11

1 Credit

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**

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.

3444 – Advanced Placement Government & Politics**Grade 12****1 Credit**

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**

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. *This course will be offered every other school year and will next be offered for the 2022-2023 school year.*

3561 – Psychology**Grades 11 & 12****½ Credit**

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. *This course will be offered every other school year and will next be offered for the 2023-2024 school year.*

3544 – Sociology**Grades 11 & 12****½ Credit**

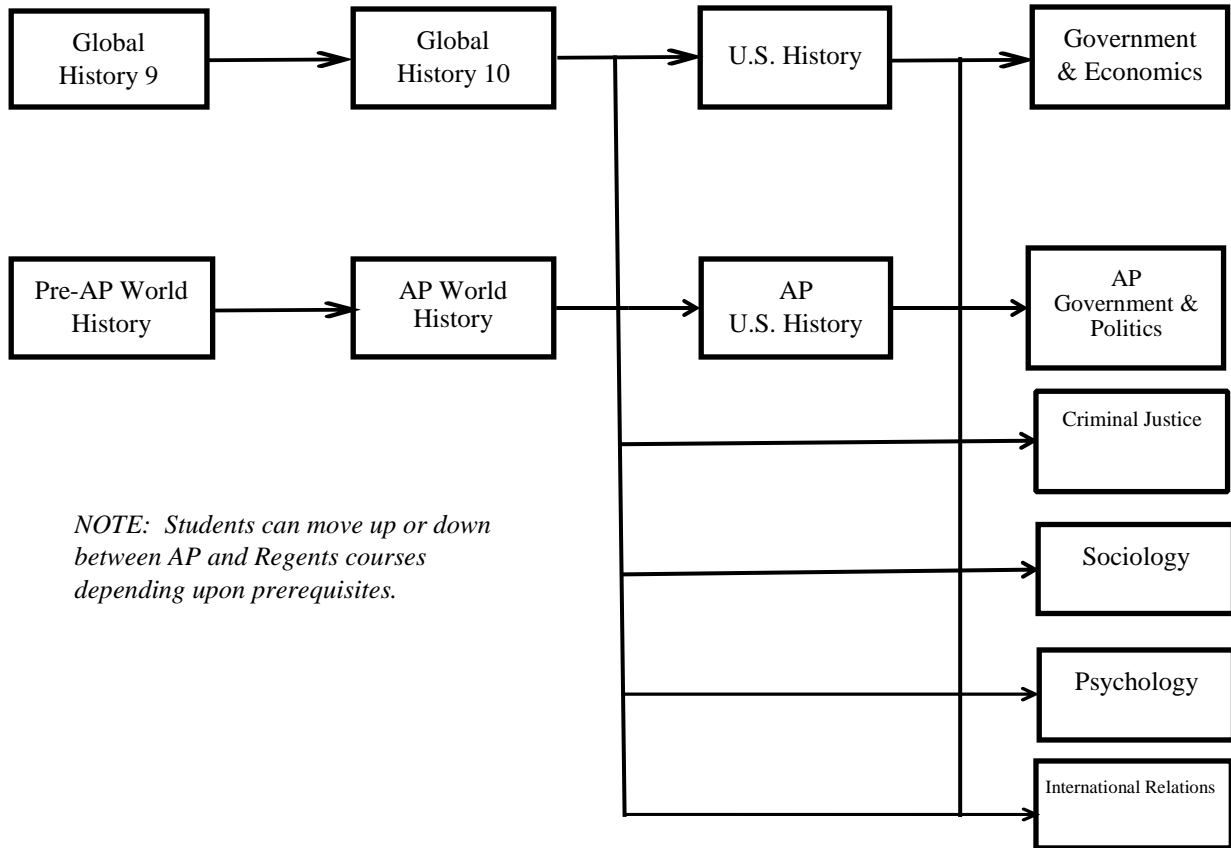
This course is designed as an analytical, skills-based introduction to sociology. Sociologists investigate the structure of groups, organizations and societies and how people interact within those contexts. Students will be encouraged to look at culture, groups, social structures, the power and influence 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. *This course will be offered every other school year and will next be offered for the 2022-2023 school year.*

3563 - International Relations**Grades 11 & 12****½ Credit**

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 2023-2024 school year.*

Students taking this class will be encouraged to join the Model UN Club that participates at the Hofstra University Conference each year.

Social Studies Typical Sequences



THEOLOGY

7114 – Theology 9: *Jesus Christ - His Mission and Ministry*

Grade 9

1 Credit

The goal of the freshman course is to examine the life and ministry of Jesus in order to assist students in growing in their relationship with Jesus Christ and his Church. An emphasis will be placed on revelation, prayer, and the sacraments. Our hope is that our freshmen will cultivate a deeper Eucharistic spirituality throughout this course as well.

7124 – Theology 10: *Sacred Scripture – A Catholic Study of God’s Word*

Grade 10

1 Credit

Our sophomores will be offered a survey course on Sacred Scripture. Through a study of the Bible, our students will delve deeply into the Old Testament and the New Testament. In particular, our hope is that they will be able to see the connection between Catholic theology and the scriptures. We also hope that our students will develop a profound understanding that it is God himself is speaking to them in Sacred Scripture.

7134 – Theology 11: *Your Life in Christ – Foundations in Catholic Morality*

Grade 11

1 Credit

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: *Fundamentals in Catholic Theology and Apologetics*

Grade 12

1 Credit

Designed for those preparing to advance to higher education in a college or university, the senior Fundamentals in Catholic Theology and Apologetics course seeks to build on the theological foundation our students have received in order to lead them to an encounter with Jesus Christ, the Church, and the Church’s Tradition in a beautiful and inspiring way. 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 burning love for Jesus Christ and his Church, whereby they may be bold, loving, and effective evangelizers in the world.

WORLD LANGUAGES

4512 – Spanish I **Grade 9** **1 Credit**
4611 – Italian I

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 **Grades 9 & 10** **1 Credit**
4612 – Italian II

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 I.*

4524 – Honors Spanish II **Grades 9 & 10** **1 Credit**
4613 – Honors Italian II

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 **Grades 10 & 11** **1 Credit**
4614 – Italian III

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 **Grades 10 & 11** **1 Credit**
4615 – Honors Italian III

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. Swill 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.*

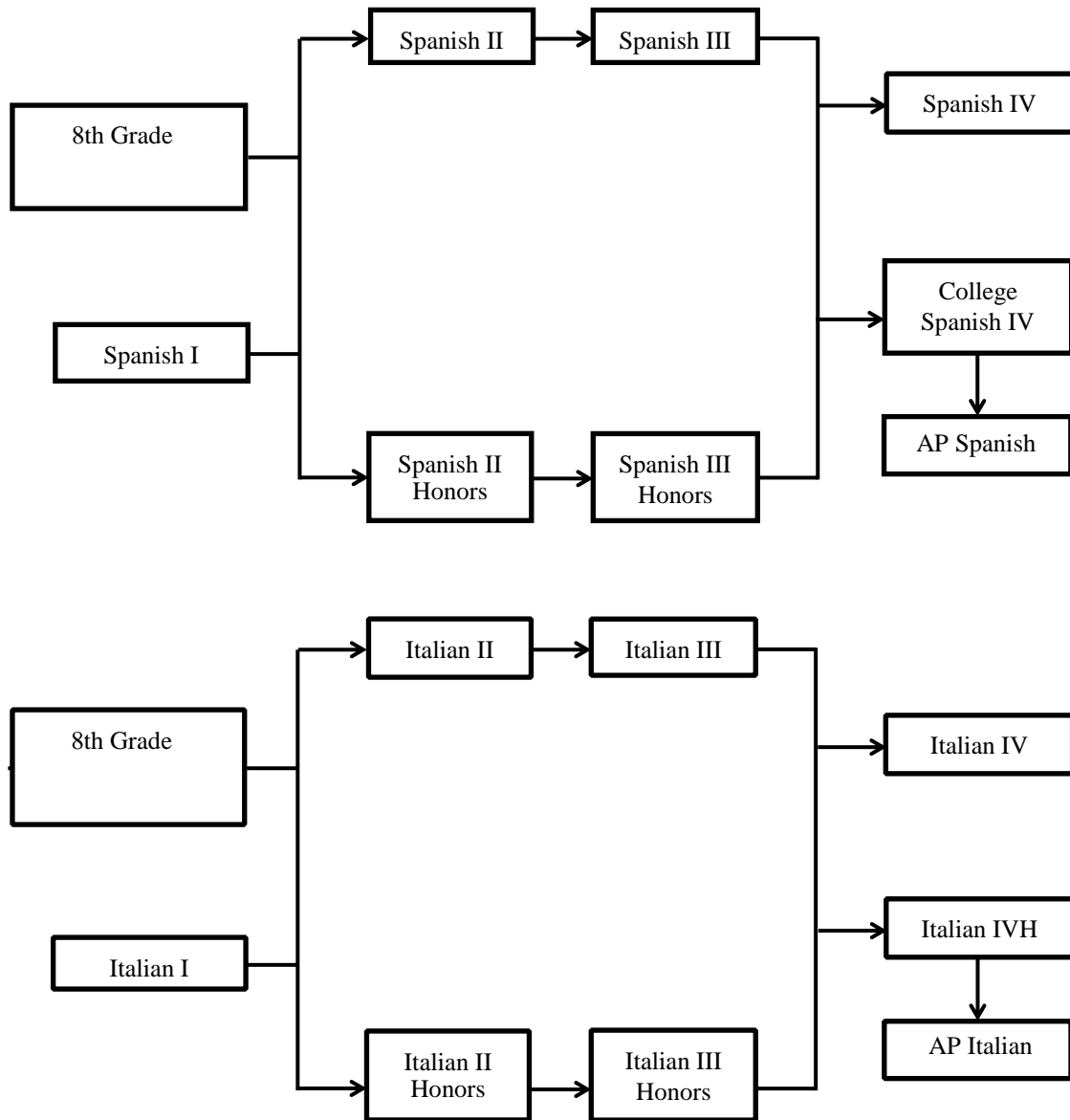
4645 - AP Italian Language and Culture**Grade 12****1 Credit**

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.*

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.*

World Languages Typical Sequences



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

Scheduling Worksheet 2022-2023

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: _____

