

St Dominic High School



Course Description Booklet

2009-2010

**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.

ADMINISTRATION

Mr. Robert Lowenberg..... Principal
Mr. Richard Garrett..... Vice Principal/Institutional Advancement
Mrs. Denise Smith Dean of Students
Mr. James Fordyce..... Assistant Principal
Mrs. Jacqueline Maurantonio..... Director of Guidance
Mrs. Norma Meystrik..... Guidance Counselor

CURRICULUM AND COURSE SELECTION

The requirements for a St. Dominic High School Diploma, 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 a college preparatory school, we recommend selecting courses with the intention of moving on to higher education keeping in mind expectations of the college of choice.

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 in the Spring and final placement the following Fall based on a number of factors including student's final grade in a course, changes in school/course enrollment, scheduling conflicts and availability of qualified instructors.

Courses may not be taken on a trial basis. Students should not request courses for which they do not qualify or which they do not intend to complete. Again careful consultation with faculty and counselors is strongly urged prior to registration. Student/Parent initiated transfers are not permitted after the date noted on the school calendar.

The school reserves the right to cancel or not offer courses listed herein based on insufficient enrollment, lack of a qualified instructor or financial considerations. Should a course not be offered students will be offered the opportunity to adjust their schedules.

Before 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 and diploma requirements.
- Have course selection sheet signed by a parent or guardian.
- Return the course selection sheet to the guidance office on or before the due date.

REQUIREMENTS FOR GRADUATION

Required Units of Credit		Minimum Regents Exam Requirements		
Courses	St. Dominic Requirements	Local Diploma ^a	Regents Diploma ^b	Advanced Regents Diploma ^c
Theology	4 credits	N/A	N/A	N/A
English	4 credits	55% - English	65% - English	65% - English
Social Studies	4 credits	55% - Global History 55% - U.S. History	65% - Global History 65% - U.S. History	65% - Global History 65% - U.S. History
Mathematics	3 credits	55% - Math A 55% One Regents (Class of 2011 and later)	65% - Math A 65% One Regents (Class of 2011 and later)	65% - Math A & Math B 65% - All 3 Math (Class of 2011 and later)
Science	3 credits	55% - Any Science	65% - Any Science	65% - 2 Sciences
Health	½ credit	N/A	N/A	N/A
Art/Music	1 credit	N/A	N/A	N/A
Foreign Language	3 credits	Not Required	Not Required	65% - Any Language
Physical Education	2 credits	N/A	N/A	N/A
Sequences/Electives	3 credits			
Total	27 ½ credits			

Notes:

^aIn effect for students graduating through 2008

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

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

Additional Notes Regarding Diploma Requirements:

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

Theology	English
Social Studies	Physical Education

All students are *strongly* encouraged and recommended to take four years of Mathematics, Science and Language.

Additionally, students are required to perform a minimum of twelve (12) hours of community service each year as a condition of graduation.

NORMAL COURSE SEQUENCES

CLASS OF 2013	
<i>Normal Sequence:</i>	<i>Alternatives (for those who qualify):</i>
Theology 9 English 9 Global History 9 General Science or Earth Science Algebra or Fundamentals of Algebra R1 French/Spanish/Italian I Music Studio Art Keyboarding I Physical Education	Living Environment Geometry French/Spanish/Italian II
<i>Electives:</i>	
Concert Band (Audition required) Concert Choir (Audition required)	

CLASS OF 2012	
<i>Normal Sequence:</i>	<i>Alternatives (for those who qualify):</i>
Theology 10 English 10 Global History 10 Living Environment Fundamentals of Algebra R2 or Geometry French/Spanish/Italian II Physical Education Health	Chemistry Algebra II/Trigonometry French/Spanish/Italian III
<i>Electives:</i>	
Graphic Arts Keyboarding/Word Processing Geography & Current Issues/The 1960's	Concert Band** Concert Choir**
<p><i>*See course prerequisites</i></p> <p><i>**Audition required for new candidates</i></p>	

CLASS OF 2011

Normal Sequence:

Theology 11
English 11
United States History
Chemistry
Algebra/Trigonometry or Geometry
French/Spanish/Italian III
Physical Education

Alternatives (for those who qualify):

A. P. United States History
Physics
Pre-Calculus

Electives:

Introduction to Ceramics
Advanced Ceramics*
Drawing & Painting*
Advanced Drawing & Painting*
Graphic Arts
Keyboarding/Word Processing
Accounting
Business Law
Sports & Entertainment Marketing
Geography & Current Issues/The 1960's
Journalism
Editorial Techniques I
French/Spanish/Italian IV*
Advanced Music Theory
Concert Band**
Concert Choir**

**See course prerequisites*

***Audition required for new candidates*

CLASS OF 2010

Normal Sequence:

Theology 12
 World Literature
 Economics & Government
 Physics
 Pre-Calculus or Advanced Algebra
 or Math B2
 Physical Education
 Health

Alternatives (for those who qualify):

College English (5146/5149)*
 A. P. English
 A. P. Economics & Government
 A. P. Biology
 A. P./College Calculus

** Students may choose any one of these options to fulfill their English requirement.*

Electives:

Introduction to Ceramics
 Advanced Ceramics*
 Drawing & Painting*
 Advanced Drawing & Painting*
 Graphic Arts
 Keyboarding/Word Processing
 Accounting
 Business Law
 Sports & Entertainment Marketing
 Geography & Current Issues/The 1960's
 Journalism
 Journalism II
 Editorial Techniques I
 Editorial Techniques II*
 French/Spanish/Italian IV*
 Criminal Justice/Psychology
 Advanced Music Theory
 Concert Band**
 Concert Choir**

**See course prerequisites*

***Audition required*

GRADE CONVERSION BY QUALITY POINTS

GRADE	TABLE II	TABLE III	TABLE IV
Below 70	0.00	0.00	0.00
70-71	2.00	2.50	3.00
72-74	2.20	2.70	3.20
75-76	2.40	2.90	3.40
77-79	2.60	3.10	3.60
80-81	2.80	3.30	3.80
82-84	3.00	3.50	4.00
85-86	3.20	3.70	4.20
87-89	3.40	3.90	4.40
90-92	3.60	4.10	4.60
93-96	3.80	4.30	4.80
97-100	4.00	4.50	5.00

MARKING SYSTEM QUALITY POINT INDEX (GPA)

A system of quality points is used to more accurately determine a student's rank in class by weighting subjects on three levels according to the depth of the content of the course.

In setting up this system, individual subjects in the curriculum are placed on one of the three tables. Table II includes most semester and full year courses of average content including Regents courses; Table III includes honors courses; Table IV includes advanced placement and college-level courses.

The GPA shown on the final report card is the GPA earned for that year. The GPA recorded on the Permanent Record Card of each student is cumulative.

RANK IN CLASS -- Rank in Class is cumulative and can be found on the Permanent Record Card at the end of each school year. As mentioned above, the GPA determines Rank in Class. Transfer students' rank is based on work completed at St. Dominic High School.

HONOR ROLL -- The Honor Roll is an in-school recognition given at the end of each academic quarter. It is based on a non-weighted average.

Principal's List: Average of 95% and no grade lower than 90% or lower than a A.
1st Honors: Average of 90% and no grade lower than 85% or lower than a A.
2nd Honors: Average of 85% and no grade lower than 80% or lower than a B.

GRADING POLICY

69 and Below – Failing

INC – Incomplete

MED -- Medically excused (PE only)

Letter grades in PE, Dance, and Music Performance Electives

Semester grades are determined as follows: Each quarter accounts for 2/5 of the semester average, and the mid-term or final examination grade accounts for 1/5. For courses in which a mid-term or final examination is not given, each quarter accounts for 50% of the semester average. All exams, quizzes, tests and other assignments given during the quarters will be recorded by teachers and become part of the quarter grade.

1210 – Graphic Arts*

Grades 10-12

1 Credit – Table II

A beginning level course which will introduce the student to the design process. The course covers a variety of basic techniques employed in the creation of comprehensive and mechanical artwork for visual communication. Project work engages the student in the use of text and images for communicative and promotional purposes. The course is designed as an inter-disciplinary course dedicated to the development of interactive computer graphics techniques and the use of these techniques in a variety of applications.

1271 – College Ceramics*

Grades 11 & 12

1 Credit – Table IV

This course is offered for college credit in affiliation with Adelphi University. Experiences in design and production through experimentation are provided. Students will work on the college level, building their skills in the art of creating in clay by hand and on the wheel. NOTE: These courses do not meet separately. Those participating will meet with the regular Ceramics classes; however, more stringent criteria will be used in evaluating their work and a college-level workload will be expected.

Prerequisites: A final average of 85 or higher in Introduction to Ceramics and acceptance into the Adelphi University program.

1281 – College Drawing & Composition*Grades 11 & 12

1 Credit – Table IV

This course is offered for college credit in affiliation with Adelphi University. The fundamentals of drawing and creating a two-dimensional composition are explored. The basics of drawing are covered both from observation and imagination. The modeled form, contour and gesture of the figure, patterns of light and dark, and the use of distortion for emotional purposes are included. NOTE: These courses do not meet separately. Those participating will meet with the regular Drawing and Painting classes; however, more stringent criteria will be used in evaluating their work and a college-level workload will be expected.

Prerequisites: A final average of 85 or higher in Drawing and Painting and acceptance into the Adelphi University program.

***PLEASE NOTE: A \$ 30.00 materials fee is required for all ceramics courses and a \$15.00 materials fee for all other art courses.**

BUSINESS

2241 – Keyboarding I

Grade 9

½ Credit – Table II

This one-semester course is designed for basic keyboarding proficiency at the computer as an essential business communication skill. Students will review the basic rules of touch-typing and work to improve their accuracy and speed on the keyboard.

2130 – Keyboarding & Word Processing Grades 10-12

1 Credit – Table II

This year-long course for upperclassmen is designed to help students improve their proficiency at the computer as an essential business communication skill. Students will work to improve their accuracy and speed on the keyboard and to enhance their word processing skills. They will learn how to use Microsoft Word to format various types of business communications as well as their own reports. Some time will also be spent on other Microsoft Office applications such as Microsoft Excel.

2132 – Accounting I

Grades 11 & 12

1 Credit – Table II

This course is designed to develop occupational competencies in bookkeeping and accounting, while offering students background in college level accounting. Skills taught enable the student to complete the full accounting cycle for a sole proprietorship and partnership and to become familiar with corporate accounting concepts and computer software applications.

2332 – Business Law

Grades 11 & 12

1 Credit – Table II

This course presents a general understanding of our legal system, and makes the student aware of legal rights and obligations of both minors and adults in society. Topics covered include crimes, torts, contract law, insurance, and employer-employee relationships. A case approach is used.

2334 – Sports & Entertainment Marketing Grades 11 & 12

1 Credit – Table II

This course is an activity-based course which will introduce marketing principles based on the sports theme using both a text and computer web site. This will involve creating a sports team, logo, promotional items, as well as a facility. Requirements: Computer user agreement permitting Internet access.

ENGLISH

3112 – English 9

Grade 9

1 Credit – Table II

English 9 concentrates on study skills to prepare students for the demands of secondary education including reading and interpreting documents, preparing short essays focusing on paragraph construction (i.e. unity, sentence development, agreement, case etc...). All forms of literature are studied including poetry, the short story, novels and drama including at least one selection from Shakespeare. Students will be taught the application of various literary terms such as irony, symbolism, foreshadowing and conflict in preparation for the English Regents offered in Junior year. Emphasis is placed on vocabulary development and word structure (prefixes, suffixes, root words) to prepare students for success when they eventually take the SAT.

3113 – Honors English 9

Grade 9

1 Credit – Table III

Honors English 9 includes the study of composition skills, the reading of literature, an expansion of the student's vocabulary, a further familiarization with the fundamentals of good grammar and correct usage, a refinement of reading comprehension skills and critical thinking skills, and an introduction to public speaking. The goals of the course's composition component include mastery of the paragraph and an introduction to the structure and style of an expository essay. The analytical tools for understanding literature are discussed in depth. Requirements: a research paper and Departmental Final Examination.

Prerequisites: A qualifying score on the placement exam given to incoming freshmen.

3122 – English 10

Grade 10

1 Credit – Table II

This course builds upon the skills learned in English 9. Students begin more in depth study of literature focusing on American authors through either a chronological or thematic approach. Students will be given opportunities for public speaking and research skills are introduced focusing on the integration of a number of sources into a unified work. Vocabulary and grammar studies are emphasized with PSAT and SAT applications. Longer written assignments are expected and some form of research paper is required. Literature will also include at least one selection from Shakespeare for extended study.

3123 – Honors English 10

Grade 10

1 Credit – Table III

This course emphasizes the various genres of American literature; thus, the course focuses on short stories, novels, essays, plays, and poetry. Throughout the school year the teaching of vocabulary, spelling, grammar and literary terms is incorporated into the student's written and oral expression. A research paper is required. A unit of study skills is part of the course's content.

Prerequisites: A final average of 90 or higher in Honors English 9; 92 or higher in Regents English 9

3132 – English 11**Grade 11****1 Credit – Table II**

With an emphasis on written responses to standardized tests as its base, English 11 offers a study of British literature. Course components include enhancing students' writing skills through various assignments both creative and expository as well as a research paper following MLA guidelines. Library/research skills and SAT preparation are also included. Students must make an oral presentation and submit a research paper. At least one selection from Shakespeare is included for in depth study. Students are also required take the English Regents in June.

3133 – Honors English 11**Grade 11****1 Credit – Table III**

Through a study of British writers, students will analyze writing options to embellish their skills for academic writing and standardized test responses. Language and vocabulary development, oral presentations, group projects, library/research skills and SAT preparation are integral elements of the course. Students are responsible for both creative and expository writing as well as a research paper according to MLA guidelines. At least one selection from Shakespeare is included for in depth study. Students are required to take the English Regents in January.

Prerequisites: A final average of 90 or higher in Honors English 10; 92 or higher in Regents English 10

3154– World Literature***Grade 12****1 Credit – Table II**

This year-long course is a brief survey of literature from around the world, opening the student to the richness available in other cultures as well as our own. Novels and poems create opportunities for student responses in written form. There is a term paper due near the end of the semester.

3144 – Advanced Placement English***Grade 12****1 Credit – Table IV**

Advanced Placement English is an enrichment course offered to college bound students who desire to perfect their English skills. Using outlines set forth in the College Entrance Examination Board's course description booklet, the course emphasizes reading, writing, speaking, and critical thinking. The literature encompasses both British and world literature. The students are prepared for the Advanced Placement Examination (Literature and Composition) which is administered in May. Requirements: A research paper and the Advanced Placement Test. A learning contract must be signed by both parent and student.

Prerequisite: A final average of 90 or higher in Honors English 11.

3146 – College English Composition* Grade 12 ½ Credit – Table IV

This is a college-level writing intensive course in which students will read a variety of essays, analyzing them for content, structure and language. Analysis and synthesis, in both reading and writing about a variety of subjects, are required. Research techniques are studied and a research paper is required. Students may take this course for three (3) college credits from St. John's University. There is a fee of \$250 for students choosing to take the course for college credit. This course is the companion course to – and is offered in conjunction with – *The Study of American Literature* (3149). *Prerequisite: A final average of 85 or higher in English 11.*

3149 – The Study of American Literature* Grade 12 ½ Credit – Table IV

This college-level course is an intensive study of a limited number of texts drawn from various periods of American literature. Students may take this course for three (3) college credits from St. John's University. There is a fee of \$250 for students choosing to take the course for college credit. This course is the companion course to – and is offered in conjunction with – *English Composition* (3146). *The Study of American Literature* (3149). *Prerequisite: A final average of 85 or higher in English 11.*

***Seniors may choose one of the English options available: *World Literature* (3154), *College English Composition/American Literature* (3146/3149), or *AP English* (3144) if they meet its prerequisites.**

3345 – Journalism Grades 11& 12 1 Credit – Table II

With an emphasis on writing articles for publication in the school newspaper, *The Bayhawk Bulletin*, this course gives students practical experience in newspaper reporting. Students will be exposed to news, sports, review and editorial writing techniques as they develop and enhance their skills in news gathering and editing. Requirements: Students must participate in the publication of *The Bayhawk Bulletin*. Enrollment limited.

3346 – Journalism II Grades 12 1 Credit – Table II

In this course, students will continue to develop enhance their reporting and writing skills while assuming editorial and leadership roles in the publication of the school's newspaper, *The Bayhawk Bulletin*. *Prerequisite: Journalism* (3345)

3348 – Editorial Techniques I Grades 11 & 12 1 Credit – Table II

Students will be introduced to techniques involves in publication development, including editorial writing from captions to extended essays, as well as photography and design basics. Over the course of the year, students will be responsible for monitoring and chronicling the daily activities of school life. Class members will be expected to contribute to the production of *Stella Maris*, the Yearbook of St. Dominic High School. Requirements: Additional writing assignments, including at least two brief research papers. Appearance at extracurricular school functions as they are assigned for inclusion in the yearbook.

3348 – Editorial Techniques II

Grade 12

1 Credit – Table II

Using the skills learned in Editorial Skills I, students will be introduced to imaging, publishing and design software and instructed on how to make use of it in assembling a permanent record of the academic year. They will be involved as leaders in every phase of production of *Stella Maris*, the yearbook of St. Dominic High School. As such, members of this class will contribute to the design and production of a hardcover publication in excess of 250 pages in strict adherence to a series of deadlines. Requirements: Additional writing assignments, including at least two brief research papers, and appearance at some extracurricular school functions as they are assigned for inclusion in the yearbook. *Prerequisites: Editorial Techniques I. Open only to students with secured editorial positions on the yearbook for the coming year.*

4134 – Honors French III
4534 – Honors Spanish III
4615 – Honors Italian III

Grades 9 & 10

1 Credit – Table III

This course will prepare the student with greater depth in all language skills: listening, speaking, reading and writing. Structured compositions will receive greater emphasis and cultural material will be studied. Term papers are required each semester on a literary topic. Requirements: Regents Examination in June.

Prerequisites: A final average of 90 or higher in Level II Honors; 92 or higher in Level II Regents.

4544 – Spanish IV – Introduction to Spanish Culture & Literature **1 Credit – Table II**

The course is a survey of the culture and literature of the Iberian Peninsula. Representative works from selected literary periods in Spain will be covered during the first semester. During the second semester, students will be introduced to the Pre-Columbian cultures of Latin-America. In addition, contemporary literary works and authors will be included.

Prerequisites: Successful completion of Level III with a final average of 85 or higher.

4143 – French IV – Introduction to French Culture & Literature **1 Credit – Table II**

This course is a survey of the culture and literature of France. Representative works from selected literary periods will be covered. Through the study of the French culture and literature, the students will simultaneously develop a better command of the French language.

Prerequisites: Successful completion of Level III with a final average of 85 or higher.

4616 – Italian IV – Introduction to Italian Culture & Literature **1 Credit – Table II**

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 with a final average of 85 or higher.

4543 – College Spanish IV

Grades 11 & 12

1 Credit – Table IV

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 foreign language sequence, and (2) six college credits applicable to advanced standing as a college freshman. This course introduces the students to more serious readings in the foreign language. The first semester, students will read a series of short stories with graded difficulty. Periodic papers will be expected. During the second semester, students will be introduced to different literary genres: short story, novel, poetry and essay. Periodic short papers will be expected. Students will work on a major project. This project will be on a theme of the student's choice and must encompass and demonstrate the student's knowledge of the language.

Prerequisites: Successful completion of Level III with a final average of 90 or higher.

HEALTH

6330 – Health

Grade 10 or 12

½ Credit – Table II

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. All students will receive instruction in Basic First Aid and cardiopulmonary resuscitation (CPR), based on the American Safety and Health Institute program (a nationally offered program supported by the American Heart Association). Upon completion of this segment and upon passing the corresponding tests, students will receive certification in both First Aid and CPR. Requirements: 3-4 research papers on current health issues. Passing written and practice exams in CPR. Class participation is strongly encouraged.

MATHEMATICS

Note: The student's current Mathematics teacher will make recommendations of placement for the coming year based on department criteria. This advice should be strongly considered before making final choices. Parents and students should consult with teachers to ensure proper placement.

5201 – Fundamentals of Algebra R1 Grade 9 1 Credit – Table II

The course is designed to cover the first half of the New York State Algebra curriculum. Students taking this course will continue to *Fundamentals of Algebra II* (5216) and take the Algebra Regents in June of their Sophomore year. Requirement: TI-83+ or TI-84+ Graphic Calculator.

5202 – Algebra Grade 9 1 Credit – Table II

This course is a part of the required New York State syllabus encompassing topics in algebra, geometry, probability, data analysis, and problem solving. Areas covered in this course include: tools of algebra, functions and their graphs, algebraic concepts, simple equations and inequalities, graphing and writing linear equations, systems of equations and inequalities, quadratic equations and functions, exponents, right triangles and radical expressions, polynomials, and rational equations and functions. Requirement: TI-83+ or TI-84+ Graphic Calculator. *Prerequisite: A qualifying score on the mathematics placement test given to incoming freshmen.*

5206 – Fundamentals of Algebra R2 Grade 10 1 Credit – Table II

This course is designed to cover the second half of the New York State Algebra curriculum. Students taking this course will take the Algebra Regents in June of this academic year. Requirement: TI-83+ or TI-84+ Graphic calculator.

5211 – Geometry NR Grades 10 & 11 1 Credit – Table II

This course is similar in scope to Geometry (5212), however, the students will not take the Regents examination in June. The material covered in the course will be that covered in Geometry (5212), but the material will not be explored in the same depth. Requirements: TI-83+ or TI-84+ Graphic calculator.

5212 – Geometry Grades 9 & 10 1 Credit – Table II

This course is designed to cover the second part of the New York State Mathematics syllabus encompassing topics in geometry. Areas covered in this course include reasoning, proving triangles congruent, parallel lines, similarity, and circles. Students will take the Geometry Regents in June of this academic year. Requirements: TI-83+ or TI-84+ Graphic calculator. *Prerequisites: Successful completion of Algebra and the Algebra Regents examination.*

5221 – Algebra 2 & Trigonometry NR Grades 10 & 11 1 Credit – Table II

This course is similar in scope to Algebra 2 and Trigonometry (5222), however, the students will not take the Regents examination in June. The material covered in the course will be that covered in Algebra 2 and Trigonometry (5222), but the material will not be explored in the same depth. Requirements: TI-83+ or TI-84+ Graphic calculator.

5222 – Algebra 2 & Trigonometry Grades 10 & 11 1 Credit – Table II

This course is designed to complete the New York State Regents sequence in mathematics. Area covered in the course include mathematical reasoning, numbers and numeration, tools of advanced algebra, trigonometric and quadratic functions and their graphs, algebraic concepts, quadratic and trigonometric equations and inequalities, and probability. Requirements: TI-83+ or TI-84+ Graphic Calculator. *Prerequisites: Successful completion of Geometry (5212) and the Geometry Regents examination.*

5119 – Mathematics B2 Grades 11 & 12 1 Credit – Table II

This course completes the Mathematics B curriculum for students who have completed Math B1 (5118). Students in this course may take the Mathematics B Regents examination in January. Requirement: TI-83+ or TI-84+ Graphic Calculator.

5134 – Advanced Algebra Grades 11 & 12 1 Credit – Table II

The curriculum for this course encompasses a blend of Geometric, Intermediate and Advanced Algebra topics. Requirement: TI-83+ or TI-84+ Graphic Calculator. *Prerequisites: Departmental recommendation.*

5142 – H. Pre-Calculus Grades 11 & 12 1 Credit – Table III

This course continues the study of Elementary Functions and their properties, introduces Curve Sketching, Conic Sections, Polar Coordinates, Limits, and the problems of Tangents to a Curve and Area under a Curve, in preparation for College-Level Calculus. Requirements: Scientific/Graphing Calculator (TI 82 or TI 83). *Prerequisites: Departmental recommendation.*

5144 – College/A. P. Calculus Grade 12 1 Credit – Table IV

This is a demanding college-level Calculus for those students who have successfully completed Pre-Calculus. Students make take this course for eight (8) college credits from St. John's University and/or they may choose to take the Advanced Placement examination in Calculus in May. There is a fee of \$500 for students who choose to take this course for college credit and/or a fee for the Advanced Placement examination. *Prerequisites: Departmental recommendation*

MUSIC

1510 – Music Appreciation

Grade 9

½ Credit – Table II

An introductory course in music geared to all levels of music interest and ability. Students will be encouraged to recognize and explore the maximum scope of music: its essence, purpose and history. Students will learn the elements of music (melody, harmony, rhythm, tempo and dynamics), study the major musical historical periods. They will study the major composers, their compositions, the classical forms of music and the distinction between “classical” and “popular” music.

1600 – Concert Choir

Grades 9-12

1 Credit

This is a singing group, chosen by audition, that consists of approximately 50-60 students. There are four sections within the group, decided by voice range: Soprano, Alto, Tenor and Bass. The age range is from Freshman-Senior (14 years old – 18 years old). Requirements: Students must audition prior to the beginning of the school year. The audition consists of the following skills: matching pitches, singing scales and warm-up exercises, sight reading a piece chosen by the director and piece of music brought in by the student (optional). After passing an audition, a section part will be assigned according to vocal range. Students will be asked to make a serious commitment to the group, which includes memorizing music, attending all rehearsals and sectionals, responsibility for folders and robes, 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.*

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.*

1630 – Advanced Music Theory

Grades 10-12

1 Credit – Table II

Music theory is a comprehensive study of the fundamental elements of music, including melody, harmony, rhythm, musical analysis, and to some extent, history and style. Additional emphasis will be placed on skills such as sight-singing and ear training. Students will also be given the opportunity to compose their own music.

PHYSICAL EDUCATION

6110/6130 – 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. Once during the year, the students are expected to take the National Physical Fitness examination.

The following sports will be examined during the season listed:

Fall	Soccer
	Volleyball
	Football
Winter	Basketball
	Floor Hockey
	European Handball
Spring	Badminton
	Lacrosse
	Softball
	Fitness and Conditioning

SCIENCE

5501 – General Science

Grade 9

1 Credit – Table II

This course is designed for students who have a need to strengthen their basic science skills. Emphasis will be on developing scientific skills such as obtaining experimental data, graphing data, interpreting graphs, using lab equipment, lab safety, mathematics in science, and test-taking techniques. Students will be required to complete a major project each semester that will involve obtaining scientific data, graphing the data and interpreting that data. Among the topics covered in the class will be organisms, microorganisms, humans systems, the Earth's changing surface, weather, climate, astronomy, energy, chemistry of matter, technology and society.

5512 – Earth Science

Grade 9

1 Credit – Table II

This course is designed to allow the student to study the following topics: 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 1200 minutes of hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: Written lab reports and Regents examination in June.

5513 – Honors Earth Science

Grade 9

1 Credit – Table III

This course is designed to allow the student an in-depth study of the following topics: 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 1200 minutes of hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: One research project per semester, written lab reports, and Regents examination in June.

Prerequisites: A score of 90 or higher on the Science Placement Examination given to incoming Freshmen.

5920 – Living Environment (Biology) Grades 9 & 10

1 Credit – Table II

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 plants and animals. During the course of the year, students will perform 1200 minutes of hands-on laboratory activities designed to reinforce the classroom study of the above topics. Requirements: Written lab reports and Regents examination in June.

5921 – Honors Living Environment Grades 9 & 10 1 Credit – Table III

This course is designed to present and supplement 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 plants and animals. During the course of the year, students will perform 1200 minutes of hands-on laboratory activities designed to reinforce the classroom study of the above topics. Students will participate in a trip to the Cold Spring Harbor DNA Laboratory. Requirements: Written lab reports and Regents examination in June.

Prerequisites: A final average of 87 or higher in Honors Earth Science; 90 or higher in Regents Earth Science. For incoming Freshmen, a score of 90 or higher on the Science Placement examination.

5631 – Conceptual Chemistry Grades 10 & 11 1 Credit – Table II

This course encompasses a general overview of basic chemistry concepts. Topics include safety, the atom, atomic structure, metric principles and measurement, a study of the elements, basic math principles of chemistry, bonding, solutions, the periodic table, acids and bases, and nuclear and organic chemistry. Lab sessions will be conducted within the regular class schedule when applicable.

5632 – Regents Chemistry Grades 10 & 11 1 Credit – Table II

This course is a thorough and comprehensive study of the basic principles of chemistry. Topics included in this course are chemical bonding, chemical reactions, math principles of chemistry, oxidation, reduction, nuclear chemistry, organic chemistry and equilibrium. Formal lab sessions will reinforce classroom learning. Written lab reports documenting at least 30 hours of laboratory procedures are mandatory. *Students are required to take the Chemistry Regents in June. Prerequisites: Departmental Approval.*

5633 – Honors Chemistry Grades 10 & 11 1 Credit – Table III

In addition to the above topics, students in Honors Chemistry will be required to master an extended Chemistry curriculum. Additional topics will prepare the student for the SAT II achievement examination in Chemistry. Additional laboratory experiments and a research project will further enhance their understanding of and appreciation for Chemistry. Students will be encouraged to actively participate in the Science Olympiads held each February. Requirements: Written labs, research project, and Chemistry Regents in June.

Prerequisites: A final average of 87 or above in Honors Living Environment; 90 or higher in Regents Living Environment.

5545 – Conceptual Physics Grade 12 1 Credit – Table II

This course will introduce students to the basic principles of physics. It is appropriate for those students interested in learning about our physical world. Topics included in the course are mechanics, electricity and magnetism, waves and optics, and modern physics. Labs and hands-on activities will be a major part of the learning experience. Curricular activities and opportunities may include Physics Day at Great Adventure, New York Tech Bridge Building Competition, and an egg-drop competition.

5543 – Physics**Grades 11 & 12****1 Credit – Table II**

This course is a thorough and comprehensive study of the basic principles of physics. It is appropriate for college-bound students who have an interest in the workings of the physical world. Students are encouraged to question their world and are instructed in the methods and means that modern science uses to investigate it. Topics included in this course are mechanics, electricity and magnetism, waves and optics, and modern physics. Formal labs will reinforce classroom learning. Curricular activities and opportunities may include Physics Day at Great Adventure Amusement Park, Top of the Hill Engineering Competition, Egg Drop Competition, New York Tech Bridge Building Competition, Physics Olympics and the Science Olympiad.

Requirements: Physics Regents in June (for underclassmen).

Prerequisites: A final average of 80 or above in Chemistry and 80 or higher in Regents Geometry (5212).

5544 – Honors Physics**Grades 11 & 12****1 Credit – Table III**

In addition to the topics above, students will cover additional materials to prepare them for the SAT II achievement examination in Physics. Among those topics are thermodynamics, geometric optics, and an expanded study of electricity and nuclear physics. Students will also be encouraged to participate in the Science Olympiads held each February. Requirements: Physics Regents in June (for underclassmen).

Prerequisites: A final average of 87 or above in Honors Chemistry; 90 or higher in Regents Chemistry and 87 or above in Regents Geometry (5212); 80 or above in Mathematics B-R (5114).

5542 – Advanced Placement Biology**Grade 12****1 Credit – Table IV**

This is a college-level course devoted to the study of living organisms. Topics to be investigated include: the concept, 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; evidences and theories of evolution; and plants and animals in their environment. Formal written lab reports reflecting at least 45 hours of laboratory work are required. Students will attend programs at the DNA Learning Center in Cold Spring Harbor. Participation in academic competitions is strongly encouraged. Requirements: A.P. Examination, SAT II Biology (June), and the Regents Exam (June).

Prerequisites: A final average of 85 or higher in Honors Biology and Honors Chemistry; 90 or higher in Regents Biology and Regents Chemistry .

SOCIAL STUDIES

3412 – Global History & Geography 9 Grade 9 1 Credit – Table II

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.

3413 – Honors Global History 9 Grade 9 1 Credit – Table III

This course is the first year of a two-year sequence designed to give students a thorough comprehension 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). This course is intended for the highly qualified, academically motivated student and consists of several projects supplemented by outside readings. Current events will be used to illuminate the present world situations.

Prerequisites: A grade of 92 or higher on the placement Exam in English.

3422 – Global History & Geography 10 Grade 10 1 Credit – Table II

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.

3423 – Honors Global History 10 Grade 10 1 Credit – Table III

This course is the second year of the two-year sequence designed to give students a thorough comprehension of world history and the relationship of different cultures to each other. It will feature a chronological approach and will begin with the French Revolution and conclude with modern times. This course is intended for the highly qualified, academically motivated student and consists of several projects supplemented by outside readings. Current events will be used to illuminate the present world situation. Requirements: Regents Examination in June.

Prerequisites: A final average of 90 or higher in Honors Global History 9; 92% or above in Regents Global History 9.

3432 – United States History**Grade 11****1 Credit – Table II**

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 – Table IV**

This course is an advanced, in-depth course in 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 of a primary source from which coherent historical accounts are crafted. Like any American History class, all major topics such as Immigration, Industrialization, Imperialism, and Capitalism are studied. However, in this course, students are encouraged 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. Requirements: A. P. American History Examination and Regents Examination in June.

Prerequisites: A final average of 92 or higher in Honors Global History 10.

3445 – Economics & Government**Grade 12****1 Credit – Table II**

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 worked on through these activities. In the area of economics, the student will gain an overview of general economic principles and their use. 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 – A. P. Government & Politics**Grade 12****1 Credit – Table IV**

The course takes 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.

Prerequisites: A final average of 88 or higher in AP U.S. History; 92 or higher in Honors U.S. History; 94 or higher in Regents U.S. History and a score of 550 or higher on the verbal portion of the SAT.

3541 – Criminal Justice (Fall) Grade 12 ½ Credit – Table II

This one semester course will focus on the United States criminal justice system, its components, and the way it deals with crime and processes criminals. Students study various aspects of the process such as police work. They examine correctional institutions, including jails and prisons. They will also learn about programs for offenders who either are not incarcerated or are released after serving a period of time. The agencies and organizations include the police, the courts, and corrections. Criminal justice is an inter-disciplinary field that studies the nature and operations of organizations providing justice services to society. *This course is offered in conjunction with Psychology (3542).*

3542 – Psychology (Spring) Grade 12 ½ Credit – Table II

This course will introduce the student to the basic principles underlying the science of psychology. Topics covered will include the psychological foundations of psychology, theories of learning, motivation and emotion. This course will include behavior change contracts and short term experiments in order to facilitate an understanding of the psychological theories in the forefront today. *This course is offered in conjunction with Criminal Justice (3541).*

3546 – Geography & Current Issues (Fall) Grades 10-12 ½ Credit – Table II

We hear about many different events in the news every day and so often we know almost nothing about how they came about or the places, people and cultures involved. In this semester-long elective students will examine current world cultures and geography while exploring world events covered in the news each week. *This course is offered in conjunction with The Sixties (3547).*

3547 – The 1960's (Spring) Grades 10-12 ½ Credit – Table II

The years between 1960 and the early 1970's were a very turbulent and eventful time in the history of the United States and many students today are familiar with some elements of that period in our history. In this semester-long elective, students will explore in depth the culture, politics, and historical events of this era using interviews, readings, music, art and many other resources. *This course is offered in conjunction with Current Events and Geography (3546).*

THEOLOGY

7112 – Theology 9: The Old Testament, Grade 9 1 Credit – Table II
The Story of God’s Love

This course introduces students to the self-revelation of God through the People of God. Its goal is that through reading and studying the Word of God - the Scriptures - they may come to know it, love it and desire to share it with others. Key topics covered include the Creation, the Call of Abraham, the Covenant at Sinai, the Exodus experience and the Prophets. The course traces the history of the relationship between God and humanity and points the way to the most intimate of all relationships, the Incarnation.

7121 – Theology 10: Jesus of History, Grade 10 1 Credit – Table II
Christ of Faith

The church’s understanding of Jesus and the means used to approach and achieve that understanding is at the center of everything Catholic Christians believe and do as persons of faith. The intention of this course is to present an enriched understanding of Jesus and his message in a sound and balanced way. It provides a thorough and clear presentation of the life, ministry, message and meaning of Jesus. The approach to understanding Jesus - beginning with the Jesus of History and moving to the Christ of Faith - is the content of this course.

7131 – Theology 11: Morality Grade 11 1 Credit – Table II
& Social Justice

Morality guides Christian conscience formation. This course is designed to lead students from a basic understanding of morality and its importance in growth towards maturity. Students explore the meaning of conscience, the stages of moral development and the nature and importance of moral principles, in general, and of the Christian moral principles in particular. Students will grow in an understanding of social justice issues and achieve a greater understanding of the correlation between the Gospel message and the call to action.

7145 – Christian Lifestyles Grade 12 1 Credit – Table II

The focus of this course is on the choices involved in living the Christian lifestyle, namely: the single life, marriage, religious life and the priesthood. Issues of identity and autonomy, creativity and learning, work, money and possessions, suffering and healing, sexuality, love, friendship and communication are examined in a faith context. The course is structured so that the students will have the opportunity to understand these themes, which run through all of life. Many of the concepts should assist the students in both the present and in the future.

