



Monsignor McClancy Memorial High School

Program of Studies

2023-2024

Mr. Nicholas Melito '76
President

Mr. James Castrataro
Principal

Mr. Vincenzo Insingo
Assistant Principal for Academics

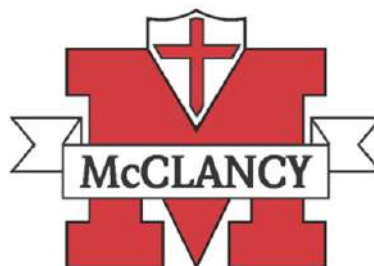
Curriculum Coordinators

Humanities

*English, Social Studies, Religion &
Modern World Language*
Mr. James Olszewski '07

STEAM

*Science, Technology, Mathematics,
Fine Arts & Physical Education*
Ms. Ann Smith



GRADUATION REQUIREMENTS:

Monsignor McClancy Memorial High School awards a New York State Regents diploma to a student who has successfully completed four years of study at the high school level and who has met the following requirements. Please note that the requirements listed below surpass the minimum prescriptions as enacted by the New York State Board of Regents.

COURSES	CREDITS										
Religious Studies	<table border="0" style="margin-left: 20px;"> <tr> <td style="text-align: right;">YOG</td> <td style="text-align: left;">Credits</td> </tr> <tr> <td style="text-align: right;">2024</td> <td>3 ½ credits (#510, #520 and 3 courses of ½ credit each)</td> </tr> <tr> <td style="text-align: right;">2025</td> <td>3 ½ credits (#510 and 5 courses of ½ credit each)</td> </tr> <tr> <td style="text-align: right;">2026</td> <td>3 credits (6 courses of ½ credit each)</td> </tr> <tr> <td style="text-align: right;">2027</td> <td>3 credits (6 courses of ½ credit each)</td> </tr> </table>	YOG	Credits	2024	3 ½ credits (#510, #520 and 3 courses of ½ credit each)	2025	3 ½ credits (#510 and 5 courses of ½ credit each)	2026	3 credits (6 courses of ½ credit each)	2027	3 credits (6 courses of ½ credit each)
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2027	3 credits (6 courses of ½ credit each)										
English	4 credits (English I, English II, English III & English IV)										
Social Studies	4 credits (Global I & II, American History, Government, Economics)										
Mathematics	4 credits										
Science	3 credits (3 lab sciences required)										
Modern World Language	2 credits (3 credits recommended)										
Health Education	½ credit										
Fine Arts	1 credit (¼ or ½ credit earned for each course)										
Physical Education	2 credits (½ credit each year for 4 years)										
Elective Courses	3 credits										

REGENTS EXAMS IN THE FOLLOWING:

English	Global History and Geography
U.S. History/Government	One Math (Algebra, Geometry or Algebra 2)
One Lab Science (Living Environment, Earth Science, Chemistry or Physics)	

Requirements for a Regents Diploma with Advanced Designation (*with Honors) 65 or better in these exams:

English	Algebra, Geometry, Algebra II
Global History and Geography	U.S. History and Government
Living Environment and only one of Earth Science, Chemistry or Physics	
3 credits of Modern World Language** followed by LOTE B Exam in Spanish or Italian***	

**Must have over a 90 average on all the required Regents exams for Advanced Designation.*

*** Students who pursue a qualified 5-unit sequence in Art or Music may substitute that sequence for the World Language requirement.*

****Students who earn three credits and show proficiency on a LOTE B examination in a language other than Spanish or Italian may submit documentation to be exempt from taking an additional year of Spanish or Italian.*



Requirements for Re-registration: Your course registration fee (matriculation) of \$250.00 must be submitted to the Finance Office by March 1st. Students who are not planning to return to Monsignor McClancy Memorial High School should still complete the online course registration.

Academic Preparation for College Admission: A student seeking admission into a certain college, university or academic program will collaborate with the Guidance Department for specific admission requirements. This will help students develop an academic plan over their four years at McClancy. Beginning in the 2020-2021 school year, these efforts have been enhanced through our partnership with Naviance by Hobsons. (We highly recommend exploring Careers interest through Naviance.)

College Credit Information: Monsignor McClancy High School offers College Credit courses for Juniors and Seniors through the College Advantage Program provided by St. John's University. Students may be eligible for the extension program if they meet these requirements: an *85% cumulative average for juniors, an 80% cumulative average for seniors, and a 1080 combined reading and math score on the SAT or PSAT or a score of 21 on the ACT*. These requirements are subject to change as student acceptance is based on St. John's criteria. Registration is twice a year, September & February. The cost for these courses is determined by the university. Credits are transferable to many colleges in the United States. Additionally, students can earn College Credit through study in Advanced Placement courses and proving their competency on the class' accompanying exam.

College Credit Courses available through St John's University:

Honors English IV : Composition & Rhetoric # 044	Religion IV #541
Honors English IV : Major American Writers #045	Advanced Biology #250
Calculus #141	Business Law #363

Advanced Placement Courses (AP):

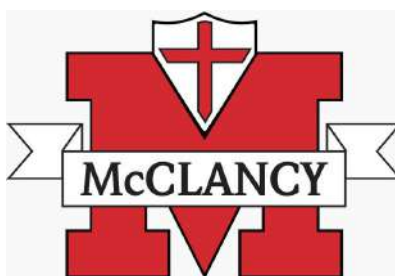
English Literature and Composition #031	American History #333
Computer Science A- Java #140	U.S. Government and Politics #342
Environmental Science #253	Italian #441
European History #322	Spanish #440
Psychology #354	

Requirements for Accelerated Classes: Students who enter Monsignor McClancy Memorial High School having completed high school level coursework and receiving proficient scores (presently a score of 85%) on New York State Regents or language other than English examinations (LOTE A in Spanish or Italian) may be placed in accelerated courses in those respective subject areas. These credits do not reduce the number of credits in each subject area that must be completed during a student’s course of study at Monsignor McClancy Memorial High School.

Exam	Corresponding Accelerated Course
Algebra I	Geometry #122 or #124
Living Environment	Earth Science #220 or #221
Earth Science	Biology #210 or #212
LOTE A in Spanish	Spanish II #420
LOTE A in Italian	Italian II #421

Graduation Requirements for Transfer Students: Students who enter Monsignor McClancy Memorial High School as their first registered New York State Regents diploma granting institution have different graduation requirements as prescribed by the New York State Board of Regents.

Grade Enrolling At Monsignor McClancy High School	Regents Examinations Required
10	<ul style="list-style-type: none"> ● One Science ● One Math ● Global History & Geography ● American History & Government ● English Language Arts
11	<ul style="list-style-type: none"> ● One Science ● One Math ● American History & Government ● English Language Arts
12	<ul style="list-style-type: none"> ● One Math ● American History & Government ● English Language Arts





Monsignor McClancy High School operates on a eight-day rotating schedule. A 1 Credit Course usually meets eight days per rotation while a ½ Credit course usually meets for four days per eight-day rotation. The rare ¼ Credit Course usually meets four days per eight-day rotation for a semester. All of the core courses including English, Social Studies, Science and Math meet for a double period once per eight-day rotation.

Course Outline

Freshman Course Outline	Sophomore Course Outline
English I: 1 Credit	English II: 1 Credit
Algebra I or Geometry Honors: 1 Credit	Geometry or Algebra II Honors: 1 Credit
Global Studies I: 1 Credit	Global Studies II: 1 Credit
Biology or Earth Science: 1 Credit	Earth Science or Honors Chemistry: 1 Credit
Religion9 - Catholicism: ½ Credit	Religion10A - Old Testament: ½ Credit
Spanish I or Italian I: 1 Credit	Religion 10B - New Testament: ½ Credit
Physical Education: ½ Credit	Spanish II or Italian II: 1 Credit
Studio Art: ½ Credit	Physical Education: ½ Credit
Music Appreciation: ½ Credit	Health Education: ½ Credit

Junior Course Outline	Senior Course Outline
English III: 1 Credit	English IV: 1 Credit
Algebra II or Pre-Cal: 1 Credit	Government: ½ Credit
American History: 1 Credit	Economics: ½ Credit
Chemistry or Honors Physics: 1 Credit	Physical Education: ½ Credit
Religion 11A - Morality: ½ Credit	Religion 12 Elective: ½ Credit
Religion 11B - Sacramental Theology: ½ Credit	Math Elective #1: 1 Credit
Physical Education: ½ Credit	Senior Elective #2: 1 Credit*
Fine Arts Elective: ½ Credit	Senior Elective #3: 1 Credit*
Junior Elective: 1 Credit*	

***Elective Credits may be earned by taking one course that meets every day for a full credit or a combination of two ½ credit courses that each meet four days out of the eight-day cycle.**

Chorus or Instrumental Band may be taken for an additional ½ Credit all four years of the student's high school career.

Humanities Courses

Religious Studies

Religion 9: Foundations & Traditions of Catholicism #512 **Grade 9** **Full year** **½ credit**

The course offers an overview of Catholicism, responding to the concerns of the developing faith of the adolescent. The course introduces core topics including the Catholic understanding of the nature of God as seen in the creeds, forging a relationship with God through prayer and the reception of grace in the sacraments. Special attention is paid to fostering an understanding of the liturgical practices and calendar of the Church. Additionally, in keeping with the tradition established by the Brothers of the Sacred Heart, students are introduced to a history of the Brothers, their founder, and their educational charism.

Religion 10A: Old Testament #522 **Grade 10** **Half year** **½ credit**

This course is a journey through Scripture beginning with an examination of the faith stories of the men and women of the Old Testament. Special attention is paid to the books of Genesis and Exodus from the Pentateuch, as well as the messages of the prophets which foretell the coming of the Messiah in Jesus Christ. In addition to exploring the significance of these texts to the Judeo-Christian tradition, students will engage in a close reading of the Scriptures in ways similar to the textual analysis performed in other courses of the Humanities Department.

Religion 10B: New Testament #523 **Grade 10** **Half year** **½ credit**

This course is a journey through the New Testament beginning with a deep study of the four gospels culminating with an exploration of the Early Church as set forth in the book of Acts and the principles guiding the community in the Epistles of Paul and the apostles. Students will encounter the good news of God in Jesus, His gospel message of life and love as shown both throughout his earthly ministry and above all in the redemption of the world as revealed in the paschal mystery.

Religion 11A: Morality & Vocation #532 **Grade 11** **Half year** **½ credit**

The principles of Catholic morality are presented as rooted in Scripture and articulated in the Church's teaching. These principles ground the moral life in the ways of Christian living in response to the Gospel. The primary focus is on the place of Jesus in morality, the teaching authority of the Church, the development of our conscience, the presence of sin and the ways to live with virtue in the world around us. The course presents the Church's understanding of how to live in a society and why each of us has an obligation to be a just and caring person at all times.

Religion 11B: Sacramental Theology #533 **Grade 11** **Half year** **½ credit**

The Church has identified 7 ways that God comes to us known as the Sacraments. In these certain moments Christ is present; making us closer followers and disciples of the Lord. The course will look at these 7 signs through the Church's understanding, prayer and liturgical practices. As these moments are spread throughout a person's life, the course will also prepare students for dealing with transition and how to live their faith in different ways including single life, married life and religious life. Since the Catholic understanding of death is inseparable from the theology of baptism, this course strives for students to develop an understanding of death as a fact of life. **Please Note: Qualified students will be**

able to replace this course with #541 which offers College Credit through the St. John's University College Advantage Program.

Religion IV: *Students will choose one of the following courses to complete this requirement.*

Foundations of Christian Theology #541 **Grade 12** **Half year** **½ credit**

Prerequisite: *Meeting St. John's University College Advantage Program Requirements*

A Catholic Historical Perspective corresponds to St. John's University – *THEOLOGY 1000 – Prospective on Christianity – A Catholic Approach*. An introduction to the foundations and doctrinal developments of fundamental Christian beliefs and practices as expressed through Sacred Scripture, theological writings of the Fathers of the early church, the ecumenical councils, and the teachings of the Magisterium of the Church. This course will be both Trinitarian and Christological in its approach on the nature of God and the person of Jesus Christ, respectively. Students will gain an appreciation of the scriptural, historical, and theological basis of the Gospel of Jesus Christ and how this developed into a Catholic worldview which includes the Church's interaction with the modern world and the value of each human person as made in God's image and likeness. Students will also gain an understanding and become articulate in explaining and defending the Gospel to those who want to know "...the reason for the hope that is in you" (1 Peter 3:15).

Catholic Themes in Art and Film #543 **Grade 12** **Half year** **½ credit**

This course is designed to explore Catholic themes through the lens of art and movies. Students will explore the religious imagery in art and architecture throughout history. In addition, students will watch various movies throughout the year and evaluate religious context and symbolism. Students will analyze the works that they view in the form of written reflections. Students will be expected to complete quarterly projects rooted in the arts.

Women in Scriptures and Church History #542 **Grade 12** **Half year** **½ credit**

Since creation, women have been called into a special relationship with God that equips them to accomplish particular ministries. From the wives of the Jewish patriarchs to Ruth, Esther, and the Blessed Virgin Mary, women have played a significant role throughout salvation history. This course will examine their contributions to the promulgation of the faith and how their lives continue to model Christian behavior to men and women today. As the course progresses, additional study will be conducted on the lives of female saints.

X Exploring World Religions #546 **Grade 12** **Half year** **½ credit**

In this course, students will consider the ideas and beliefs surrounding some of the most adhered to religious traditions. This is done by employing a comparative lens from the vantage point of Roman Catholicism. Special focus will be applied to studying the religious practices and traditions of each group and will be grounded in their most significant sacred texts. This is an ideal choice for students of all faiths, as it seeks dialogue and common ground. By the end of the course, students will have a greater understanding of various faiths including fresh insights regarding Christianity and Catholicism.

English

X English I #010 **Grade 9** **Full year** **1 credit**

The course is intended to provide the student with a solid foundation in the skills of reading, writing, listening and speaking through the study of grammar, literature, vocabulary (geared toward college preparation) and study skills. A writing program is introduced with special emphasis on essay writing, as well as an introduction to research skills. Study skills in listening, note-taking, outlining and test taking are given special emphasis early in the first semester to assist the student in meeting the demands of the high school curriculum.

X √ Honors English I #012 **Grade 9** **Full year** **1 credit**

Prerequisite: *Departmental Approval based off of TACHS scores and Placement Test*

This advanced course is designed for the capable, motivated student to develop skills needed to excel in all areas of study. The rules of grammar and sentence structure are incorporated into a writing program that includes special emphasis on essay writing, as well as an introduction of research skills. Study skills in listening, note-taking, outlining and test taking are covered. Vocabulary is geared toward college preparation.

X English II #020 **Grade 10** **Full year** **1 credit**

Prerequisite: *English I.*

This course covers all forms of communication both written and oral. Special emphasis is placed on meeting the *NY State Performance Standards* in listening and speaking. Students are required to make presentations and to actively critique those of others. In order to align with our Global Studies II curriculum, literature is drawn from a variety of sources outside of the United States across multiple genres. A special emphasis is placed on developing an understanding of historical, cultural and social context. Writing skills are continued to be developed alongside our efforts to develop a greater vocabulary (geared toward college preparation).

X √ Honors English II #022 **Grade 10** **Full year** **1 credit**

Prerequisite: *English I & Departmental Approval based off performance in English class.*

This advanced course is for the motivated and highly competent student. The emphasis is on all forms of communication both written and oral. Special emphasis is placed on meeting the *NY State Performance Standards* in listening and speaking. Instruction in grammar and sentence structure is provided as needed. The writing program is continued with emphasis on various types of writing, both critical and creative. In order to align with our Global Studies II curriculum, literature is drawn from a variety of sources outside of the United States across multiple genres. A special emphasis is placed on developing an understanding of historical, cultural and social context. Writing skills are continued to be developed alongside our efforts to develop a greater vocabulary (geared toward college preparation). **Preparation is given for the New York States Regents Comprehensive Exam in English, which is a graduation requirement.**

Social Studies

X Global Studies I #310 **Grade 9** **Full year** **1 credit**

This course is designed to provide the student with a basic understanding of various regional cultures. It is essential, in our increasingly interdependent world, that the student realizes that cultural differences are the result of different environmental and historical forces. Furthermore, it is important that the student gains insights into the minds and hearts of people whose way of life seems alien to our own. People of all nations, races and religions have made important contributions to a common human culture, and knowledge of this basic truth is crucial. Global Studies I will cover in chronological order from the first civilizations in Africa and Asia to the French Revolution.

X √ Honors Global Studies I #312 **Grade 9** **Full year** **1 credit**

Prerequisite: *Departmental Approval based on the TACHS scores and Placement Test results.*

This course is designed to provide the student with a basic understanding of various regional cultures. It is essential, in our increasingly interdependent world, that the student realizes that cultural differences are the result of different environmental and historical forces. Honors Global Studies I will cover, in chronological order, the first civilizations in Africa and Asia to the Crusades. Honors Global Studies I puts a greater emphasis on analyzing documents and writing the sort of assignments necessary for work in Advanced Placement courses. In the second half of the year, the course will begin study of the AP European History curriculum covering topics including the Renaissance, Reformation, Scientific Revolution, Commercial Revolution, Enlightenment, French Revolution and the Congress of Vienna.

X Global Studies II #320 **Grade 10** **Full year** **1 credit**

Prerequisite: *Global Studies I or Honors Global Studies I*

This course is a continuation of the first-year curriculum designed to provide the student with a basic understanding of various regional cultures. Areas studied in this course will include: the Enlightenment, the French Revolution, the Industrial Revolution, Nationalism, Imperialism, World Wars I and II, and the world since 1945. Students will participate in extensive study of primary and secondary sources and will be introduced to developing written responses similar to the efforts performed by historians. At the conclusion of this course, all students **MUST** take the **NY State Global Studies Regents Exam** required for graduation.

X √ AP European History #322 **Grade 10** **Full year** **1 credit**

Prerequisite: *Departmental Approval based off performance in Global Studies I or Honors Global Studies I and PSAT Scores in Reading*

This course follows the scope and sequence of AP European History reviewing major developments in European History beginning with the Renaissance. Areas studied in this course will include: the Rise of Nationalism, Imperialism, World Wars I and II, and the world since 1945. Students will study the cultural, economic, political, and social developments that have shaped Europe from c. 1450 to the present by analyzing texts, visual sources, and other historical evidence and writing essays expressing historical arguments. At the conclusion of this course, all students **MUST** take the **Advanced Placement Exami-**

nation in European History, as well as, the **NY State Global Studies and Geography Regents Exam** required for graduation.

X American History #330 **Grade 11** **Full year** **1 credit**

Prerequisite: *Global Studies II or Honors Global Studies II*

This course is the story of the American people and how they governed themselves, their economic life, their relations with other nations and their social and contemporary problems. Through this course we hope to present to the student a timely approach to current issues as they have evolved from past events. Because we live in a democracy there are many conflicting views about this country that may influence a young mind. By offering an objective view of the land and culture, the student will learn to separate essentials from trivia. American History provides information needed to understand the past and think constructively about the future. At the conclusion of this course, all students **MUST** take the **U.S. History/Government Regents Exam** required for graduation.

X √ AP United States History #333 **Grade 11** **Full year** **1 credit**

Prerequisite: *A **Minimum** score of at least 90% on the Global Studies Regents or at least a 3 on the AP European History Examination*

This course is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. At the conclusion of this course, all students **MUST** take the **U.S. History/Government Regents Exam** required for graduation and the **Advanced Placement Examination in United States History**.

X Government & Politics #340 **Grade 12** **Full year** **1/2 credit**

Prerequisite: *American History or Honors American History.*

This course is designed to acquaint students with the origins, concepts, organizations, and policies of the United States government and political system. To increase comprehension, students will read and analyze relevant primary and secondary source documents. Topics studied include foundations of United States government, the three major branches of government, and the Constitution. Students will study the details of the political system at the national, state, and local levels. Comparisons will be made between American government and other political systems.

X Economics & Finance #341 **Grade 12** **Half year** **1/2 credit**

This course is taken in conjunction with either #340 Government or #344 AP Government and Politics to complete the senior year Social Studies requirement. This course explains how and why people and societies make economic choices. Students will examine macroeconomic and microeconomic principles to understand the fundamentals of the American and global economic systems. Real world application and examples of economic concepts such as supply and demand, gross domestic product, business functions, inflation, and trade will be explored. Comparisons will be made between American economy and other economic systems.

events reportedly took place. The course will include a study of events both within the United States and from elsewhere around the world that students have previously studied in Global Studies II. At the culmination of the course, students will work as individuals or in groups to create short films about additional twentieth century events.

X Criminal Justice #372

Grade 11-12 Half year ½ credit

This course surveys the American criminal justice system and addresses the individual elements of the justice process. Topics covered in this overview course include: the police service, the courts, correctional services, the development of laws and public policies, and pressing issues facing the criminal justice system. The course also addresses the United States Constitution with respect to criminal justice administration.

X Philosophy #373

Grade 11-12 Half year ½ credit

Philosophy is designed to explore the ideas of the mind and the world through nonfictional literature analysis, writing and discussion. You will reflect on abstract and concrete ideas in order to live a more fulfilling and actively positive life for yourself and those with whom you interact. Throughout the year you will continue to develop and strengthen communication skills through active reading, writing, listening, and speaking through in-class discussion and assignments as well as outside-of-class individual and group assignments. You will also be more assured in how you carry yourself, live your life, and interact with others in order to make the world a better place.

X History of World War II #374

Grade 11-12 Half year ½ credit

The Second World War stands as one of the most significant events in the history of the world due to its far-reaching impact on the populations, politics, and economics of the vast majority of the nations of the world. This class is designed to examine the origins, course, and consequences of World War II. Our study will begin in the closing days of the First World War which sets the stage for the ideological struggles that result in totalitarian states emerging in Europe and the Far East. While class content will include how nations conducted the military aspects of the war, we will spend place an added level of focus examining the political dimensions of the war from the perspective of each of the major combatants.

X History of the American Presidency #375

Grade 11-12 Half year ½ credit

This course examines the American Presidency from four perspectives. First, it considers the creation of the presidency and “executive power” in the Constitution, surveying the institutional development of the presidency and executive branch from the late 1700s through the present. Second, it examines different theories on the politics of presidential leadership. We will examine different perspectives of understanding presidential leadership. With these perspectives we will be able to pursue the questions of what makes good presidents and how we define successful presidents. The course will continuously ask whether the president needs more tools to fulfill expectations placed upon him or her. Lastly, the presidencies beginning with Washington through the present day will be dissected in various ways: How were they influenced by those closest to them (i.e. First Lady, Vice President), why they focused on specific issues, and how their lives led them to assume the most powerful position in the free world. Students will develop an ability to apply historical thinking and awareness to understanding present-day political, economic, and social structures.

Modern World Language

X Spanish Level I #410

Grade 9

Full year 1 credit

This is a novice level course where students are introduced to Spanish by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. Each lesson from the textbook consists of a new vocabulary theme and grammar concepts, reading and listening comprehension activities, speaking, and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar and culture.

X Italian Level I #411

Grade 9

Full year 1 credit

This is a novice level course where students are introduced to Italian by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. Each lesson from the textbook consists of a new vocabulary theme and grammar concepts, reading and listening comprehension activities, speaking, and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar and culture.

X Spanish Level II #420

Grade 10

Full year 1 credit

Prerequisite: *Spanish Level I or a minimum of 85% on LOTE A examination in Spanish*

This is an intermediate course that follows Spanish I succession that has a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations, and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products and perspectives of various Spanish-speaking countries, and take frequent assessments where their language progression can be monitored.

X Italian Level II #421

Grade 10

Full year 1 credit

Prerequisite: *Italian Level I or a minimum of 85% on LOTE A examination in Italian*

This is an intermediate course that follows Italian I succession that has a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations, and respond appropriately to basic conversational prompts, analyze cultural practices and perspectives of various Italian regions, and take frequent assessments where their language progression can be monitored.

X Spanish Level III #430

Grade 11

Full year 1 credit

Prerequisite: *Minimum Average of 80% in Spanish II*

This course is designed to integrate the four skill areas (reading, writing, listening and speaking) and focus on the use of the target language as both the principal means of communication as well as the object of study. Students practice these skills through the exploration of literary works, reading selections,

and film to become more deeply aware of the historic and contemporary culture of Hispanic countries. In this course, conversation skills are continually emphasized. During the year, writing activities become more complex as the student's knowledge of grammar increases. All students enrolled in the course **MUST** take the **Spanish LOTE B Exam** in June.

X Italian Level III #431

Grade 11 Full year 1 credit

Prerequisite: *Minimum Average of 80% in Italian II*

This course is designed to integrate the four skill areas (reading, writing, listening and speaking) and focus on the use of the target language as both the principal means of communication as well as the object of study. Students practice these skills through the exploration of literary works, reading selections, and film to become more deeply aware of the historic and contemporary culture of Italy. In this course, conversation skills are continually emphasized. During the year, writing activities become more complex as the student's knowledge of grammar increases. All students enrolled in the course **MUST** take the **Italian LOTE B Exam** in June.

X √ AP Spanish #442

Grade 12 Full year 1 credit

Prerequisite: *Minimum of 85% on the LOTE B Exam in Spanish.*

This course is a specialized class designed for students seeking college credit via the Advanced Placement exam in the Spanish language. The student must demonstrate competence in listening, speaking, reading and writing and have a fundamental knowledge of the culture of Spanish-speaking peoples. Students in this class will explore the literature and culture of the Hispanic world through film, drama, poetry and projects, with emphasis on grammar, conversation, writing and selected readings from the modern period of Spain and the Americas. By the end of the year, students will aim to be accurate and fluent as they compose expository essays and express ideas verbally. Students are required to take the **Advanced Placement Spanish Language and Culture Exam** in May.

X √ AP Italian #441

Grade 12 Full year 1 credit

Prerequisite: *Minimum of 85% on the LOTE B Exam in Italian*

This course is a specialized class designed for students seeking college credit via the Advanced Placement exam in the Italian language. The student must demonstrate competence in listening, speaking, reading and writing and have a fundamental knowledge of the Italian culture. Students in this class will explore Italian literature and culture through film, drama, poetry and projects, with emphasis on grammar, conversation, writing and selected readings. By the end of the year, students will aim to be accurate and fluent as they compose expository essays and express ideas verbally. Students are required to take the **Advanced Placement Italian Language and Culture Exam** in May.

STEAM Courses

Science

X Biology #210 **Grade 9** **Full year** **1 credit**

This course is designed for the general student whose grades and enthusiasm tends to be average yet is considering college in his future. The course begins with recognition of the unique characteristics of organisms, followed by topics in molecular and cellular biology. Principles underlying evolution, reproduction, heredity, and ecology are developed. The structure and function of both plants and animals will be examined. There will be a two-period lab each cycle. At the conclusion of this course all students **MUST** take the **Living Environment Regents Exam** required for graduation.

X Y Honors Biology #212 **Grade 9** **Full year** **1 credit**

Prerequisite: *Departmental Approval based off TACHS scores and Placement Test*

This is the 9th year honors science course which employs texts and methods that initiates those who are capable of an accelerated program in science. Students are directed to accept and make decisions as to the extent of their learning using several texts. Topics investigated include: the origin of life, the structure and function of living things, reproduction, evolution, genetics, and ecological relationships. There will be a two-period lab each cycle. At the conclusion of this course all students **MUST** take the **Living Environment Regents Exam** required for graduation.

X Earth Science #220 **Grade 10** **Full year** **1 credit**

Prerequisite: *Biology*

This course investigates multiple aspects of our planet: land, space, air and ocean. Following the Regents syllabus for Earth Science, this course prepares the student to successfully take the Regents Earth Science Exam. Topics in astronomy, geology, oceanography, and meteorology reveal aspects of the mechanical earth and the planets. Participation in developing a personal investigation which explores one of the course's topics is required for all students. There will be a two-period lab each cycle. At the conclusion of this course all students **MUST** take the **Earth Science Regents Exam**.

X Y Honors Earth Science #221 **Grade 9-10** **Full year** **1 credit**

Prerequisite: *Departmental approval based on performance in Biology or Honors Biology as a ninth grader or incoming freshmen have a minimum of 85% on Living Environment Regents and elementary school grades.*

This course investigates multiple aspects of our planet: land, space, air and ocean. Following the Regents syllabus for Earth Science, this course prepares the student to successfully take the Regents Earth Science Exam. Topics in astronomy, geology, oceanography, and meteorology reveal aspects of the mechanical earth and the planets. Participation in developing a personal investigation which explores one of the course's topics is required for all students. There will be a two-period lab each cycle. At the conclusion of this course all students **MUST** take the **Earth Science Regents Exam**.

X Chemistry #230 **Grade 11** **Full year** **1 credit**

Prerequisite: *Biology and Earth Science*

Chemistry has as its goal to stimulate the student's interest and understanding toward fundamental chemical processes. Content will focus on atomic structure, matter and energy interactions, biochemistry in the home and an introduction to organic chemistry. To support this theoretical work, there will be a two-period lab each cycle.

X √ Honors Chemistry #232 **Grade 10-11** **Full year** **1 credit**

Prerequisite: *Minimum of 90% Average in Honors Biology or 95% Average in Biology.*

This is the 10th year honors science course. Chemistry is the science that studies the materials we find around us. It is the study of matter and its changes. Areas of study and discussion in Honors Chemistry involve: the examination of the properties, changes and interactions of matter and energy. Associated topics investigated include measurement, atomic and subatomic particles, chemical bonding, kinetics, nuclear chemistry, periodic table, organic chemistry, equations and calculations. There will be a two-period lab each cycle. Students in this course **MUST** take the **Chemistry Regents Exam**.

X Conceptual Physics #240 **Grades 11-12** **Full year** **1 credit**

Prerequisite: *Prerequisite: Chemistry and students should have either completed Algebra II/ Trigonometry or taking simultaneously*

Conceptual physics is a laboratory science course with an emphasis on the scientific method and the fundamental principles of the physical world. Topics include basic concepts of motion, mechanics, forces, energy, heat, electricity, magnetism, sound & light, motion, and the structure of matter and the universe. Laboratory experience is an important part of this course with a double period lab meeting once each cycle

X √ Honors Physics #242 **Grades 11-12** **Full year** **1 credit**

Prerequisite: *Honors Chemistry, Algebra II / Trigonometry. and Departmental Approval based off performance in Math and Science courses*

This is the 11th year honors science course. Physics is the science that examines the relationships of matter and energy. It is basic to all other sciences. Biologists, chemists, astronomers, geologists and all engineers must have a thorough background in Physics. A strong basic background in fundamental mathematics is needed. This is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves. Laboratory experience is an important part of this course. The course curriculum specifies what students must know, be able to do, and understand, with a focus on six big ideas that encompass core principles, theories, and processes of physics. The course encourages students to make connections across domains through a broader way more integrated way of thinking about the physical world. A personal investigation of a physics related topic is required. There is a double period lab each cycle.

Science Electives

X ∇ **Advanced Biology #250 College Credit** **Grade 12** **Full year** **1 credit**

Prerequisite: *Average Falls in Top 25% in Science Classes & St. John's University College Advantage Requirements and Honors Physics.*

Advanced Biology presumes a strong orientation in the Biological field with motivation to pursue medical, biological, or agricultural interest during college studies. Topics include biochemistry, molecular/cell biology, biotechnology, genetics, human physiology, ecology and evolution. Students can obtain eight college credits from St. John's University. There will be a two-period lab each cycle.

X **Anatomy and Physiology #251** **Grade 12** **Full year** **1 credit**

Prerequisite: *Average Falls in Top 50% in Science Classes and Passing Score on Living Environment Regents Exam*

Anatomy is a branch of natural science dealing with the structural organization of living things. It is an old science having its beginnings in prehistoric time. The proper understanding of structure implies a knowledge of function in the living organism. Anatomy is therefore almost inseparable from physiology, which is also called functional anatomy. There will be a two-period lab each cycle.

X ∇ **AP Environmental Science #253** **Grade 12** **Full year** **1 credit**

Prerequisite: *Average Falls in Top 25% in Science Classes*

Environmental Science is a curriculum that is designed to introduce students to major ecological concepts and the environmental education. This program provides one way in which students can become aware of the interactions of people and their environment. The curriculum focuses on concepts that are real-life issues. It promotes awareness and understanding of practical everyday problems that affect their lives. It also relates important environmental issues to the lives of the students and their family. There will be a two-period lab each cycle. Additional fieldwork will take place in the form of field trips. All students **MUST** take the **Advancement Placement Environmental Science Exam**.

X **Forensic Science #263** **Grade 12** **Full year** **1 credit**

Prerequisite: *An 80% Average in Science Classes*

Forensic Science course is the application of scientific knowledge to questions of civil and criminal law. This course will emphasize forensic science as applied to criminal law which is termed criminalistics. The course is a lab-based, hands-on course that will explore what forensic scientists do. The student will learn modern forensic methods and use scientific methods to solve legal problems. The focus will be on collection and analysis of crime scene evidence (such as serology, toxicology, pathology, anthropology, entomology, odontology, and trace evidence), and explore lab analysis techniques, (such as chromatography, DNA analysis, fingerprinting, and hair and footprint analysis). Forensic scientists are also required to testify in court about their methods and analysis of evidence. There will be a two-period lab each cycle.

Technology Electives

X **∩** AP Computer Science A- Java #140 **Grade 12** **Full year** **1 credit**

Prerequisite: #142 Computer Science or Average Falls in Top 50% in Math Classes & Passing Score on Algebra I and Algebra II Regents Exams

In this computer science course, you will learn the basics of programming in the Java language, and cover topics relevant to the AP Computer Science A course and exam. This course includes a broad view of computer operation, the global impact of computing, and then introduces Java programming concepts including variables, selection and object-oriented design. Students in this course **MUST** take the **Advancement Placement Computer Science A Exam**.

X **Introduction to Computer Science #154** **Grade 11-12** **Half year** **½ credit**

This course is intended to serve as an introduction to computer programming. This course will follow the historical and logical development of programming complexity, the assembly process, compilation, and character representation. It will leave the student with an understanding of what computers do, how they work, and the ability to communicate with them using the programming language, Python.

Mathematics

X Algebra I #112 **Grade 9** **Full year** **1 credit**

This course covers the topics of Common Core Algebra. These include basic properties and concepts; writing, solving and graphing linear and inequalities equations, exploring rational and irrational numbers, quadratic equations, factoring, polynomial operations, proportions, probability, statistics, and scatter plots. The student Must take the **Algebra I Regents Exam** upon completion of this course.

X √ Honors Algebra I #114 **Grade 9** **Full year** **1 credit**

Prerequisite: *Departmental Approval based off TACHS exam and Placement Test*

This course is for those students chosen by the Math Department who are mathematically stronger. It will cover in depth the material of the Algebra I #112 at a more rapid pace and include more challenging exercises. The student Must take the **Algebra I Regents Exam** upon completion of this course.

X Geometry #122 **Grade 10** **Full year** **1 credit**

Prerequisite: *Algebra I*

This course covers Common Core geometry topics. These include lines and angles, congruence, parallelism, similarity, properties of triangles and quadrilaterals, area and perimeter of various polygons, locus, circles, transformations, space measurement, coordinate geometry, trigonometric functions, basic proofs and reasoning patterns. The student Must take the **Geometry Regents Exam** upon completion of this course.

X √ Honors Geometry #124 **Grade 10** **Full year** **1 credit**

Prerequisite: *A minimum of 85% on the Algebra I Regents.*

This course is for those students who are mathematically stronger. Recommendation from your present teacher is required. It will cover in depth the material of the the Geometry #122 course at a more rapid pace and include more challenging exercises. The student Must take the **Geometry Regents Exam** upon completion of this course.

X Algebra II #133 **Grade 11** **Full year** **1 credit**

Prerequisite: *Geometry #122 or Honors Geometry #124.*

This course includes topics in probability, statistics, matrices, functions, linear systems, quadratic relations, conic sections, and logarithmic functions. This course prepares the students for the Algebra II Regents Exam (not required of all students) taken in June for those who want to complete the Mathematics component of the Advanced Regents diploma.

X √ Honors Algebra II #134 **Grade 11** **Full year** **1 credit**

Prerequisite: *A minimum of 85% average on the Algebra I and Geometry Regents*

Fine Arts

Freshmen Fine Art Requirement Students sign up for one semester each of Studio Art #710 and Music Appreciation #712.

Studio Art I #710 **Grade 9** **Half year** **½ credit**

Studio Art students will gain a basic understanding of the elements and principles of art through a “hands-on” experience in drawing and painting. The students will use various media: pencil, watercolor and tempera paint. They will produce a variety of works in these media. Perspective, still life, figure drawing, cartoon works, color designs are some of the topics covered in this course as well as art history. **An ART FEE is required for consumable materials.**

Music Appreciation #712 **Grade 9** **Half year** **½ credit**

Music Appreciation has a heavy emphasis is placed on listening to music. Music appreciation encompasses all styles of music from hip-hop to classical to rock to jazz. We will talk about common instruments as well as instruments the students may not know. Basic music terminology such as rhythm, beat, melody, monophonic, polyphonic, sample and cover will be incorporated into the students’ vocabulary.

Junior Fine Art Requirement: Students sign up for one semester each of Art History #737 and Film Studies #738 or can apply for the one of the advanced art classes electives.

Art History #737 **Grade 11** **Half Year** **¼ credit**

This course is designed to lead students through an examination of works of art from diverse cultures and time periods. Students analyze works of art in their contexts, considering issues of patronage, gender, politics, religion, and ethnicity. The interpretation of the work of art is based upon its intended use, audience, and the role of the artist and the work of art in its particular society. Students will expand their knowledge of history, geography, politics, religion, languages, and literature, as they explore the story of people as told through the art they created.

Film Studies #738 **Grade 11** **Half Year** **¼ credit**

Film Studies will focus on the History of the Motion Picture from an American and European perspective, beginning with the late 1800's. Students will learn to critique and analyze films from a critical and historical viewpoint. Genre, cinematography, silent films, and extensive research will be involved. Reading a script and understanding the process of making the film will also be incorporated. A research paper, an oral presentation and the development of your own film projects are required.

Fine Arts Electives

Drawing and Painting #730 **Grade 11-12** **Full year** **½ credit**

Prerequisite: *Portfolio Approval by Art Teacher*

This is a follow up of Studio Art. Emphasis is on developing and strengthening drawing skills (1st semester) using a variety of methods and materials. Students will use pencil, charcoal, pen and ink, pastels, still life, landscape, perspective as well as portrait and figure studies. Study of the Masters will accompany each unit. The second semester will be devoted to the exploratory experiences of painting.

way as a major legacy of United States pop culture. Students will be given an overview of how plays and musicals are structured, examine key plays and musicals with an eye on the importance of dialog interpretation, acting, and set design. Students will participate in dramatic readings, scene reenactment, and analysis to explore how artists come to create a character. Lastly, we will examine the different career opportunities that are found in the world of the theater.

Advanced Studio Art #740**Grade 12****Full year****½ credit**

Prerequisite: *Portfolio Approval by Art Teacher*

This advanced art class is designed for senior level students seeking to create and refine a portfolio for art school. A flexible curriculum allows for students to create and refine works which suit their personal goals and needs as future art professionals. Students will work with various media including pen and ink, charcoal, sculpting materials as needed to enhance their personal goals and needs. **An ART FEE is required for consumable materials.**

Introductory Band #748:**Full year****½ credit**

Prerequisite: *Audition with Music Teacher*

Introductory Band is a course that will be offered during the school day. It is a collaborative space focused on sharing music and beginning to learn the basics of forming a band. We work together to create a unique list of songs that will be explored in depth and learned on our respective instruments throughout the semester. The goal of this class is to be able to walk away with a greater knowledge of music in general, an expanded appreciation of varying bands/styles of music, and an increased repertoire of skills and songs you can play. Intro Band members are encouraged to join Advanced Band once they feel comfortable and are encouraged to participate in NYSSMA at an introductory level.

Advanced Band #749:**Full year****½ credit**

Prerequisite: *Audition with Music Teacher*

Advanced Band is a course that will be offered during the school day. This band will focus on mastering an agreed upon repertoire of music to a performance level. We will also expand our knowledge of music theory, and our respective instruments to enable each student to be able to successfully learn new music on their own as they continue on as musicians. Advanced concepts will be explored in a collaborative and explorative space and are encouraged to participate in NYSSMA. This band will also perform at STEAM club events, school wide events, school liturgies and musical theater shows.

Chorus #751: For scheduling purposes students sign up for this class.

Full year**½ credit**

Prerequisite: *Audition with Chorus Teacher*

Chorus is for both male and female students interested in vocal music performance. The following musical skills for choral singing will be stressed: proper breathing, pleasant vocal production, blend and balance, expansion of range, good intonation, ear training, and sight-reading. Participation in various performances is a requirement of the class. School Liturgies, out-of-school performances, talent shows, musical drama productions are a few of the activities which become part of the course grade. These activities are integral elements that support and extend learning in the classroom. Homework will vary with the individual.

Physical Education

Physical Education I #810	Grade 9	Full year	½ credit
Physical Education II #820	Grade 10	Full year	½ credit
Physical Education III #830	Grade 11	Full year	½ credit
Physical Education IV #840	Grade 12	Full year	½ credit

All students must take Physical Education for four years unless medically excused. The curriculum in Physical Education is designed to assist students to:

- develop physical efficiency, endurance, speed, agility, balance, accuracy, and strength.
- increase skill level in and appreciation of team and individual sports, and lifetime recreational activities.
- convey the concepts of good sportsmanship, responsibility, cooperation, and discipline.
- emphasize the qualities of leadership, confidence, respect, courtesy, honesty, and enthusiasm.

X Health Education #850	Grade 10	Full year	½ credit
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Health Education, in addition to supplying factual knowledge, attempts to aid the student in recognizing and understanding health problems. It also encourages the student to research for the solution to these problems with the aid of the various health agencies whose objectives are to promote healthful living. The goals of health education are to develop good mental and physical health habits, to gain an understanding of the problems of physical and mental growth, to develop a responsibility toward community health, and family, and to discover an appreciation of the value of a healthful mind in a sound body.