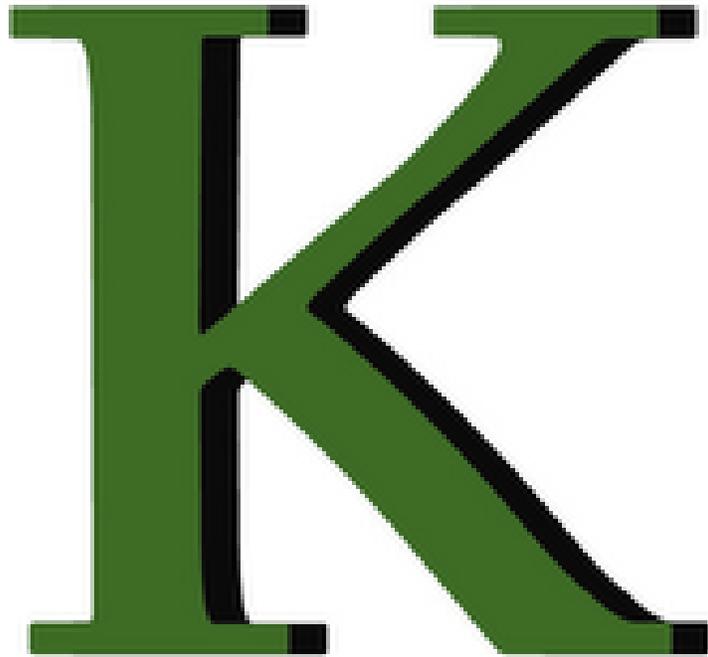


**Bishop Kearney
High School
Course
Catalogue**



The Kearney Experience

College preparation, 21st Century workplace habits and the values of justice and charity are the hallmarks of the Kearney Experience. In the Sisters of St. Joseph tradition, Kearney women challenge themselves to be independent thinkers and leaders in changing the world for the better. Courses are designed to not only lead to Advanced Regents Diplomas, but also to offer opportunities to work in teams on projects that respond to social needs and build entrepreneurship skills. Students engage in service projects throughout the four years. Co-curricular clubs and sports teams further personal and professional growth and development. Student Support Services provide academic, college and personal guidance throughout the four years.

STEAM (Science, Technology, Arts and Mathematics) crosses disciplines and offers opportunities for students to manufacture art and artifacts using the 3-D printer, the vinyl cutter and other tools in the FabLab (Fabrications Laboratory). WBKS, the student-run TV program in partnership with Fox News, offers students both course and club experience in broadcast journalism. Digital Art and Introduction to Fab Lab offer hands on experiences. The Virtual Reality room allows students to virtually dissect and explore projections of the human body in Anatomy. The Think Tank provides space for teams to work on projects. All the STEAM rooms and tools are available to all teachers and students to support project-based learning across the curriculum.

College Courses, Advanced Placement and Majors are available in all content areas including English, Social Studies, Mathematics, Science, World Languages, Art and Music. Partnerships with St. Joseph's College and St. John's University open the doors for students to earn college credit.

The Kearney Experience is completed with grounding in scripture, theology and comparative religion, Christian service and guidance.

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ACADEMIC POLICIES

Requirements for the Bishop Kearney - NYS Regents Diploma

Catholic Studies	2 credits	
English	4 credits	English Regents
Social Studies	4 credits*	Global II and US History Regents
<i>*Global I (1), Global II (1), US History (1), Economics (0.5), Participation in Government (0.5)</i>		
Science	3 credits	1 Science Regents
Mathematics	3 credits	1 Math Regents
Foreign Language	2 credits	
Art, Music & Technology	1.5 credit	
Health	0.5 credit	
Physical Education	2 credits	
Electives	1.5 credits	

TOTAL CREDITS.....23.5 credits

(REGENTS EXAMS require a passing grade of 65 or higher)

ADDITIONAL REQUIREMENTS

Christian Service 90 Hours Minimum

For an Advanced Regents Diploma students must complete all requirements above for a Regents Diploma, plus the following:

- Pass all three Math Regents Exams: Integrated Algebra Regents, Geometry Regents, and Algebra2/Trigonometry/CC Regents
- Pass a total of TWO Science Regents Exams: Living Environment Regents and Chemistry, Earth Science OR Physics Regents
- THREE credits in Foreign Language, plus three-year comprehensive Foreign Language examination

For an Advanced Regents Diploma with Honors –The average of all Regents exam grades required for an Advanced Regents Diploma must be 90% or above.

CATHOLIC STUDIES

“We believe in a world of justice and union with God and one another.”

-Sisters of St. Joseph

The Catholic Studies Department makes a unique contribution to Kearney's identity as a Catholic school. Throughout the four year course of study, the Kearney student is exposed to scripture, tradition of the Catholic Church, the challenge of the call to discipleship and witness in the world today. Campus Ministry provides opportunities for communal prayer and liturgies throughout the year where the spiritual life is developed and nurtured. Through service, students come to recognize the difference each individual makes in the world and has the opportunity to develop and grow in sharing their gifts both in the Kearney community and beyond.

Religion 9

The Living Word: *Revelation of God's Love - Jesus Christ: God's Love Made Visible*

The Living Word provides an introduction to the Sacred Scriptures and to the unfolding of salvation history, with a particular focus on Jesus Christ as the fulfillment of salvation history. Revelation, both Divine and natural, is explored, as are inspiration, interpretation, and exegesis. Recognizing the rich tradition of the Sisters of St. Joseph, founded in 1650, we will explore the Charism of the community, *“Love of God and neighbor without distinction.”*

In *Jesus Christ: God's Love Made Visible* the students encounter Jesus Christ, the Second Person of the Trinity. This course leads the students toward a deeper understanding of Divine Revelation, the Trinity, the Incarnation, Jesus, salvation, and discipleship as a response to God's love. Exploring the seven sacraments as encounters with Christ, the students will come to understand the Sacraments of Initiation, Healing and Service.

Religion 10

The Paschal Mystery: *Christ's Mission of Salvation –*

The Sacraments: *Encounters with Christ*

The goodness of creation, Original Sin, and the promise of a messiah are the starting points for this course, which explores our salvation through the Paschal Mystery. The students encounter the mystery and glory of the suffering, death, Resurrection, and Ascension of Jesus Christ. The course also explores how the Paschal Mystery informs our daily lives, our prayer, and our participation in the life of the Church.

The Sacraments: Encounters with Christ provides an opportunity to encounter Christ in a full and real way. The focus of this course is to help the students learn about the Seven Sacraments, especially the Eucharist, in order to enable them to more fully participate in them. The course also explores the history, scriptural foundation, and current practices of the sacraments.

Religion 11

The Church: Christ in the World Today

Students are guided in exploring and understanding the Catholic Church, as well as its origin, structure, and mission. Additionally, the course addresses the roles of the hierarchy, those in religious life, and the laity in supporting the mission of the Church. Particular attention is paid to the global presence of the Church as a light to all people. Special attention will be given to recognizing women of the Church and their contributions to the Church and society.

Morality

I can – but should I?

How do conscience, freedom, moral development and fundamental options influence our choices? Contemporary issues are used to exemplify ethical and moral dilemmas. Students will grapple with models of morally challenging situations and asked to evaluate actions adopted by those the situations presented in light of Christian teachings. Students will examine personal situations and determine their choices.

Religion 12 Semester One

Women, Sexuality and Relationships

To commit or not to commit...

Who are we as spiritual women in the Catholic tradition? First, we examine the beginnings of stereotypes and the role of women and marriage in society and in the Church from ancient times to the present. Then, the power of love, understanding, dating, compatibility, and the nature and intimacy of being in love in a marriage are examined in a Christian spiritual context. Key concepts of communication, affection, and sexual intimacy will be discussed. Students will examine current teaching on human sexuality, birth control, marriage and divorce and consider moral and ethical choices. Readings from encyclicals, theologians and scholars will be considered.

Religion 12 Semester Two

Christian Justice / Catholic Social Teaching

What is my responsibility to others, to the environment?

Beginning with key themes of Catholic social justice from the gospels to the encyclicals to the current debates within the Catholic community, students will tackle questions and offer faith-based responses to particular issues, such as, the right to life, racism, poverty, war and the environment. What is the role of law and how is that different from belief? Students return to and expand upon morality as studied in junior year.

College Course (May substitute for Religion 12 Semester Two)

Faith: Belief and Unbelief (Honors)

Faith is a college level theology/philosophy course through which students will discover the evolution of thought about God. Readings for the course will include Catholic and Protestant works that will help the student to uncover God's revelation to humanity throughout history as well as delving into her own personal faith journey. The chief text for the course *Women, Earth and Creator Spirit* by S. Elizabeth Johnson C.S.J. acts as a jumping off point to encounter such thinkers as Plato, St. Thomas Aquinas, St. Anselm, Decartes, Pascal, Hegel, the Christian existentialist Søren Kierkegaard and the atheist existentialist Friedrich Nietzsche.

A student may earn 3 college credits from **St. Joseph's College** for this course. **Departmental approval required.**

ENGLISH

“I would venture to guess that Anon, who wrote so many poems without signing them, was often a woman.”

-Virginia Woolf

Today's world demands that students be articulate, literate and creative problem solvers. The English Language Arts curriculum emphasizes critical thinking and culminates in the opportunity to sit for two Advanced Placement English exams.

Following the direction of the New York State Board of Regents, students in all courses are challenged to meet the new Common Core Learning Standards for English Language Arts. Beginning with a humanities-based program approach in conjunction with the Social Studies Department, students begin their course of study by reading closely from a wide range of contemporary and traditional literature. They continue to study world, British and American literatures and are expected to read broadly and write critically throughout their four years. Students complete Standards-aligned assignments and evidence mastery of the commencement-level skills required for college and career readiness.

Students in AP English may earn college credit through the Bridge Program, a fully accredited program with St. Joseph's College.

English 9

Interdisciplinary in nature, this course aligns with the curriculum of the Social Studies Department. The content is intended to foster a climate of inquiry that encourages students to be active learners, creative writers and critical thinkers. Students will be introduced to literary genres and library skills as well as essay writing and introduction to research. Selected poems, short stories, essays, novels, plays, and works of nonfiction will be studied for both comprehension and for the authors' use of language.

English 9 (Honors)

The student's creativity and critical thinking are further developed through various forms of self-expression in writing, speech activities, and group projects. In addition to the academic content of English 9, this course requires more in-depth analysis of the works studied. Students will also engage with a wider range of literary materials.

English 10

This course is a survey of British literature from the Anglo-Saxon Period to the present. The content will treat chronologically the major periods and will include works from all literary genres. Selected works will be studied in and of themselves and in light of the historical era in which they were written. Additionally, the course will seek to develop, in depth, the skill of connection as students work to draw comparisons thematically between genres. The course will build upon the climate of inquiry established in the previous year of English.

English 10 (Honors)

In addition to the academic content of course #1200, this course will seek to develop the student's creativity and critical thinking through a more in-depth analysis of the works studied. Students will cover a wider range of literary material.

Departmental Approval required

English 11

This course is a survey of American literature from Colonial Times to the present. The content will treat chronologically the major periods, covering all literary genres. Selected works will be studied in and of themselves and in light of the historical era in which they were written. Additionally, the course will seek to develop, in depth, the skill of connection as students work to draw comparisons thematically between genres. This course will build upon the climate of inquiry fostered in the previous two years of English.

***NYS REGENTS REQUIRED**

Advanced Placement English: Language and Composition Grade 11

This is a college-level introductory course in English that explores how writers use word to convey meaning. Course topics include the elements of rhetoric, style, argument, persuasion and literary techniques. Students will analyze passages and use the skill of synthesis to connect themes and points of view. All students in this course must take the AP Examination.

Departmental Approval

English 12: Fall Semester Literature of Conscience

This course provides an overview of the literature that is produced by the clash between individual conscience and society. It will concern itself with contemporary issues which have not yet been resolved, e.g., racism and sexism, among others. The aim of this course is to emphasize the relationship between literature and life, showing literature to be both a comment on society and a call to action.

English 12: Spring Semester Literature of New Beginnings

Recognizing that senior year is a journey of farewells and many new beginnings, this course explores the various ways authors make meaning of endings and beginnings. Widely varied literature selections and films will be analyzed in order to enable students to share writers' and artists' attempts to understand the human experiences encountered during difficult but necessary steps forward in life.

**Advanced Placement English:
Literature and Composition Grade 12**

This is a college-level introductory course in English, focused around narrative fiction, poetry, and drama. Students will engage in the careful reading of literary works and the analysis of these works. All students in this course must take the AP Examination.

Prerequisites: 90% or above for 3 years in English **Departmental Approval**

*Students may earn 3 college credits from **St. Joseph's College** for this course.

Broadcast Production and Journalism*

Designed to provide students with a strong base in media, this class includes writing, videography, broadcasting, and public speaking. Students develop the skills necessary to run a news broadcast and will practice interviewing, camera work, photography, and production. Students will use city, U.S. and world news as a platform for research and in-depth news production. They use editing software to create creative videos on a variety of topics, including PSAs and film shorts. This class is supplemented by the WBKS club and offers opportunities to partner with Fox News and local production teams for real-world, professional experience.

***See also STEAM**

SOCIAL STUDIES

“We realize the importance of our voices only when we are silenced.”

— Malala Yousafzai

Bishop Kearney’s Social Studies Department integrates research and writing skills throughout the curriculum. On a daily basis, students learn to assess and evaluate a variety of primary and secondary sources both online and in text in an effort to master how to evaluate their validity both in terms of their historical framework and their importance in our world today.

The Social Studies Department offers Advanced Placement and college accredited courses, courses within the New York State curriculum, and electives to meet the needs and interests of our students on various levels. Some special features include:

Students have the opportunity to take Advanced Placement United States History as juniors and additional Advanced Placement Social Studies courses as Seniors.

W!SE Financial Literacy Certification: Every Senior receives instruction in real-world Finance topics, such as, budgeting, banking, credit, insurance, investing, financial planning, and retirement planning. Study culminates with all students sitting for a nationally standardized exam that enables them to earn W!SE Certification in Financial Literacy.

Global Studies I

This is an integrated course studying the ancient world, classical civilizations and significant revolutions. This first-year study of Global History and Geography will focus on these civilizations from earliest times through the 19th Century. Emphasis will be placed on the use of primary materials and historical interpretation of these materials.

Global Studies I (Honors)

This is an accelerated course designed to provide an in-depth study of various cultures and civilizations, beginning with Ancient societies, such as the Egyptians, the Greeks and the Romans. It will continue with the transitional periods of the Renaissance and Reformation and conclude in the early 20th Century. Emphasis will be placed on the use of primary materials, historical interpretation and independent study.

Prerequisite: 90 or above unweighted average, solid writing skills and **Departmental Approval**

Global Studies II (Regents)

The 20th century is a time of rapid change and growing global interdependence. Two world wars, revolution and changing borders reflect a period of nationalism and the subsequent development of a European union. Students will address the themes of industrialization, nationalism, imperialism, conflict, effects of technology, and interdependence. Primary sources and historical interpretation will be emphasized.

Global Studies II (Honors)*

This course continues the study of developments across the continents, including current global problems. Students will be required to take the Global Studies Regents in January and then begin their study of American History in the context of related and parallel historical developments around the world. This study of American History in a global context will serve toward building the knowledge base required for successful performance on the Advanced Placement United States History examination, which will be completed in the Junior year, along with the United States History Regents. As the legacy of Imperialism has affected the history of many nations, so too has Imperialism shaped the future United States. Accordingly, post-Regents study will include the Colonial Period to the Civil War and the continuing battle between ideologies. Emphasis will be placed on the use of primary source materials, historical interpretation and independent study. ***REGENTS REQUIRED**

***Prerequisites:** 90 or above unweighted average, solid writing skills and **Departmental Approval**

United States History (Regents)

The multifaceted history of the United States is presented with an emphasis on the study of the Constitution. Our framework of government will be studied in detail, including the requirements and duties of each of the major branches of government. The study of such periods as the Civil War, Progressive Era, FDR's administration, and the Warren Court shows us that the writers of the Constitution indeed gave us a framework of government that could change and endure the test of time. In preparation for the NYS Regents, the students will discuss numerous court cases that help to show what role the f global developments with developments in Latin and South America and the Middle East added to the areas studied during the previous year. Emphasis is placed on how 19th Century Imperialism and Nationalism affect the world in the 20th and 21st Centuries. Developing nations, ideological conflicts, and current global problems facing all nations are examined. Government has taken in business, our culture and values, everyday life and personal freedoms. This course integrates social, political and economic developments and examines how these have affected our domestic and foreign policies. ***REGENTS REQUIRED.**

Advanced Placement United States History

This section of the American Studies course is an in-depth study of the growth of our nation. It is taught on a college level. Political, social and economic developments are studied through the use of primary source materials and examination of a variety of historical interpretations. All students taking this course **must** take the AP Examination. ***REGENTS REQUIRED**

Prerequisites: 90 or above unweighted average in Social Studies, solid writing skills and **Departmental Approval**

*A student may earn 6 college credits from **St. Joseph's College**.

Economics

This course provides students with a greater understanding of economics, ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics and encourages students to thoroughly examine the factors that influence the financial decisions we all must make.

*This course includes participation in the **W!SE Financial Literacy Certification Program**. Students who pass the nationally standardized Financial Literacy Certification Exam earn a widely recognized certificate.

Participation in Government

In this course, students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American Government. In addition, they draw on their studies of World and American History and Geography to compare differences and similarities in world governmental systems today. This course is the culmination of history/social sciences classes and prepares students to formulate thoughtful stances on society's problems, to understand and to participate in the governmental process, and to be responsible citizens of the United States and the world.

Advanced Placement Psychology

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

***AP EXAMINATION REQUIRED.**

Prerequisites: 90 or above unweighted average, solid writing skills and **Departmental Approval**

US Government and Economics

Replacing Participation in Government and Economics, U.S. Government and Economics introduces key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. This course prepares students to formulate thoughtful stances on society's problems, to understand and to participate in the governmental process, and to be responsible citizens of the United States and the world. In addition, students will master the principles of economics as they operate within the U.S. from consumer to the global economy.

*This course includes participation in the **W!SE Financial Literacy Certification Program**. Students who pass the nationally standardized Financial Literacy Certification Exam earn a widely recognized certificate.

MATHEMATICS

*“I felt most proud of the success of the Apollo mission.
They were going to the moon, and I computed the path to get there.”*

-- Katherine Johnson, NASA Mathematician

The Mathematics Department has structured its curriculum to prepare students for success in college and careers in the 21st Century global economy. Students in all courses are challenged to meet the New York State Common Core Learning Standards for Mathematics and assessments and projects are aligned to these standards to ensure that our students demonstrate college and career readiness at the culmination of their 4-year study of Mathematics. Electives include statistics, Pre-Calculus and Advanced Placement Calculus and students in AP Calculus may earn college credit through the Bridge Program, a fully accredited program with St. Joseph's College.

Note: TI-84 Plus Graphing Calculators are required in all Mathematics courses.

Algebra 1

The first course in the New York State High School Math Curriculum, the focal point is functions; specifically, linear, quadratic and exponential functions. Students develop skills, processes and techniques that will be applied to a variety of settings as students solve problems analytically, graphically and verbally. Students develop proficiency in the following conceptual categories: number and quantity, algebra, functions, statistics and probability. In line with the NYS Standards for Mathematical Practice, students also develop proficiencies in areas such as making sense of problems in real world contexts and persevering in solving them. Students wishing to earn Honors credit will be given opportunities to demonstrate deeper understandings such as to recognize and clarify mathematical structures that are embedded in other contexts, formulate problems in mathematical terms, use mathematical strategies to reach solutions, and interpret solutions in the context of the original problem.

REGENTS REQUIRED

Geometry

This is the second course in the New York State High School Math Curriculum. Students identify, justify, prove and apply geometric relationships. Euclidean and Coordinate Geometry proofs are introduced formally and informally. Topics students study include congruence, similarity, geometric constructions, trigonometric ratios, circles and locus. Students wishing to earn Honors credit will be given opportunities to demonstrate deeper understandings and complete more extensive and rigorous proofs. They will be expected to reason abstractly and quantitatively, applying geometric relationships to various situations and applying geometric concepts in modeling situations.

***REGENTS REQUIRED**

Geometry (Honors)

This course includes more extensive and rigorous proofs and applications. Students reason abstractly and quantitatively, applying geometric relationships to various situations. They make formal geometric constructions with a variety of tools and methods such as compass and straightedge, string and paper folding. Applying geometric concepts in modeling situations is an integral part of this course. Pursuing conceptual understanding of both Euclidean and Coordinate Geometry Proof through rigor and procedural skills is also addressed.

***REGENTS REQUIRED**

Prerequisites: Algebra 1 and Departmental Approval

Algebra 2

This course is the third course in the New York State High School Math Curriculum. Students more deeply investigate functions and explore, in formal and informal settings, how they are the building blocks of mathematics. Topics students will study include trigonometric, exponential and logarithmic functions and graphs, complex numbers, and probability and statistics. Students also investigate the structure of algebraic expressions and transform them in ways that reveal meaning through problem solving.

***REGENTS REQUIRED**

Prerequisite: Algebra 1

Algebra 2 (Honors)

Students extend their exploration of the topics in Algebra 2. They model various phenomena and experiment with algebraic objects, thus reducing the need for complex computations. This course prepares students for a transition into the study of Calculus.

*** REGENTS REQUIRED**

Prerequisites: Algebra 1 and Departmental Approval

Pre-Calculus

In this course, students examine various topics in Mathematics, including advanced algebra, conic sections, vectors, determinants, matrices, functions, limits, and derivatives. Students will deepen their understandings, using the TI-84 graphing calculator, broadly throughout the course.

Prerequisites: Algebra 2 and Departmental Approval

Pre-Calculus (Honors)

This course builds the foundational skills necessary for the future study of Calculus. Emphasis is placed on areas related to Calculus, such as functions, limits, curve sketching, derivatives and related rates. During the spring semester, Advanced Placement Calculus content is introduced.

Prerequisites: Algebra 2, Math average of 95 or above - OR – Algebra 2 Honors and Math average of 85 or above and Departmental Approval

Statistics (Math 12)

In this introductory course, students develop concepts intuitively using examples from real world situations in fields, such as, biology, business, economics, education, psychology and medicine. Students learn the vocabulary, symbols, concepts, and procedures used in statistical studies and will be able to summarize data, draw conclusions, and make reliable predictions based on controlled experiments and survey results.

Prerequisites: Open to seniors who have completed Algebra 2 with Departmental Approval

Advanced Placement Calculus*

This course includes a study of the following types of functions: polynomial, trigonometric, exponential, logarithmic; their inverses; derivatives; integrals; and graphs applications to area, volume, velocity and acceleration. All students taking this course must take the AP Examination.

Prerequisites: Algebra, Geometry and Algebra 2, math average of 85 or over and Departmental Approval

***Note: Students may earn 8 College credits from St. Joseph's College.**

SCIENCE

*For whatever reason, I didn't succumb to the stereotype that science wasn't for girls.
I got encouragement from my parents. I never ran into a teacher or counselor
who told me that science was for boys. A lot of my friends did.*

--Sally Ride

The Science Department has structured its course offerings to meet the needs and interests of all Kearney Students. Through extended Lab time and Vernier digital lab equipment and data-collection software, students actively engage in intensive hands-on, STEAM-focused learning so that they may greet the technological challenges of the Twenty-First Century with skill and confidence. Students who plan to pursue careers in medicine, pharmacy, engineering or scientific research have the opportunity to study several Advanced Placement and college-accredited courses including Anatomy & Physiology, Advanced Biology and Advanced Placement Chemistry

For students specifically pursuing careers in Medicine, we also offer internships and job shadowing opportunities with Doctors-On-Call and other select partners at Calko Medical Center, which is immediately adjacent to our campus.

Living Environment

An Inquiry into the Nature of Life

An introduction to the biological sciences, students study topics such as cellular organization, comparative life functions, human structure and function, reproduction, genetics, evolution, and ecology. This course follows the New York State Syllabus for Living Environment and satisfies all the requirements of subject matter and Laboratory experiences necessary for Regents credit. Students wishing to earn Honors credit will be given opportunities to demonstrate deeper understandings and complete advanced independent projects, supplementary readings and research will enrich the learning experience.

***REGENTS REQUIRED.**

Anatomy and Physiology*

Enhanced by virtual reality software and equipment to allow virtual dissection and examination of human systems, students are introduced to anatomical terminology, the levels of organization, and the basic cellular and organic functions associated with the maintenance and perpetuation of life with an emphasis on human systems. Further insights into the biological operations of the body and exploration of how the human body is affected by disease are also studied. Students conduct laboratory exercises in the following fields: pathology, histology, circulation, transport, sensory perception, neuromuscular activity.

Prerequisites: 3 years of Regents Science **Departmental Approval**

*Students may earn 6 college credits from **St. John's University**.

A score of 1,000 combined on the Verbal and Math portions of the SAT or a score of 100 on the PSAT, as well as an 85+ GPA for Juniors or 80+ GPA for Seniors is required to apply for SJU college credits.

Advanced Biology

Fundamentals of Biology II: Introduction to Cell and Molecular Biology

Students must take both semesters.

Core principles governing the activities of living organisms at the molecular and cellular levels are studied in depth.

Fundamentals of Biology III: Introduction to Organismic Biology

Core principles of physiological function and developmental processes are studied in depth.

Prerequisites: 3 years of Regents Science, including Living Environment, Chemistry and Physics and 85% or above in Chemistry Departmental Approval

***NOTE: Students may earn 8 college credits from St. John's University.**

A score of 1,000 combined on the Verbal and Math portions of the SAT or a score of 100 on the PSAT, as well as an 85+ GPA for Juniors or 80+ GPA for Seniors is required to apply for SJU college credits.

Physical Setting: Chemistry

Students explore the study of theoretical chemistry. Designed to instill a knowledge of chemistry's principles, laws, and concepts, topics include matter and energy, atomic structure, bonding, equilibrium, acid-base theories, redox and electrochemistry and organic chemistry. This course follows the New York State Syllabus for Chemistry and satisfies all the requirements of subject matter and laboratory experiences necessary for Regents credit.

REGENTS REQUIRED

Prerequisites: one year of science

Physical Setting: Chemistry (Honors)

A Dynamic Exploration

Advanced, independent research and laboratory work enrich the learning experience as students study theoretical chemistry as described above. Laboratory experiences are necessary for Regents credit.

REGENTS REQUIRED

Prerequisites: Living Environment and Chemistry Regents and Geometry or Algebra 2.

Advanced Placement Chemistry

This is a full-year course in the principles of Chemistry for students who have an interest in the biological sciences, physical sciences, or engineering. AP Chemistry is designed to be equivalent to the general chemistry course usually taken during the first college year. The course topics include stoichiometry; properties of solids, liquids, gases and solutions; chemical equilibrium, chemical thermodynamics, atomic and molecular structure; chemical kinetics, periodic properties; and descriptive chemistry of the elements.

Prerequisites: Three years of Regents science including Living Environment, Chemistry and Physics. Successful completion of Algebra and a score of 1,000 on the SAT. Departmental Approval

Physical Setting: Physics (Honors)

Students explore a modern view of physics in terms of the two fundamental concepts: Matter and Energy. Topics studied include: Mechanics, Wave Motion, Heat, Light, Sound, Electricity, Magnetism and Nuclear Physics. The Conservation laws are emphasized. Regents required laboratory experiences as well as advanced independent research enrich the learning experience.

***REGENTS REQUIRED.**

Prerequisites: Living Environment and Chemistry Regents and Geometry or Algebra 2.

Departmental Approval

Co-requisite: Algebra 2

Health: The Quality of Life

This course includes a comprehensive spectrum of health-related topics. The fundamental goal is for students to understand the processes and attitudes required to maintain a high level of physical, emotional, psychological, social and intellectual health.

***This is a New York State required course. See also Physical Education.**

WORLD LANGUAGES

“Learning another language is not only learning different words for the same things,
but learning another way to think about things.”

– Flora Lewis

Our Language Department affords its students the opportunity to study four years of a modern language, including college level. Many students opt to study a second world language as Juniors and Seniors via live and online courses. College-level courses are offered in Italian and Spanish, and students may earn 6 undergraduate credits from St. Joseph's College. In an ever-shrinking world and job market, a Kearney graduate with the ability to communicate in more than one language will find her job choices wider than most others. The Department offers a travel/study program to Europe. Students are given assignments to complete before and during the trip and earn school credit upon successful completion of the assignments.

To reinforce the students' skills in communication in the target languages, the World Language Department at Bishop Kearney High School develops *Speaking* and *Auditory* skills, as well as, *Reading* and *Writing* skills through various activities both in group settings and in individual tasks.

Spanish 9

This is a beginning course in the study of Spanish language. The four language skills of listening, speaking, reading and writing are emphasized and practiced according to the Common Core Curriculum. Basic grammar topics are explained and practiced through the four skills. Spanish and Hispanic geography, culture and history will be introduced. Students with an A average in this course will be invited to participate in the National Spanish Examination, sponsored by AATSP, the American Association of Teachers of Spanish and Portuguese.

Spanish 10

This course continues the study of Spanish language begun in Spanish 9. Intermediate grammar topics will be taught and practiced through the four language skills according to the Common Core Curriculum. Spanish and Hispanic geography, culture and history will be studied in more depth. Students with an A average in this course will be invited to take the National Spanish Examination.

Prerequisite: Spanish 9 or the equivalent

Spanish 11

This course continues the study of Spanish language taken in Spanish 10. Broader development of the four language skills is emphasized according to the Common Core Curriculum. Students will explore and practice more advanced grammatical structures and will be required to participate in discussions in the Spanish language. Reading selections in Spanish are cultural in nature. Writing assignments will take the form of directed composition. Students with an A average in the course will be invited to take the National Spanish Examination. Students will also be highly encouraged to take the SAT II in Spanish.

***REGENTS REQUIRED**

Prerequisite: Spanish 9 and 10 or equivalent

Italian 9

This is a beginning course in the study of the Italian language. The four language skills, listening, speaking, reading and writing are emphasized and practiced. Basic grammar topics are explained and practiced through the four language skills. The geography, history and culture of Italy will be introduced. Students with an A average in this course will be invited to participate in the National Italian Examination, sponsored by AATI, the American Association of Teachers of Italian.

Italian 10

This course continues the study of Italian language begun in Italian 9. Intermediate grammar topics will be taught and practiced through the four language skills. The geography, culture and history of Italy will be studied in more depth. Students with an A average in this course will be invited to take the National Italian Examination.

Prerequisite: Italian 9 or equivalent

Italian 11

This course continues the study of Italian language taken in Italian 10. Broader development of the four language skills is emphasized. Students will explore and practice more advanced grammatical structures and will be required to be involved in discussions in the Italian language. Reading selections in Italian are cultural in nature. Writing assignments will take the form of directed composition. Students with an A average in the course will be invited to take the National Italian Examination. Students will also be highly encouraged to take the SAT II in Italian. ***REGENTS REQUIRED**

Mandarin

Mandarin forms the basis for Modern Standard Chinese. Students have the opportunity to study basic Mandarin for business application and conversation. This is a one-year course elective. It may be possible for native speakers of Mandarin or Cantonese to sit for the state-approved LOTE examination.

Travel Study: Europe

This course provides the unique opportunity for students to study in a European country for approximately ten days. Students will explore the people and culture of the country and practice the language. All student participants are required to attend seminars prior to departure. Students will be required to research assigned points of interest and design and present a PowerPoint presentation to the entire group. These assignments will focus on the history, geography, art and culture of the country / countries to be visited.

Students will be required to keep a daily journal while on tour and will create a scrapbook and a photo album of the trip. All work will be graded by the teacher chaperone, and a letter grade will appear on the June report card.

Prerequisites: Administrative approval required, based on excellent attendance, a positive disciplinary record, academic performance and no outstanding tuition

Departmental Approval. Spring semester only.

FINE ARTS

“All art should inspire and evoke emotion. Art should be something you can actually feel.”

Chris De Rubeis

Every student is required to take one year of Fine Arts. Through personalized programs of study, students may elect to follow a New York State Regents sequence in either music or art through Kearney’s Major Programs.

MUSIC

The school's choir and concert band/ marching band perform for various events in and out of school, including the New York City Columbus Day Parade down Fifth Avenue, St. Patrick’s Day Parades in Brooklyn, Little League parades, school assemblies, liturgies and concerts.

Through varied musical experiences, students learn to understand standards of quality in performance and composition, gain new insights about the maturing voice and artistic potential, increase competence in their instrumental technique, expand their knowledge of repertoire, and achieve new levels of personal expression as they advance in their musical studies.

Kearney Chorus

This course is designed for those who love to sing - beginner, intermediate and advanced singers; all are welcome! The students will build vocal technique as they prepare to perform choral repertoire of various genres. They will also study the basics of musical notation and learn about famous composers, performers, and choral works. The members of the Kearney Chorus will perform for the Christmas Assembly and the Student Awards Assembly in June.

Band

This is a full-year course offered to any student who is a beginner, intermediate or advanced player of the following instruments: flute, clarinet, saxophone, trumpet, French horn, trombone, baritone horn or drums. Students are required to be members of the Kearney Marching/Concert Band. Attendance at two weekly afternoon rehearsals, as well as, parades and concerts is required.

Piano

This is a full-year course for sophomores, juniors, and seniors for which the student receives a full credit upon completion. The class is intended for all beginner and intermediate players. The student follows the John Thompson Piano Course (Grades I, II and III).

ART

Students are exposed to various materials and techniques as they progress through our Regents sequence in art and develop a sense of personal style, as well as, an increased awareness of the power of their art to illuminate, inform and influence opinion. Inspired students complete the art major experience by studying oil painting, advanced drawing and printmaking and/or digital media art and by submitting their artwork to various local art competitions. Seniors prepare a “visual thesis” in Advanced Placement Studio Art and may additionally enroll in Mixed Media. Digital Art is also offered as an alternative to Mixed Media.

Students (both Art Majors and non-Art Majors) also enjoy co-curricular opportunities by joining our Art-related clubs, which complement formal study in the Visual Arts.

Introduction to Art

A one-semester, foundational course is intended to expose students to art through fundamental drawing techniques and the exploration of basic two-dimensional representation, including line drawing, shading, one-point perspective, and perception of form and space. Color theory and painting are introduced, as well as, exposure to art history. **Credit: .5 Units**

Introduction to Fab Lab*

Students will become proficient in the use of digital fabrication by using the variety of computer-controlled tools in the workshop to create personal fine art and practical artifacts. Students will understand principles of design, 3-D visualization and basic engineering.

***See also STEAM.**

Studio Art (Year Course)

This course is for students who have a greater interest in developing their artistic voices. The course begins by exposing students to fundamental drawing techniques and exploring the basics of two-dimensional representation, which includes line drawing, shading, one-point perspective, perception of form and space. Color theory and painting are introduced. The second half of the course invites students to continue honing their technique by developing more personal, in-depth artwork. Projects include pen and ink, the human face, proportion, anatomy, and fashion drawing.

Drawing, Painting and Printmaking

Students are exposed to the art of oil painting and printmaking while they continue to explore various mark making techniques and develop their personal artistic style. Advanced perspective drawing involving two- and three-point building design will be studied. In addition, students will be introduced to the different painting styles of artists through history.

Prerequisite: Introduction to Art or Studio Art and/or Departmental Approval

Mixed Media

Students learn about 3D design, which includes sculpture and ceramics. Students also continue to develop drawing and painting techniques. In addition, students engage in computer graphics and design techniques as they study the importance and implications of communication in society.

**Prerequisite: Introduction to Art or Studio Art and/or Departmental Approval
Departmental Approval**

Digital Art/STEAM Innovation and Design*

In order to better equip our students for tomorrow's challenges students will be given the tools needed to create and market a product of their choice. This technologically-advanced program is designed for students to learn and apply the design process while acquiring and developing strong communication, organizational, critical-thinking, and problem-solving skills. They will discover how things are made and what processes go into creating these products. Students will plan, implement, document, and present creative and critical projects in the Fabrication Lab that will incorporate topics such as mechanics, aerodynamics, measurements and prototyping. Students will also learn the basics techniques of visual communication to market and promote the project of their choice. They will learn to combine images, words, and ideas to convey information to an audience. Through the use of graphic software programs students will apply their techniques by developing layout designs and typography to different types of media (such as posters, flyers, packaging, and publishing) in an effort to truly understand what is needed to compete in today's global market. ***See also STEAM**

STEAM (Science, Technology Engineering, Art and Mathematics for Careers)

“We need all hands on deck, and that means clearing hurdles for women and girls as they navigate careers in science, technology, engineering, and math.”

---Michelle Obama

The STEAM wing at Kearney is home to state-of-the-art science laboratories, a FabLab, complete with a 3-D printer, vinyl cutter and digital tools, a virtual reality room, a Google-inspired think tank and a fully equipped broadcast studio. These resources support project-based learning and social entrepreneurship across the curriculum.

Today's global society demands that our students understand the nature and expectations of today's ever-changing world of technology. Through Technology, Business, and Career-focused courses, students will:

- Acquire the technology skills needed both for college and career readiness;
- Identify key differences between the applications and protocols of personal technology use AND the applications and protocols of professional technology use;
- Evidence their knowledge of standard business and communication skills;
- Develop the confidence and agility required for active problem-solving, researching, and self-teaching so that they are accustomed to learning emerging technologies independently in order to remain current and maximize productivity.

Courses in this area align to the overarching Common Core goals that compel students to hone the critical, creative and collaborative skills necessary for lifelong learning, social entrepreneurship, and real-world success.

Broadcast Production and Journalism*

Designed to provide students with a strong base in media, this class includes writing, videography, broadcasting, and public speaking. Students develop the skills necessary to run a news broadcast and will practice interviewing, camera work, photography, and production. Students will use city, U.S. and world news as a platform for research and in-depth news production. They use editing software to create creative videos on a variety of topics, including PSAs and film shorts. This class is supplemented by the WBKS club and offers opportunities to partner with Fox News and local production teams for real-world, professional experience. ***See also English**

Computer Literacy*

This course begins with an overview of what it means to be digitally literate today. Aligned to meet the goal of the Common Core State Standards, students will be engaged in exercising the digital skills necessary for college and career readiness and success in both environments. The curriculum is reviewed and updated on an ongoing basis to ensure students' effective use of technology as a tool in an ever-changing discipline. Students will be introduced to HTML, JavaScript and Web design

Introduction to Fab Lab*

Students will become proficient in the use of digital fabrication by using the variety of computer-controlled tools in the workshop to create personal fine art and practical artifacts. Students will understand principles of design, 3-D visualization and basic engineering.

***See also Art**

Technology for the Business World

While building a working knowledge of the Microsoft Office Suite of applications, as well as other software, students will develop proficiency in applying the integrated applications to their future business experiences, focusing on productivity and efficiency.

Topics include:

- Creating and executing business presentations using presentation software.
- Spreadsheets for business use.
- Resume formatting and writing.
- Formatting business and legal documents and reports.
- Database basics.

Must be taken with Marketing for the Entrepreneur

Marketing for the Entrepreneur

This course will focus on the basics of 21st Century marketing techniques with a slant toward entrepreneurship. Important attention will be paid toward how current technology is changing marketing and advertising plans for all businesses with a spotlight on small businesses and entrepreneurs.

Prerequisite: Computer Literacy or Technology for Business

Digital Art/STEAM Innovation and Design*

In order to better equip our students for tomorrow's challenges students will be given the tools needed to create and market a product of their choice. This technologically-advanced program is designed for students to learn and apply the design process while acquiring and developing strong communication, organizational, critical-thinking, and problem-solving skills. They will discover how things are made and what processes go into creating these products. Students will plan, implement, document, and present creative and critical projects in the Fabrication Lab that will incorporate topics such as mechanics, aerodynamics, measurements and prototyping. Students will also learn the basics techniques of visual communication to market and promote the project of their choice. They will learn to combine images, words, and ideas to convey information to an audience. Through the use of graphic software programs students will apply their techniques by developing layout designs and typography to different types of media (such as posters, flyers, packaging, and publishing) in an effort to truly understand what is needed to compete in today's global market. ***See also Art**

Anatomy and Physiology*

Enhanced by virtual reality software and equipment to allow virtual dissection and examination of human systems, this course will cover the introduction to anatomical terminology, the levels of organization, and the basic cellular and organic functions associated with the maintenance and perpetuation of life with an emphasis on human systems. Further insights into the biological operations of the body and exploration of how the human body is affected by disease will also be studied. It will consist of laboratory exercises in the following fields: pathology, histology, circulation, transport, sensory perception, neuromuscular activity. This course includes a laboratory schedule.

Prerequisites: 3 years of Regents Science **Departmental Approval**

*Students may earn 6 college credits from **St. John's University**.

A score of 1,000 combined on the Verbal and Math portions of the SAT or a score of 100 on the PSAT, as well as an 85+ GPA for Juniors or 80+ GPA for Seniors is required to apply for SJU college credits. ***See also Science.**

PHYSICAL EDUCATION

"Athleticism is a gift, and we nurture that gift at Kearney. Participation in sports teaches our young women to be team players who aren't afraid to take a chance."

-- Dr. Margaret Minson, Head of School

The Physical Education Department strives to inspire a lifelong commitment to physical activity through a variety of positive experiences in sports, activities, games and Dance. Every class will challenge students cognitively, affectively and physically, ultimately resulting in an enhancement of physical and social skills as well as character.

We strive to instill within each student respect for herself, physical activity, and other individuals through class participation and sport interaction. Each department member is well educated in her field and is determined to transfer this knowledge to all students through an informative, safe, active, and fun experience.

Upperclasswomen may have the option of enrolling in Dance or Physical Education.

Physical Education 9 / 10

Students are introduced to the basic skills, rules, and regulations involved in specific team sports and activities. Students will learn the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity, and maintain personal health. The purpose of this course is to have students demonstrate competency in a variety of motor skills and movement patterns.

Sports: Volleyball, Basketball, and Wiffle Ball/Badminton

Physical Education 11 / 12

The course builds upon students' previous foundation in team sports and introduces students to the fundamental skills, rules, and regulations of individual and dual sports. This course introduces new sports to foster recognition of the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction. It incorporates a more in-depth understanding of strategies, plays, and game situations. Students will be able to apply knowledge of concepts, principles, strategies, and tactics related to movement and performance. This course incorporates the knowledge and skills necessary to establish and maintain physical fitness and personal health.

Continuation Sports: Volleyball, Basketball, and Wiffle Ball/Badminton.

New Sports: Pillow Polo, Flag Football, Team Handball, and Lacrosse.

Health: The Quality of Life

This course includes a comprehensive spectrum of health-related topics. The fundamental goal is for students to understand the processes and attitudes required to maintain a high level of physical, emotional, psychological, social and intellectual health.

***This is a New York State required course. See also Science.**

Dance (As available)

Our first-year dance curriculum will include four areas of concentration: ballet, jazz, hip-hop, and choreography. Within each discipline, students will be challenged to apply higher-order thinking and creativity as they build both physical skill and expressive capability. Topics include: proper alignment, balance, control, ballet fundamentals, the anatomy of movement, freedom of movement, and commonalities of movement across genres. This course culminates with students showcasing their knowledge and understanding of dance through a guided choreography experiment. Within select parameters, students will have the freedom to show their own individualism and expression through movement.

School Counseling Department and Student Support Services

“I think mentors are important and I don't think anybody makes it in the world without some form of mentorship. Nobody makes it alone. Nobody has made it alone. And we are all mentors to people even when we don't know it.”

---Oprah Winfrey

Our wide scope of support services ensures that students achieve success at all levels.

School Counselors remain with students throughout their high school years and have an opportunity to establish a strong mentoring relationship and support system instilling a sense of community between the counselor and the student. Continued assistance, direction and encouragement are essential to students' development, allowing each to reach their full potential and achieve their personal best.

College and career readiness are of paramount importance and are a primary focus in school counseling sessions throughout students' four years at Bishop Kearney. Counselors engage students in a variety of college and career readiness experiences and processes; Naviance software and its assessments, as well as small group guidance sessions assignments help to ensure that students are both prepared and well-informed about themselves and their futures.

All students meet formally with their school counselor once a week for guidance sessions. These group meetings allow students to become acquainted with each other and their counselor where discussions are centered on relevant topics specific to the grade level. Meeting topics cover students' academic, social/emotional and college/career readiness needs.

The goal is to develop a student who is a life-long learner through activities that promote and encourage social and interpersonal skills as well as organizational and problem solving abilities ensuring adaptability in a changing global landscape.

Freshman Guidance

Freshman year is focused largely on the successful transition to high school. Students are monitored to ensure academic success and guided to establish realistic goals. They are encouraged to become involved in the Bishop Kearney community with the exploration of interests through participation in the many co-curricular and extracurricular activities offered. Students quickly become successfully engaged in the Kearney “family” and begin their journey to form a cohesive class with a bond of friendship and concern for each other that is fostered and developed through their high school journey. Students begin work with Naviance, a college planning and search tool, and also take the PSAT exam as they are introduced to the college readiness process. Students also take assessments on Naviance to discover their learning styles and begin to explore their long-term career interests.

Sophomore Guidance

Sophomores begins with preliminary discussions of post- secondary educational choices and a second opportunity for standardized college testing with the administration of the PSAT. With the assistance of their School Counselor and Naviance software, students begin to explore and develop educational plans that are aligned with their specific interests and talents. Discussions concerning career choices and personality assessments are completed with the student to help determine interests and abilities that correlate to specific career choices. On a personal level, students are also encouraged and supported as they develop positive attitudes toward themselves and each other. Social issues, conflict resolution, responsible social media use, tolerance and effective decision-making are explored and discussed.

Junior Guidance

Junior year begins with structured lessons and frequent discussions concerning the college admissions process. Comprehensive college and career planning tools, including Naviance, are also available to students and their families both in and out of school. School counselors work closely with the students in junior year as they prepare for Senior year and the college admissions process. They will build their resume in Naviance and have a tentative list of colleges developed.

In addition, students are supported through the process of selecting courses for senior year that are aligned with the student’s strengths, interests and goals. The continued rigor of academics that maximizes post-secondary choices for every student are carefully discussed and finalized.

Senior Guidance

Senior year students work closely with the school counselor through the college admissions process. With the school counselor, students compile a college list, write their college essays, and prepare a finalized resume during senior year. As students and parents navigate the college process, they are given numerous opportunities for both individual and group meetings that explore options for choosing and completing applications, understanding financial aid and scholarships, and embarking on the successful transition from high school to college.

In the spring, school counselors will focus on aiding students in making a final college decision

based on a variety of factors in conjunction with their interests and needs (financial aid received, majors offered, location etc). Social/emotional topics will become the forefront of the focus as the year comes to an end, in helping seniors begin their transition to post-secondary education and prepare for the road ahead after high school.

The Medaille Program

Continued direction, assistance and encouragement are essential to students' development, allowing each to reach her full potential and achieve her personal best. The Medaille Program supports students with IEPs towards achieving an Advanced Regents Diploma through SETTTS and various testing and other accommodations Counselors meet regularly with small groups and individuals. Mentors are available through relationships with Alumnae and business partners.