

# Program of Studies 2008-2009



## *Saint Raphael Academy Mission Statement*

**Saint Raphael Academy is a Catholic, coeducational, college preparatory school, founded in the tradition of Saint John Baptist de La Salle and rooted in the gospel of Jesus Christ. The Academy welcomes a student body that is academically, economically, and culturally diverse. Through its commitment to Christian values, the Academy strives for excellence in all programs for the spiritual, academic, cultural, and physical development of each student. Saint Raphael Academy seeks to provide a safe environment that places a priority on mutual respect as well as self-discipline. The Academy prepares each student for a life dedicated to learning, leadership and service to the church and community.**



## **GOALS**

- ◆ The reason for our existence as a school is the commitment to develop and nurture the religious dimension of each individual in the context of a Catholic-Christian Community. This premise should be an ongoing concern of each segment of the Saint Raphael Academy Community.
- ◆ Saint Raphael Academy fosters a sound academic environment and meaningful extracurricular programs that complement the religious dimension and complete the education of the whole person. To maintain, strengthen and enhance this Christian environment, we cultivate alternative avenues to respond to future conditions.
- ◆ In order to meet the needs of the Saint Raphael Academy Community, it is necessary to integrate the activities of the administration, teachers, students and parents through effective and concise communication. To make this ideal practical requires a total commitment on the part of the entire Community to this philosophy and the subsequent rules and guidelines.

## **OBJECTIVES**

- To manifest its Catholic and Lasallian identity as proclaimed in the Gospels through curriculum, spiritual formation programs and Christian Service.
- To nurture an environment of Catholic Christian Community in which students, staff, families, alumni(ae) and School Board members grow in awareness of and responsibility towards self, others, and God.
- To encourage use of talents as servant leaders by asking the entire Saint Raphael Academy Community to become aware of the need to minister to one another, including the poor and marginalized peoples of the global community.
- To establish and maintain a rigorous college preparatory curriculum that challenges the students of differing abilities and interests through required and elective courses.
- To provide a faculty that has expertise in particular subjects, and whose professionalism is enhanced by being representatives of a Christian role model.
- To evaluate and update continually our program in light of current directions and alternatives.
- To encourage and provide opportunities for the entire Saint Raphael Academy community to participate in the Civic Community, the Church, and especially the Family.
- To encourage staff and students to participate in extracurricular activities and Christian Service programs.
- To provide a program of interscholastic activities and extracurricular activities that encourage a spirit of cooperation, participation, competition, and fair play, thus enhancing the curriculum and complementing the cultural and aesthetic education of students.

## PROGRAM OF STUDIES

Within its over-all college preparatory program, Saint Raphael Academy makes provisions for both the exceptionally talented and for the usual aspirant to higher education. Students are generally grouped according to their abilities. Periodic adjustments may be made to move students to the level more in keeping with their abilities.

The philosophy which guides the faculty at Saint Raphael Academy in its attitude towards students and the curriculum is a sound one. Personal involvement, self-initiation, evaluation—all are felt to be integral to any search for a significant or experiential system of learning. Basic to its understanding is the element of accountability. The entire school community realizes that with freedom in scheduling and in handling of unstructured time comes responsibility and accountability for such choices. The SAINTS way of life attempts to prepare all students to face such decisions which will be an integral part of their academic and post-scholastic lives.

## GRADUATION REQUIREMENTS

To be eligible for a diploma from Saint Raphael Academy, a student must complete the following course of studies.

Subject	Credits
Religious Studies	4.0
English	4.0 (includes 1 credit from Freshmen Humanities)
Mathematics	4.0
Science	3.0 (includes 2 credits in laboratory sciences)
Foreign Language	2.0 (3 years strongly recommended)
Social Studies	3.0 (includes 1.5 credits in U.S. History; 1 credit in Western Civilization, and .5 credit in Humanities)
Computer Technology	0.5
Fine Arts	0.5 (1 preferred)
Physical Education/Health	1.0 (.25 credit per year)
Christian Service	20 hours both junior and senior year

In addition to passing these courses listed above, students must pass a sufficient number of elective courses to accumulate 25.5 credits. Students are required to sit for six academic courses each semester.

In all course selections, the Department Chairperson and the Vice-Principal for Academics have final approval. The Administration reserves the right to withdraw a course offering because of insufficient student enrollment or to change a student to balance class size.

**All requests to add, drop or change a course must be made within the first (7) days of the academic semester.**

## COURSE OFFERINGS

### 9<sup>th</sup> Grade

**Required:** Catholicism; Mathematics: Algebra I, Algebra I( part I) or Geometry A; Foreign Language (French or Spanish) or Academic Foundations; Biology or Physical Science; Humanities (English/.Language Arts, World Geography/Cultures, Introduction to Fine Arts) Physical Education/Health; Keyboarding

### 10<sup>th</sup> Grade

**Required:** Scriptures; English 10; Mathematics: Geometry or Algebra I (part II), Science: Biology or Chemistry; Spanish or French Level II or appropriate level; Western Civilization; Computer Applications; Physical Education/Health

### 11<sup>th</sup> Grade

**Required:** Morality and Christian Lifestyles, English 11 (American Literature); Mathematics: Algebra II, or Pre Calculus or Geometry, United States History or EEP United States History; Physical Education and electives to complete 6.25 academic credits.

**Electives:** Foreign Language (French or Spanish Level III or appropriate level); Public Speaking, Creative Writing, Reel History, American Government, Psychology I and II, History of the Catholic Church, Forensics, Anatomy, Physics, AP Biology, Drawing and Painting, Sculpture, Design and Printmaking, Theatre Arts, Materials of Music, American Pop Music, Voice Class, Management, Sports and Entertainment Marketing

### 12<sup>th</sup> Grade

**Required:** Faith and Values and Christian Action; English 12 (British Literature) or AP English; Mathematics: Calculus, AP Calculus, PreCalculus, Algebra II or Math Reasoning 20<sup>th</sup> Century US History, Physical Education; and electives sufficient to complete 6.25 academic credits.

**Electives:** Foreign Language (French or Spanish Level III or appropriate level); Public Speaking, Creative Writing, Reel History, American Government, Psychology I and II, History of the Catholic Church, Forensics, Anatomy, Physics, AP Biology, Drawing and Painting, Sculpture, Design and Printmaking, Theatre Arts, Materials of Music, American Pop Music, Voice Class, Management, Sports and Entertainment Marketing

## **COURSE CREDITS**

A course at Saint Raphael Academy may be scheduled to run for a half or full school year. Students receive one credit for the successful completion of a full-year course, one-half credit for a semester course, and one-quarter credit for Physical Education/Health Education, and Computer Education.

No credit is given for courses that are partially completed for reasons of withdrawal, incomplete work, or failing work. Completion of the course with a passing grade provides graduation credit.

According to Diocesan Regulations, students who fail a major subject must repeat this subject in an approved summer school. **A student may not repeat the subject the following year. Any student who fails three credits or more is not permitted to return to Saint Raphael Academy.**

## **DESCRIPTION OF LEVELS**

The college preparatory curriculum at Saint Raphael Academy is designed to challenge all students. Keeping in mind that students differ in learning style and ability, courses differ by level in the following areas:

- The presentation of material will be compatible with students' abilities varying in pace, complexity and depth.
- Independent research projects will vary by type, number assigned, and amount of teacher direction.
- Assessments of students will be designed according to the material at the level, differing in type, evaluative criteria, and format.
- Supplementary topics suited to the talents and interests of students will be incorporated at the discretion of the teacher.

**A Level (Honors)** - is designed to challenge students to pursue their course material from a broader perspective and in greater depth. It also introduces students to the research and seminar technique at an early stage in their high school years and instills in them the habit of creative and critical thinking. Independent assignments are a characteristic feature of the A level work.

**B Level (Advanced College Prep)** - is designed to challenge students to pursue their studies in greater depth than required at the basic college prep level placement. The courses at this level are designed to allow students to realize their potential and to perform accordingly. Instruction at this level includes the development of critical and creative thinking and some additional independent assignments.

**C Level (College Prep)** - is designed to challenge college-bound students to pursue their studies. Instruction at this level emphasizes required course work that includes the successful completion of reading/writing assignments and projects as well as the development of critical and creative thinking and some additional independent assignments.

In addition, Saint Raphael offers **The Advanced Placement Program**. It is a joint cooperative educational endeavor of the College Board, participating colleges/universities, and Saint Raphael Academy. The Advanced Placement (AP) Program is provided as part of the curriculum to encourage the student who has demonstrated superior achievement. This program challenges and stimulates students, accelerates learning, individualizes education, and indicates to the public that this school values intellectual achievement and academic excellence. Students are presented with college-level work and are evaluated according to college standards by The College Board. Also, Saints offers the **Early Enrollment Program (EEP)** through Rhode Island College which allows students to earn college credit while still in high school

## **RELIGIOUS STUDIES DEPARTMENT**

As part of the religious studies program, each student will attend a one-day retreat experience during each academic year. All classes are heterogeneously grouped and assigned **B-level** credit.

Juniors and seniors are required to complete a minimum of twenty hours of Christian service each year (for a total of forty hours). Students may choose to volunteer at such locations as food banks, churches, hospitals, schools, nursing homes or any direct volunteer activity that provides a positive contribution to the community. At the end of each year students will be required to share their reflections on the insights they gained through their service and connect such reflections to the Lasallian call to justice for all humans.

Course Title:           **INTRODUCTION TO CATHOLICISM**  
Course Number:       112  
Course Length:        Year  
Course Credit:         One  
Grade Level:          Freshmen

This comprehensive introduction to the Catholic faith explains in a thorough and straight forward manner what it means to be Catholic. It sets the foundation for the high school religion curriculum and establishes a common vocabulary for future religious study.

Course Title:           **UNDERSTANDING THE SCRIPTURES**  
Course Number:       122  
Course Length:        Year  
Course Credit:         One  
Grade Level:          Sophomores

This course involves comprehensive and practical consideration of the ancient writings of Israel as found in the Old Testament. Important passages will be examined, and the historical setting and literary purpose of the scriptures will be explored while encouraging student reflections. The course will also help the student explore and appreciate the New Testament, the collection of inspired Christian writings composed in the first century, which records the ministry and meaning of Jesus and the faith of the community of believers.

Course Title:           **CHRISTIAN MORALITY**  
Course Number:       130  
Course Length:        Semester  
Course Credit:         One-half  
Grade Level:          Juniors

This course is designed to help the student understand his/ her response to decision making through conscience formation and moral development. It aims at evoking a free response to relationship with God and others as part of values which flow from the Christian philosophy and Catholic teaching and tradition. Moral problems confronting the contemporary Christian are discussed parallel to the teachings of Jesus

Course Title:           **CHRISTIAN LIFESTYLE**  
Course Number:        141  
Course Length:         Semester  
Course Credit:         One-half  
Grade Level:           Juniors

This course is designed to help the student become more aware of lifestyle choices as part of living out our relationships with God and others. Students will look at prayer as a foundation of lifestyle, and they will study the lives of the Saints who have added to our Christian heritage.

Course Title:           **CHRISTIAN ACTION**  
Course Number:        140  
Course Length:         Semester  
Course Credit:         One-half  
Grade Level:           Seniors

The goal of this course is to raise awareness of our responsibility to be active in the living of our faith commitment by serving others. It is designed to broaden the social consciousness of every senior through examination of contemporary social justice issues in conjunction with at least two hours of Christian Service per week in various agencies.

Course Title:           **FAITH AND VALUES IN A MEDIA CULTURE**  
Course Number:        150  
Course Length:         Semester  
Course Credit:         One-half  
Grade Level:           Seniors

The purpose of this course is to educate students in media literacy as it pertains to Christian values. Students will be encouraged to consider media products as opportunities for finding Christian Values and to develop criteria for choosing media products which are consistent with their lives as followers of Jesus. The impact of television, films, music, print media, and the Internet on living a Christian life will be considered.

### ***Religion Department Elective***

Course Title:           **HISTORY OF THE CATHOLIC CHURCH**  
Course Number:        152  
Course Length:         Semester  
Course Credit:         One-half  
Grade Level:           Juniors or Seniors

After The Passion of the Christ...What is the rest of the story? When Mel Gibson's movie, *The Passion of the Christ*, was first released one of the recurring criticisms was: why didn't he keep telling the rest of the story? This course will pick up where the movie left off. Join the journey as we explore the beginnings of the Church at Pentecost all the way to the Church of the Third Millennium ushered in by the late Pope John Paul II. Special emphasis will be given to the people and events that have shaped the church throughout the centuries, especially the Church Fathers, Vatican II, and Pope John Paul II.

## ENGLISH DEPARTMENT

Course Title:	<b>ENGLISH 10: LANGUAGE ARTS/ LITERATURE II</b>
Course Number:	220 – A Level 221 – B Level 222 – C Level
Course Length:	Year
Course Credit:	One
Pre-Requisite:	Humanities
Grade Level:	Sophomores

Students begin a three-year program that introduces them to analytical writing. Using the computer to draft, edit and revise, students complete several pieces of writing that require critical thinking skills. Through the study of novels, short stories, poetry, plays, and nonfiction from around the world, students integrate language skills, vocabulary study, and reading comprehension necessary for success on the SAT and entrance into college. Students are required to read several works for summer reading.

Course Title:	<b>ENGLISH 11: AMERICAN LITERATURE AND LANGUAGE ARTS</b>
Course Number:	230 – A Level 231 – B Level 232 – C Level
Course Length:	Year
Course Credit:	One
Pre-Requisite:	English 10
Grade Level:	Juniors

Students continue to work on essays of critical literary analysis, using the computer to draft, revise, and edit. By the end of the first semester, students will have completed a research paper after learning the process step-by-step. Through reading and analysis of American Literature, students integrate language skills, vocabulary study, and reading comprehension with a focus on preparation for the SAT and entrance into college. In addition to several American novels, students may also read a Shakespearean play. A required summer reading program continues in the junior year.

Course Title:	<b>ENGLISH 12: BRITISH LITERATURE AND LANGUAGE ARTS</b>
Course Number:	240 – A Level 241 – B Level 242 – C Level
Course Length:	Year
Course Credit:	One
Pre-Requisite:	English 11
Grade Level:	Seniors

Students continue to work on several types of writing, including the college essay, persuasion, comparison/contrast, and literary analysis, using the computer to draft, revise, and edit. Through the study of British Literature, students integrate language skills, vocabulary skills and reading comprehension necessary for success on the SAT and entrance into college. Students read several British novels and at least two British plays including Macbeth. Students are required to read several works for summer reading.

Course Title:           **ADVANCED PLACEMENT ENGLISH  
LITERATURE AND COMPOSITION**  
Course Number:        249 - AP  
Course Length:         Year  
Course Credit:         One  
Pre-Requisite:         English 11A, acceptance by AP instructor and Dept. Head.  
Grade Level:           Seniors

The advanced placement (AP) class in English is open to a select group of honors' level students who wish to seek college credit for studies in English during their senior year. Successful completion of the year of study provides the student with the required high school credit for graduation while preparing him/ her for a special examination administered in the spring. The student who is successful at this examination will also earn college credit (from 3 to 6 credits, depending on the college). These credits may be applied to an institution of higher learning. The scope, breadth and depth of the course are far more extensive and demanding than that of an A level class. Students will be responsible for independent reading, thoughtful class discussion, and several papers of literary analysis, as well as extensive summer reading.

### ***English Department Electives***

Course Title:           **PUBLIC SPEAKING**  
Course Number:        243 -Intermediate (B)  
Course length:         One semester  
Course credit:         One-half  
Grade level:           Juniors and Seniors

The basic and intermediate level students who have had difficulty organizing and expressing themselves in written form will benefit from this elective course. Repeating the writing process as presented in their English classes, students will learn how to creatively write a variety of presentations that are descriptive, expository, and persuasive in nature. Students will also learn the rudiments of public speaking - presentations, content, and organization - which are necessary for success on the college level. By the conclusion of the course, students will have improved both their techniques and enjoyment of written and oral communication.

Course Title:           **CREATIVE WRITING**  
Course Number:        245 - Intermediate (B)  
Course Length:         One semester  
Course Credit:         One-half  
Grade Level:           Junior or Seniors

This course will introduce students to the principles and skills of creative non-fiction and fiction writing. In the first quarter we will work on refining our writing skills by focusing on writing creative non-fiction, which may include poetry, memoirs, travel essays, opinion pieces and the traditional personal essay of ideas. The second quarter we will apply those skills to writing fiction, in particular, the short story. We will focus on description, character and plot development, and showing, not telling, the moral of a story. For the serious writer this course will allow a student to hone his or her skills, while for the armchair writer this course will teach him or her more about literature in general by doing what writers do.

## **HUMANITIES DEPARTMENT**

Humanities is a requirement of all incoming ninth grade students. It combines the English/Language Arts curriculum with that of Social Studies and Fine Arts in an interdisciplinary approach. English/Language Arts will be homogeneously grouped while Social Studies and Fine Arts will be heterogeneously grouped. Students will receive a full credit in English and one-half credit of both Social Studies and Fine Arts.

Course Title: **HUMANITIES: English/Language Arts**  
Course Number: 040 – A Level  
041 – B Level  
042 – C Level  
Course Length: Year  
Course Credit: One credit  
Grade Level: Freshmen

World Literature will be the focused theme of this course. Reading, writing and vocabulary skills will be built along with reviews of grammar, sentence structure, paragraph and essay writing. Presentation and research techniques will also be examined within the framework of the course. Outside reading and written composition are also important components of the course. The computer will be employed as an instructional tool where appropriate.

Course Title: **HUMANITIES: World Geography/Cultures**  
Course Number: 060  
Course Length: Year  
Course Credit: One-half  
Grade Level: Freshmen

This course will work in conjunction with Humanities: English/Language Arts in using World cultures as its focus. The course will introduce students to the concept of social studies and to help students develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world. Research, reading and writing skills will be built throughout the course.

Course Title: **HUMANITIES: Introduction to Fine Arts**  
Course Number: 080  
Course Length: Year  
Course Credit: One-half  
Grade Level: Freshmen

This course will introduce students to the basic concepts of the visual and performing arts. In conjunction with the Humanities curriculum, art and music from various cultures from around the world will be examined.

Course Title: **ACADEMIC FOUNDATIONS**  
Course Number: 012 – C Level  
Course Length: Year  
Course Credit: One credit  
Pre-Requisite: Departmental Placement/participation in Saints Readiness Program  
Grade Level: Freshmen

This course is required of selected freshmen as determined by skills assessed in our Summer Readiness program. ACF will serve first as a complement to their English class, giving student's further opportunities to improve basic writing strategies, critical reading, listening and thinking skills. Additionally, ACF will provide students an opportunity to improve their time-management and study skills. Finally, students will frequently have the chance to put these study skills into practice. The teacher will monitor student assignments and progress through consultation with other freshmen teachers.

## MATHEMATICS DEPARTMENT

**\*\*Please note: Incoming freshmen who have taken a full year of Algebra I may take a math exam to ensure proper placement.**

Course Title: **ALGEBRA I**  
Course Number: 310 - A Level  
311 - B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Departmental placement  
Grade Level: Freshmen

This course will introduce the student to the basic language of algebra. Students will explore expressions, equations, functions, rational numbers, and polynomials. They will learn how to solve linear equations, use proportional reasoning and factoring, graph relations and functions, and analyze and solve linear equations. Word problems related to these topics will be included through out the course.

Course Title: **ALGEBRA I, PART I**  
Course Number: 312 - C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Departmental placement  
Grade Level: Freshmen

This course is designed for students of basic mathematical ability. This course includes a sound, basic treatment of essential algebraic skills and concepts. The teacher will progress as far as possible with the class based on the student's abilities. The next course (Algebra I, Part II) will continue the study of Algebra I from where the class ended in Part I. At the conclusion of the course, (Algebra I Part II), the student will have a solid foundation in the Algebra I skills necessary for his/her future success in mathematics.

**Please note:** Algebra I, Part I students wishing to bypass Algebra I, Part II must meet the requirements, complete an independent study and pass an examination.

Course Title: **ALGEBRA I, Part II**  
Course Number: 313 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Algebra I, Part I or permission of the  
Department Head  
Grade Level: Freshmen or Sophomores

This course is designed to complete the study of Algebra I introduced in Algebra I, Part I. Upon completion of the Algebra I concepts, there will be an introduction to the basics of geometry. At the completion of this course, the student should have the equivalent or one full year of Algebra I taken at the B level and will have a foundation for a full year study of geometry.

Course Title: **GEOMETRY**  
Course Number: 330 – A Level  
331 – B Level  
322 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Algebra I or Algebra I, Part II

This course contains Euclidean Geometry but will also develop students' skills in visualization, pictorial representation, and the application of geometric ideas to describe and answer questions about natural, physical, and social phenomena. Students will connect reasoning and proof, proportion and similarity; will use perpendicular and parallel lines; will identify and apply right triangles and trigonometry and will analyze circles. Honors level classes will study trigonometric functions more in-depth. The Basic level will not cover material as in-depth as the other levels, but the core topics will still be studied.

**Please note:** Geometry A students wishing to bypass Algebra IIA must meet the requirements, complete an independent study and pass an examination.

Course Title: **ALGEBRA II**  
Course Number: 320 – A Level  
321 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: A full course in Algebra I or Algebra I, Part II, or permission of the Department Head

This course will review materials presented in the Algebra I course and further topics by presenting new and related material. Topics included in this course are: graphing linear equations, solving systems of equations, using rational expressions, solving quadratic equations, functions, and radicals. Word problems related to these topics will be included throughout the course. Honors level will also include exponential, logarithmic and circular functions. **Students are required to purchase a graphic calculator – TI-83 or TI-83 Plus is preferred.** The graphic calculator is also used in Pre-Calculus and Calculus.

Course Title:     **PRE-CALCULUS**  
Course Number: 341 – A Level  
                  340 – B Level  
Course Length:    Year  
Course Credit:    One  
Pre-Requisite:    Algebra II and Geometry  
Grade Level:     Juniors and Seniors

This course presents a study of trigonometry, as well as advanced algebra, theory of equations, and analytic geometry. Topics chosen for the A-level are designed as a pre-calculus course for the student who is preparing for a rigorous in Calculus. The B-level course for the student will place more emphasis on trigonometry and will be taught at a slower pace.

Course Title:            **CALCULUS**  
Course Number:         342 – A Level  
Course Length:         Year  
Course Credit:         One  
Pre-Requisite:         Pre-Calculus or Algebra IIA with a 90 or better average and  
                              permission of the Department Head  
Grade Level:            Seniors

This course introduces students to the fundamental concepts, techniques, and applications of the differential calculus of one variable and begins the study of integration. The calculus and analytical geometry of algebraic and trigonometric functions are also covered. The course will be taught at a much slower pace than the AP level.

Course Title:            **ADVANCED PLACEMENT CALCULUS**  
Course Number:         345 - AP  
Course Length:         Year  
Course Credit:         One  
Pre-Requisite:         Pre-Calculus or Algebra IIA with a 90 or better average  
                              **and** permission of the Department Head  
Grade Level:            Seniors

This course introduces students to the theory and application of differential and integral calculus of a single variable. An emphasis will be placed on developing an intuitive understanding of the principles of calculus. Topics that are covered include limits and its properties, differentiation and its applications, logarithmic functions, exponential functions, and various integration techniques. Students then take the AP Calculus AB examination in May, which determines college placement and/or credit.

Course Title: **MATHEMATICAL REASONING**  
Course Number: 343 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Algebra II, Geometry, and permission of the Department Chair

This course will cover topics in Algebra and Geometry. The first quarter will also incorporate strategies and practice for taking the SAT (Scholastic Aptitude Test). Students will study problem-solving strategies, probability and statistics. There is a Financial Literacy component provided by the Pawtucket Credit Union. If time allows, other topics in math might be presented at the teacher's discretion. Students may only be admitted to this course with a **teacher recommendation and permission from the Department Chair**.

## **SCIENCE DEPARTMENT**

Course Title: **PHYSICAL SCIENCE**  
Course Number: 411 – C Level  
Course Length: Year  
Course Credit: One  
Grade Level: Freshmen

Physical Science is designed to acquaint the student with the major topics included within the realm of the physical world. As a survey course, the varied areas of chemistry and physics are explored on an introductory basis. Students are introduced to laboratory work and learn basic laboratory skills and techniques that will be of value for future course work in science. Specific areas to be discussed in this course include the following: matter, energy, machines, motion and laws of motion, elements and compounds, the periodic table, chemical and nuclear reactions, and other selected topics.

Course Title: **BIOLOGY**  
Course Number: 420 – A Level  
421 – B Level  
422 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: None  
Grade Level: Freshmen (A and B level), Sophomore (C Level)

Biology is a one-year course which introduces the student to the study of life. Through lecture and laboratory activities, the student becomes acquainted with basic biological concepts and principles. Topics include the diversity of life, biochemical and structural basis of living organism, cell metabolism, and genetic continuity and mechanisms. The topics to be discussed and viewed will deal primarily with the cell, representative invertebrates and vertebrates, and a survey of human biology.

Course Title: **CHEMISTRY**  
Course Number: 430 – A Level  
431 – B Level  
432 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Successful completion of Biology  
Grade Level: Sophomores (A and B level) and Juniors (C Level)

Chemistry is the science which examines the structure of matter, its properties, and the changes it undergoes. In this course, the student will make use of both experiment and theory to gain a better understanding of the nature of matter. This course presents discussions dealing with measurement, elements, mixtures and compounds, formulas and equation, chemical reactions, the use of the periodic table, and the mole concept. Additional topics may be discussed at the discretion of the teacher. The honors and intermediate sections place greater emphasis on mathematical concepts.

Course Title: **ADVANCED PLACEMENT BIOLOGY**  
Course Number: 425 - AP  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Biology A, Chemistry A, permission of Department Chair and 88 average or better.  
Grade Level: Juniors/ Seniors

Advanced Placement Biology is a continuation of Biology A. While the student continues the topics covered in Biology A and proceeds to a mastery of the material that will be included on the AP Biology exam administered in the spring, the focus will be on laboratory experience which requires a thorough knowledge of Chemistry. Students receiving a qualifying grade on the exam normally are eligible for course credit at many colleges and universities. **Independent study and before/after school lab time will be required.**

Course Title: **PHYSICS HONORS**  
Course Number: 440 – A Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Biology A, Chemistry A, Algebra I, Geometry, permission of the Department Head and an 85 average or better.  
Grade Level: Juniors/Seniors

Physics Honors introduces the student to the basic concepts and principles of Newtonian mechanics (force-motion-energy relationships), thermal physics (phase changes, heat transfer, thermodynamics), wave motion (sound, light, optics), and of electricity and magnetism. Laboratory work provides opportunities to demonstrate principles and investigate practical applications.

Course Title:           **PHYSICS**  
Course Number:       441 – B Level  
Course Length:        Year  
Course Credit:         One  
Pre-Requisite:        Biology B and Chemistry B  
                            and permission of Department Head  
Grade Level:          Juniors/ Seniors

Physics B introduces the students to the basic concepts and analysis of force-motion-energy relationships, thermal physics, wave motion (sound, light, optics), and of electricity and magnetism. Laboratory work provides opportunities to demonstrate principles and investigate practical applications. A hands on approach is employed.

Course Title:           **ANATOMY**  
Course Number:       444 – B Level  
Course Length:        Semester  
Course Credit:         One-Half  
Pre-Requisite:        None  
Grade Level:          Seniors

This course is designed to familiarize the student with the functioning of his/her body parts and how these body parts function as a unit. It is a comprehensive survey course which examines each of the body systems. Points of interest will include the effects of tobacco, alcohol and other drugs on body functioning.

Course Title:           **FORENSIC SCIENCE**  
Course Number:       447 – B Level  
Course Length:        Semester  
Course Credit:         One-Half  
Pre-Requisite:        Biology and Chemistry  
Grade Level:          Seniors

Forensic Science is a semester long laboratory elective that discusses the relationship between science and a court of Law. Topics will include evidence collection, hair and fiber analysis, fingerprinting, DNA evidence, tool markings, crime scene processing, and other forms of physical evidence. At the completion of the course students will have knowledge of the types of evidence, how evidence can be used to convict or exonerate a suspect, and the laboratory skills involved in processing evidence.

## FOREIGN LANGUAGE DEPARTMENT

**Please note: Incoming freshmen may take a language exam to ensure proper placement.**

It is the objective of the Foreign Language department to offer students a language program that is both challenging and fulfilling. In order to accomplish this goal, we strongly encourage native speakers of Spanish or students with ample exposure to Spanish to select French as their foreign language requirement. By doing so, students will satisfy the basic principle of learning a foreign language; namely, that it truly will be foreign and therefore challenging.

Course Title: **FRENCH I**  
Course Number: 510 – A Level  
511 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: None  
Grade Level: Freshmen and Sophomores

Much emphasis is placed on the acquisition of listening and speaking skills, as well as on reading and writing. Students learn elementary grammar points and acquire a vocabulary which covers such immediate needs as greetings, months, colors, weather, basic objects, and the like. They also begin to learn about French culture and civilization, both past and present.

Course Title: **FRENCH II**  
Course Number: 520 – A Level  
521 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Successful completion of French I  
Grade Level: Freshmen, Sophomores and Juniors

Students continue their development of the four communication skills: Listening, speaking, Reading and Writing. Grammar becomes more complex and includes knowledge of various tenses. There is great emphasis on the acquisition of new vocabulary. Students also continue to broaden their knowledge of French culture and civilization, along with reading works in the target language. *Students who receive C credit for French II may not advance to French III.*

Course Title: **FRENCH III A**  
Course Number: 530 – A Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Completion of French IIA with an 85 average or better and/or recommendation of the teacher  
Grade Level: Sophomores, Juniors and Seniors

Students learn complex grammar points, a variety of verb tenses, and new vocabulary, all of which they are expected to begin to use more proficiently in the four areas of communication. Role play and oral presentations are designed to expand verbal communication skills. They also continue to become more familiar with French culture and civilization through selected films, music, and art, all of which may include field trips to local museums.

Course Title: **FRENCH III B**  
Course Number: 531 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Completion of French IIB with an 80 average or better and/or recommendation of the teacher  
Grade Level: Sophomores, Juniors and Seniors

Students increase their knowledge of French grammar and verbs and they acquire new vocabulary, all of which they are expected to use more proficiently in the four areas of communication. They also continue to become more familiar with French culture and civilization through selected films, music, and art, all of which may include field trips to local museums.

Course Title: **FRENCH IV**  
Course Number: 540 – A Level  
542 - Early Enrollment (EEP)  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Successful completion of French IIIA and recommendation of the teacher.  
A B- average or better needed to obtain EEP credit.  
Grade Level: Juniors and Seniors

Students review grammar and verb tenses which they are expected to use more proficiently in the four areas of communication. Role playing and oral presentations are an integral part of expanding verbal communication skills. They read *Le Petit Prince* and works by other francophone authors, along with watching and discussing authentic French films. EEP students have the opportunity to earn 3 college credits from Rhode Island College.

Course Title: **FRENCH IV B**  
Course Number: 541 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: B average in French IIIB with an 85 average or better, the recommendation of the teacher, and approval of the Department Chair.  
Grade Level: Seniors

This course is designed for those students who have completed French IIIB. They learn more complex grammar points and a variety of new verb tenses, as well as new vocabulary which they are expected to use more proficiently in the four areas of communication. Role playing and oral presentations are an integral part of expanding verbal communication skills. They also continue their study of French culture and civilization.

Course Title: **SPANISH I**  
Course Number: 551 – A Level  
552 – B Level  
553 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: None  
Grade Level: Freshmen and Sophomores

This course is designed for students to acquire a second language. Students who enroll in this course should have minimal or no exposure to Spanish. Students will learn elementary grammar points and acquire basic vocabulary which covers greetings, months, colors, weather, basic objects and the like. Students will also begin to learn about Hispanic culture and civilization both past and present. **This is not a course for native Spanish speakers.**

Course Title: **SPANISH II**  
Course Number: 561 – A Level  
562 – B Level  
563 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Successful completion of Spanish 1  
Grade Level: Freshmen, Sophomores or Juniors

This course is designed for students who have successfully completed level 1 of Spanish or who have had a limited exposure to Spanish in Middle School or outside the classroom. This course is not designed for students who are fluent in the language. The course continues to develop the four communication skills. Grammar becomes more complex and includes knowledge of various tenses. The study of Hispanic culture and civilization continues. ***Students who receive C level credit for Spanish II may not advance to Spanish III.***

Course Title: **SPANISH III A**  
Course Number: 570 – A Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Completion of Spanish IIA with an 85 average or better and permission of Department Chair  
Grade Level: Sophomores, Juniors or Seniors

Students learn complex grammar points, a variety of verb tenses, and new vocabulary, all of which they are expected to begin to use more proficiently in the four areas of communication. They also continue to become more familiar with Hispanic culture and civilization.

Course Title: **SPANISH III B**  
Course Number: 571 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Completion of Spanish IIB with an 80 average  
or better and/or recommendation of the teacher  
Grade Level: Sophomores Juniors or Seniors

Students will increase their knowledge of Spanish grammar and verbs and they acquire new vocabulary, all of which they are expected to begin to use more proficiently in the four areas of communication. They also continue to become more familiar with Hispanic culture and civilization.

Course Title: **SPANISH IV**  
Course Level: 580 – A Level  
555 - Early Enrollment (EEP)  
Course Number: Year  
Course Credit: One  
Pre-Requisite: Successful completion of Spanish IIIA and  
recommendation of the teacher. A B- average or better needed for EEP credit.  
Grade Level: Seniors

Students review grammar and verb tenses and are introduced to new, more complex structures which they are expected to use more proficiently in the four areas of communication. They complete an in-depth study of Hispanic culture and civilization, as well as being introduced to Hispanic literature. Students have the option of receiving college credit for this course through the Early Enrollment Program at Rhode Island College.

Course Title: **SPANISH IV B**  
Course Number: 581 – B Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Completion of Spanish IIIB with an 85 average or better,  
recommendation of the teacher, and permission of the  
Department Chair  
Grade Level: Junior and Seniors

This course is designed for those students who have completed Spanish IIIB. They learn more complex grammar points and a variety of new verb tenses, as well as new vocabulary which they are expected to use more proficiently in the four areas of communication. They also continue their study of Hispanic culture and civilization.

Course Title: **SPANISH V**  
Course Number: 590 – A Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: Completion of Spanish IVA and recommendation of the teacher  
Grade Level: Seniors

This course is designed as a continuation of Spanish IVA. Much of the course work is completed through independent study. Study of Hispanic culture is continued through short stories, novels and films. Advanced grammar points are reviewed and students are expected to perform at an advanced level in all four forms of communication: speaking, listening, reading and writing. Students have the option of receiving college credit through the Early Enrollment Program at Rhode Island College.

## **SOCIAL STUDIES DEPARTMENT**

Course Title: **WESTERN CIVILIZATION**  
Course Number: 620 – A Level  
621 – B Level  
622 – C Level  
Course Length: Year  
Course Credit: One  
Grade Level: Sophomores

This course is a survey of the history of western culture from the development of the ancient river civilizations through the Middle Ages to the 19th Century. The major political, social, and intellectual movements will be covered with particular attention given to map work, projects, and library research.

Course Title: **UNITED STATES HISTORY**  
Course Number: 630 - A Level (633-EEP)  
631 – B Level  
632 – C Level  
Course Length: Year  
Course Credit: One  
Pre-Requisite: A level/EEP must get permission from Department Chair  
Grade Level: Juniors

This course examines the major themes of United States History from Pre-Columbian America to the Spanish-American War. Essays and a research project will be required. Students enrolled in EEP have the opportunity to earn college credit from Rhode Island College. Students must achieve a B- or better to earn EEP credit.

Course Title: **THE UNITED STATES IN THE 20TH CENTURY**  
Course Number: 640 – A Level  
641 – B Level  
642 – C Level  
Course Length: Semester  
Course Credit: One-Half  
Pre-Requisite: United States History  
Grade Level: Seniors

This course is designed to examine the political, economic, social and military growth of the United States in the 20th Century. Special attention will be paid to foreign policy. Outside readings and a project will be required.

### *Social Studies Electives*

Course Title: **PSYCHOLOGY I – General Topics in Psychology**  
Course Number: 643 - B Level  
Course Length: Semester  
Course Credit: One-Half  
Pre-Requisite: None  
Grade Level: Seniors

This course is a basic introduction to psychology which focuses on the following areas: experimental methods, infant and child development, adolescent development, learning theories, sensation and perception.

Course Title: **PSYCHOLOGY II – Behavioral Theories and Disorders**  
Course Number: 644 - B Level  
Course Length: Semester  
Course Credit: One-Half  
Pre-Requisite: None  
Grade Level: Seniors

This course is a basic introduction to psychology which focuses on personality theories and disorders. Research papers and outside reading will be required. Psychology I is not needed to take this course.

Course Title: **AMERICAN GOVERNMENT**  
Course Number: 645 - B Level  
Course Length: Semester  
Course Credit: One-Half  
Grade Level: Juniors and Seniors

This course surveys the elements and organization of U.S. government and basic principles of citizenship. The course will include an examination of the US Constitution, Bill of Rights and the three branches of government. Emphasis will be placed on the election process and preparing students to become informed voters and citizens.

Course Title: **REEL HISTORY: World History through Film**  
Course Number: 646 - B Level  
Course Length: Semester  
Course Credit: One-Half  
Grade Level: Juniors and Seniors

This course is designed to examine some basic concepts in World History through the use of films. Such topics as Imperialism, Militarism, Revolution, Religious Protest, Exploration, Ethnic Cleansing, Slavery, Totalitarianism and Communism may be covered.

## **COMPUTER TECHNOLOGY**

Course Title: **KEYBOARDING**  
Course Number: 700 - B Level  
Course Length: Semester  
Course Credit: One -Quarter  
Grade Level: Freshmen

This freshman required course introduces the student to the operation of a computer and the use of Microsoft Word software. Proper keyboarding techniques are taught through the use of MS Word. In addition to keyboarding skills, the students are instructed in the formatting capabilities of MS Word.

Course Title: **COMPUTER APPLICATIONS**  
Course Number: 701 - B Level  
Course Length: Semester  
Course Credit: One-Quarter  
Pre-Requisite: None  
Grade Level: Sophomores

This sophomore required course continues the instruction of MS Word and introduces students to the basics of other Microsoft Office Programs. The programs taught are MS Access, MS Excel, and MS PowerPoint. Each software program covered requires the student to complete projects and reports from the appropriate software.

Course Title: **ADVANCED COMPUTER APPLICATIONS**  
Course Number: 702 - B Level  
Course Length: Semester  
Course Credit: One-half  
Pre-Requisite: None  
Grade Level: Juniors and Seniors

This hands-on course instructs students in advanced applications of Word, Access, Excel, PowerPoint and/or other demonstration software. Independent learning will be emphasized. Independent study may be required.

## FINE ARTS

### *Visual Arts Electives*

Course Title:           **DRAWING AND PAINTING I**  
Course Number:       800 - B Level  
Course Length:       Semester  
Course Credit:        One-Half  
Grade Level:         Juniors or Seniors

In this course, students will experiment with many drawing and painting materials and techniques. Students will have the opportunity to develop their drawing skills through an intense series of assignments. Materials will include pencil, charcoal, pen and ink, pastel, watercolor and tempera paint.

Course Title:           **DRAWING AND PAINTING II**  
Course Number:       810 - B Level  
Course Length:       Semester  
Course Credit:        One-Half  
Pre-Requisite:        Drawing and Painting I and permission of instructor  
Grade Level:         Juniors or Seniors

This course is designed for students who like to draw and paint and have experience or ability in art. A wide range of assignments will encourage the exploration of a personal direction in art. Materials will include pencil, charcoal, pastel, watercolor, tempera, and acrylic paints. Independent study may be required.

Course Title:           **SCULPTURE**  
Course Number:       825 - B Level  
Course Length:       Semester  
Course Credit:        One-Half  
Grade Level:         Juniors or Seniors

This course focuses on the study of three-dimensional design. Using a variety of materials, students will create sculptural forms, both realistic and abstract. Projects will include modeling, carving, and construction.

Course Title:           **DESIGN/PRINTMAKING**  
Course Number:       830 – B Level  
Course Length:       Semester  
Course Credit:        One-Half  
Grade Level:         Juniors/Seniors

This course is an introduction to the basics of art design and printmaking. Students will learn to develop their skills and creativity using drawing, painting and printmaking materials. Computer based assignments will be given. No prior experience needed.

## ***Performing Arts Electives***

Course Title:               **INTRODUCTION TO THEATER ARTS**  
Course Number:           805 – B Level  
Course Length:            Semester  
Course Credit:            One-Half  
Grade Level:              Juniors/Seniors

This course is intended to provide the student with a greater understanding of, practice in, and appreciation for all dimensions of the live theater experience. This will include acting, directing, lighting, set design, and make up. This will be accomplished through readings, discussions, projects, student centered classroom activities and critiquing of live performances off campus.

Course Title:               **MATERIALS OF MUSIC**  
Course Number:           835 – B Level  
Course Length:            Semester  
Course Credit:            One-Half  
Grade Level:              Juniors/Seniors

This course is intended for students who appreciate music and desire a clearer understanding of the art form. The basics of music notation will be covered including reading notes, learning to write music, and learning to translate sound to music notation. Written and listening exercises and playing instruments will provide the basis for study. Students will listen to great musical works from the various periods of Western Music along with American musical styles. In addition, those who sing or play an instrument by ear will find the course a helpful aid in their development as musicians

Course Title:               **AMERICAN POP MUSIC**  
Course Number:           850- B Level  
Course Length:            Semester  
Course Credit:            One-Half  
Grade Level:              Junior/Seniors

This course is intended for students who appreciate listening to popular music and want to gain a clearer understanding of how popular music has developed in the United States. The emphasis of this course will span over the past hundred years tracing the evolution of Jazz, Rock and Roll, R&B and Rap. Through classroom discussions, group-work, listening and viewing exercises and possible concert attendance students will gain a clearer understanding of the music in the United States.

Course Title:               **VOICE CLASS (Chorus)**  
Course Number:           840 – B Level  
Course Length:            Semester  
Course Credit:            One-Half  
Grade Level:              Juniors/Seniors

This course is intended for students who want to learn and perform all types of voice music ranging from the classical and popular styles. Drawing from important American musical styles, the class will also study and perform Vocal Jazz music and Musical Theater styles. Students will learn how to sing correctly and maintain proper vocal health. By learning diverse styles of music, students will discover and conquer challenges found in each type of music.

Course Title: **MUSIC THEORY AND EAR TRAINING**  
Course Number: 845 – B Level  
Course Length: Semester  
Course Credit: One-Half  
Pre-Requisite: Materials of Music course and permission of Music Director  
Grade Level: Seniors

This course is intended for the student who has background in reading, writing and performing music. The student must have private lessons before taking this course. This course will go into depth covering Music Theory Topics introduced in the Materials of Music class. This class could possibly run with Materials of Music assigning Independent Study topics to the advanced student. This course is designed for those students who desire to major or minor in music. The student must pass a Music Theory Competency Exam before taking this course.

## **BUSINESS ELECTIVES**

Course Title: **ACCOUNTING I**  
Course Number: 710 - B Level  
Course Length: Year  
Course Credit: One  
Grade Level: Juniors/Seniors

This course is designed to present the objectives and basic fundamentals of accounting. Topics include recording of transactions, posting, trial balances, worksheets, adjustments, special books of original entry, subsidiary ledgers, payroll, depreciation, accrued income expenses, and computer based accounting.

Course Title: **PRINCIPLES OF MANAGEMENT**  
Course Number: 752 - B Level  
Course Length: Semester  
Course Credit: One-half  
Grade Level: Juniors/Seniors

This course is designed to familiarize students with the characteristics, organization, and operation of a business. Real-life scenarios, realistic business situations, and real-world information are used to give students an understanding of the way business works as it develops their technical knowledge and competence.

Course Title: **SPORTS AND ENTERTAINMENT MARKETING**  
Course Number: 760 - B Level  
Course Length: Semester  
Course Credit: One-half  
Grade Level: Juniors/Seniors

This course examines marketing of sports and sports entertainment as well as the world of entertainment marketing. Topics will include the connections and contrasts between sports and entertainment, basics of marketing, market research, sponsorship, licensing and promotion of sports and entertainment products and services.

## PHYSICAL EDUCATION - HEALTH

The main objectives of the Physical Education curriculum is to have the students of Saint Raphael Academy learn about athletic and recreational activities, gain an accepted attitude about sportsmanship, and develop a healthy desire to pursue lifelong fitness through various types of physical activities. The main objectives of the Health curriculum is to have students learn about their bodies, to also learn to explore further information regarding their total health through various means of research, and to be open to discuss health topics in a co-educational environment.

### OVERVIEW

9 + 10 Grade	PE and HEALTH	CO-EDUCATIONAL
11 + 12 Grade	PE	SEPARATE GENDER CLASSES (some exceptions)

All PE and Health Classes meet two days out of the 7 Day cycle.

### HEALTH CURRICULUM

9<sup>th</sup> Grade Health - 2<sup>nd</sup> Quarter: Human Sexuality Education and Tobacco, Alcohol, and Drug Education  
10<sup>th</sup> Grade Health – 3<sup>rd</sup> Quarter: Fitness Education and Nutrition Education  
All 9<sup>th</sup> and 10<sup>th</sup> grade students are required to take and pass Health.

### PE CURRICULUM

	9/10	11/12
1 <sup>ST</sup> Quarter	Speedball –Fitness Testing	Touch Football-New Games
2 <sup>nd</sup> Quarter	Basketball-Weight Training	Basketball-Pickleball
3 <sup>rd</sup> Quarter	Basketball-Weight Training	Volleyball-Weight Training
4 <sup>th</sup> Quarter	Softball-Games Unit	Lacrosse-Softball

All students are required by Rhode Island state law to participate in a physical education program. Saint Raphael Academy requires that each student earn .25 credits in physical education each year. All students must participate and successfully complete a PE program unless a valid medical excuse from a physician is filled with the PE Department and the school nurse. 11<sup>th</sup> and 12<sup>th</sup> grade students who participate on a Saint Raphael JV/Varsity Team have the option to be exempt from PE Class during that sport season.

Course Title: NINTH GRADE PHYSICAL EDUCATION AND HEALTH  
Course Numbers: 901; 902 (BOYS)  
Course Numbers: 904; 905 (GIRLS)

Course Title: TENTH GRADE PHYSICAL EDUCATION AND HEALTH  
Course Numbers: 921; 922 (BOYS)  
Course Numbers: 923; 924 (GIRLS)

Course Title: ELEVENTH GRADE PHYSICAL EDUCATION  
Course Numbers: 931; 932 (BOYS)  
Course Numbers: 951; 952 (GIRLS)

Course Title: TWELTH GRADE PHYSICAL EDUCATION  
Course Numbers: 941; 942 (BOYS)  
Course Numbers: 961; 962 (GIRLS)