

2011



2012

PROGRAM OF STUDIES

MISSION STATEMENT

Matignon High School is an independent, Catholic, co-educational, high school committed to teaching and promoting Catholic morals and principles, academic excellence, respect for oneself and others, civic responsibility and service to others. Matignon High School is dedicated to motivating life-long learners to meet today's challenges and to positively contribute to the future of the global community.

CREDITS REQUIRED FOR GRADUATION

4 Theology	3 Social Studies
4 English	0.5 Physical Education/Health
2 Language	0.5 Art
3 Mathematics	2 SAT Prep
3 Science	5 Electives
0.5 Advanced Computer Applications	

COURSES RECOMMENDED BY FOUR YEAR COLLEGES*

4 English	3-4 Science
3 Language	3 Social Studies
4 Mathematics	4-6 Electives

*Depending on type of school and program of interest.

GRADE 9 REQUIREMENTS

Theology I
English 1
World History
Algebra I
Biology
Foreign Language
Physical Education / Health[†]
SAT Critical Reading^{**}

GRADE 10 REQUIREMENTS

Theology II
English II
Science
Math
Foreign Language
Introductory Art^{**}
SAT Math^{**}

GRADE 10 ELECTIVES

World Cultures
Latin / French / Spanish
Chemical / Physical Principles
Chemistry
2 Maths: Geometry Honors[†] &
Algebra II Honors[†]

GRADE 11 REQUIREMENTS

Theology III
English III
U.S. History
Math
Science
SAT Critical Reading^{**}
SAT Math^{**}

GRADE 12 REQUIREMENTS

Theology IV
English IV
20th Century U.S. History

ALL STUDENTS ARE REQUIRED TO CARRY SEVEN CREDITS PER YEAR.

ELECTIVES

Physical Education^{**}
Trigonometry
Pre-Calculus[†]
Adv. Placement Calculus[†]
Psychology
Algebra II (All levels)
Law

Adv. Placement English[†]
Writing Workshop[†]
Chemistry
Physics
Anatomy / Physiology
Adv. Placement Biology[†]
Adv. Placement French[†]

French (All levels)
Adv. Placement Spanish[†]
Spanish (All levels)
Adv. Placement Latin[†]
Latin (All levels)
Accounting I
Graphic Design^{**}

Intermediate Art^{**}
Senior Internship^{**}
Adv. Computer Applications^{**}
Music Appreciation^{**}

[†]Department approval required

^{**}Semester courses

MATIGNON HIGH SCHOOL

Expect Excellence

PHILOSOPHY

Matignon High School is a Catholic, co-educational, college preparatory, Archdiocesan Central School staffed by religious and lay teachers. Matignon's administration, faculty and staff are committed to and charged with both the academic expertise demanded of an accredited secondary school and the unique challenges of a Catholic school: to teach Christian Doctrine, to form a faith community, and to inspire its students to serve all people. With these goals in mind, Matignon aims to provide experiences within a Christian community that will enable students to grow to their fullest capacity intellectually, spiritually, emotionally, physically, and socially. Such experiences will enable them to be responsive to the needs of others and to fulfill their personal, spiritual, moral, and civic responsibilities. Matignon offers its students the opportunity to work together according to Christian principles and within a structured program.

OBJECTIVES

ACCORDINGLY, THE OBJECTIVES OF MATIGNON HIGH SCHOOL ARE:

1. To assist in the development of the students' religious beliefs by providing doctrinal instruction and opportunities for religious and liturgical experiences.
2. To provide a sound and basic framework of instruction which would encourage critical thinking, afford academic challenge and foster creativity.
3. To create an environment wherein Christian morals and social values provide for the development of the student's self-worth and an awareness of others.
4. To develop a sense of belonging to a community which includes students, faculty, administration, staff, and family.

PROGRAM OF STUDIES

The Program of Studies describes the course offerings at Matignon High School from which selections may be made to meet the particular need of each student. Each student must carry a program load of seven courses a year, totaling seven units per academic year. Individuals should base course selections on personal abilities, interests and aptitudes as well as requirements of a well-balanced, college preparatory education. Serious discussions with parents, teachers, and counselors are vital in this important decision-making process.

WE URGE ALL STUDENTS TO PURSUE A PROGRAM THAT IS AS DEMANDING AND CHALLENGING AS POSSIBLE IN ORDER TO:

(1) develop their God-given talents to the fullest; (2) increase their chances for admission to college; and (3) expand their options and potential for success in college and life. Students who limit themselves to meeting only the basic requirements in a minimal fashion may reduce their chances for admission and will find the transition to college more difficult.

ALL COURSES ARE BASED ON A LEVEL SYSTEM. Students select the level of difficulty according to their achievement / ability and requirements in a given subject and are placed at the time of course registration if all prerequisites for entrance are met.

The higher the level the more intellectually challenging the course.

LEVELS ARE DEFINED AS FOLLOWS:

- College Prep Level 2 = Standard;
- College Prep Level 1 = Average;
- College Prep Level Honors = Above Average;
- College Prep Level A.P. = Advanced Placement.

No student may take three full-year courses from the same department in one academic year.

The ADVANCED PLACEMENT (AP) PROGRAM, sponsored by the College Entrance Examination Board (CEEB) since 1955, makes college level courses available in 8 different subjects. All advanced placement courses have been approved by the College Board 2007 course syllabi audit. It is required that students enrolled in A.P. courses take the exam in the spring. Students and parents will sign a contract requiring that a student participate in the advanced placement examination. Students who successfully complete the intensified course and the administered examination may receive college credits.



THEOLOGY

CHRISTIAN SERVICE

The Theology Department and the Campus Ministry program at Matignon view learning as a process which integrates the development of intellectual, emotional, physical, social and spiritual dimensions of life. Teachers provide a sound and basic framework for instruction and academic challenge and help students by witnessing in their own lives models of faith in practice. The motto of Matignon High School is "Let us be Christbearers." The school identifies with Christ who is in our midst as one who serves others. All Matignon students are required to perform a minimum of thirty hours of Christian service in a supervised setting as a requirement for graduation. Students write reflection papers on their experiences and share their perceptions in their Theology classes. In theology classes, students use SmartBoards to amplify points taught and grow in awareness. Teachers use both SmartBoards and PowerPoint to teach and review material. Music, poetry, and reflection help students to stimulate prayer.

511 OLD TESTAMENT - (COLLEGE PREP LEVEL 1) TWO SEMESTER COURSE

This course will introduce each student to the richness and variety of writings which comprise the Hebrew Scriptures. It also examines the relationships of the Israelites with God and compares this to the adolescent's struggle in forming an identity and relationship to God. A general introduction will be given followed by a more detailed study of the Pentateuch and prophetic, wisdom and historical writings. Time is given throughout the course to examine moral issues facing the student today. This course will familiarize the student with the culture and heritage of Jesus. PowerPoint and SmartBoards are used to bring home lessons related to the Scripture stories.

521 CHRISTOLOGY - (COLLEGE PREP LEVEL 1) TWO SEMESTER COURSE

This course is designed to acquaint the students with the person Jesus and the various aspects of His life and ministry. It probes the mystery of the Incarnation and the nature of Jesus as both God and a man. It makes a study of the public life of Jesus as teacher and healer, and treats of the Pascal Mystery, the Death and Resurrection events. Students will study the Catholic Church and learn of the major developments and key persons in church history.

531 SACRAMENTS - (COLLEGE PREP LEVEL 1) FIRST SEMESTER

This course is designed to enable students to have an understanding and appreciation of the seven Roman Catholic sacraments as signs of the Lord's continuing presence. Each sacrament is then studied individually. The student is to examine the history of the particular sacrament, its meaning in the context of the Christian community and its significance. SmartBoards are used to amplify the contents of the course and to review material.

531 MORALITY - (COLLEGE LEVEL PREP 1) SECOND SEMESTER

A course which is designed to help students develop attitudes about life, themselves, other persons and their relationship with God. The course begins by asking the question "Who are You?" and goes on to explore the identity of the student as a Christian. The development of conscience, existence of sin, respect for life and levels of moral development are contemplated and discussed. To supplement the course, current articles, periodicals, films and guest speakers are used to present Christian morality in a contemporary fashion.

541 CHRISTIAN FAITH AND PARTICIPATION IN SOCIETY - (COLLEGE PREP LEVEL 1) FIRST SEMESTER

This one semester course will examine the relationship between Christian faith and the search for peace and justice in our communities, nation and the world. Students will examine current issues such as homelessness, world hunger, racism, sexism, human rights, poverty and war. Students will discuss these topics in the context of Catholic social teaching and Biblical values. Various approaches / attempts to alleviate these problems will be considered. SmartBoards are used to amplify the contents of the course and to review material.

541 SEXUALITY, RELATIONSHIPS, MARRIAGE & LIFE STYLES - (COLLEGE PREP LEVEL 1) SECOND SEMESTER

This course is a study of the importance and need for good, healthy relationships in our lives. In learning how to relate to others it discusses friendship, love, dating and premarital sex. It treats also the issue of faulty communication and nonverbal communication. It develops the fundamental concepts of marriage, attitudes towards its meaning and goals. It considers marriage as Sacrament and the roles of men and women — their expectations and communications before and during marriage. It also considers religious and the single life. SmartBoards are used to amplify the contents of the course and to review material.

*Over 95% of our
graduating seniors
attend the college
of their choice.*



ENGLISH

The Prentice Hall Literature Series is designed to appeal to all ability levels and is used throughout the English curriculum, with the exception of the Advanced Placement class which uses a college-level text.

The series provides a literature-based language arts and humanities program and a process approach to writing. Throughout the English curriculum creative, critical thinking and writing skills are introduced, practiced or extended as students progress.

All classes are required to complete the reading of supplementary literature, both in the summer and during the course of the year. Through the SAT program, preparation for the College Board Entrance Exams is an integral part of the curriculum. In addition, each level of English from 9-12 introduces or reviews, through SmartBoard technology, research paper skills and goals of non-print media.

011 ENGLISH I – (COLLEGE PREP LEVEL 1)

Freshman English reviews study skills, usage rules and introduces the writing process, reading strategies, collaborative learning methods and skills necessary to analyze a variety of texts, including non-print media. In addition, the summer reading program provides the basis for literary analysis and initial language development. Through both outside and in-class readings, the course will concentrate on vocabulary acquisition and usage. These readings provide the foundation for an integrated approach to literature and composition, focusing on the structure of the expository essay. Oral, interactive, and multimedia presentations using SmartBoard technology are required. The primary objective of this course is to provide students with the fundamentals to advance through the Language Arts curriculum.

012 ENGLISH I – (COLLEGE PREP LEVEL 2)

Freshman English introduces fundamental language arts skills necessary to communicate ideas. The course provides students with opportunities in reading, writing, speaking, and listening. Vocabulary and basic grammar are taught through various writing and reading assignments. Once established, these acquired skills can then be applied to the students' reading and comprehension of various literary genres. These reading strategies culminate in the composition of the expository essay. Department approval is required.

016 ENGLISH I HONORS – (COLLEGE PREP LEVEL HONORS)

Honors English instills an appreciation of literature and an appetite for reading through analysis of various texts. Close readings and writing assignments emphasize critical thinking and the necessity of precision in written and in verbal expression. Focusing on the development of a thesis statement, the format of the writing process is explored using literary and student-based ideas. In addition, reading comprehension strategies, the mechanics of grammar and standard usage are reviewed. Course requirements include the ability to read, write, and discuss with insight as well as an above-average command of language skills. Through group projects, preliminary research skills are introduced. Department approval is required.

019 SAT GRADE NINE LANGUAGE ARTS

Students in grade nine will be developing their vocabulary and addressing problems in grammar and usage. In addition, both critical reading exercises and reading comprehension questions will be an integral part of the course. During the first four weeks the course will concentrate on developing a college-level vocabulary, mastering sentence-completion questions, and recognizing and correcting problems in grammar and usage. By studying clues from etymology, students will learn common prefixes and root words, a necessary tool to enhance vocabulary. The second half of the course will teach strategies for short & long reading comprehension passages. Drawing inferences, finding the main idea, and understanding tone, will be the focus for the critical readings.

021 ENGLISH II – (COLLEGE PREP LEVEL 1)

Sophomore English continues the study and development of writing, speaking, vocabulary, grammar, and reading comprehension skills in conjunction with the study of literature. The steps of the writing process are reinforced and designed to improve students' ability to produce multi-paragraph essays in subjects taken from the readings and from students' experience. Public speaking skills are taught in conjunction with literature. Grammar is continually reinforced through creative and critical writing. Literary selections explore recurring themes, ideas and forms in the works of classical and contemporary authors.

022 ENGLISH II – (COLLEGE PREP LEVEL 2)

Sophomore English continues to emphasize the traditional grammatical rules of written English. The course reinforces the usage of conventional skills in reading, writing, speaking, and listening. Exercises in vocabulary essential to the accumulation of word knowledge are an integral part of the curriculum. Ancillary preparation in essay writing focuses on responding to themes appearing in classical and contemporary texts. Department approval is required.

026 ENGLISH II HONORS – (COLLEGE PREP LEVEL HONORS)

This course meets the requirements of Sophomore English but with a more intense analysis of literature. A continuation of challenging close readings as well as thesis-based compositions will reinforce higher level critical-thinking skills. Vocabulary, speaking and research abilities remain a primary objective of the curriculum. Department approval is required.

031 ENGLISH III – (COLLEGE PREP LEVEL 1)

Junior English is based upon the study and analysis of major works in American fiction and drama that reflect the values and concerns of American literary and historical thought. Continued emphasis is placed on the writing process with special attention to the development of a logical argument in creating persuasive essays in preparation for the SAT. Additional attention is given to researching and creating multi-paragraph literary analysis. Students participate in various collaborative writing activities, including peer consultation and evaluation. The writing program culminates in the production of a six-to-eight page MLA research paper on an approved topic.

032 ENGLISH III – (COLLEGE PREP LEVEL 2)

Junior English focuses on specific instruction in the planning and writing of essays using techniques of the writing process to formulate and support a thesis. Initially, students will create experience-based paragraphs to practice fundamental concepts in the mechanics of grammar, the structuring of sentences, and standard written usage. Students will then learn the fundamentals of developing a logical argument through creating persuasive essays in preparation for the SAT. Gradually, writing will progress to literature based multi-paragraph essays, culminating in the preparation and writing of a four-to-six page MLA research paper based on American Literature. In addition, students will read and analyze selections representative of the spirit and values of American literary thought. Study skills already acquired are continually reinforced.

Department approval is required.

036 ENGLISH III HONORS – (COLLEGE PREP LEVEL HONORS)

The chronological approach to American Literature invites the student to discover the major literary and artistic movements which best reveal the intellectual and emotional life of America. Through an in-depth reading of fiction, non-fiction, poetry and drama, the student can evaluate the historical relevance of various literary styles. Through class projects, vocabulary, public speaking and oral presentations, communication skills are emphasized. Composition work based on themes of the literature, reading comprehension skills as well as the production of a seven-to-ten page analytical paper are required in the course. An appreciation for fine art is fostered through exercises in free writing and fluency.

Department approval is required.

039 SAT GRADE ELEVEN LANGUAGE ARTS

Designed to prepare the students for the May SAT exam, this course will concentrate on a review of college-level vocabulary, identifying sentence errors, and improving paragraph writing. Additionally, an in-depth analysis of short, long and paired passages will familiarize students with the challenging readings present in the SAT exam. During the first half of the course, writing and vocabulary exercises through practice SAT tests will work toward mastering the verbal section. In the second half of the course, the class will engage in reading passages to address critical thinking skills and to improve reading comprehension. Understanding figurative language, recognizing the author's style and tone, and differentiating between generalizations and inferences are required skills in mastering the difficult critical readings. Again, questions to test a higher level of thinking will accompany the reading passages.

041 ENGLISH IV – (COLLEGE PREP LEVEL 1)

Senior English traces the development of British literature and language from the fifth century to the twentieth century by focusing on major writers and themes. In conjunction with the study and analysis of literature, emphasis is placed on developing and sharpening the skills needed to write logically developed essays and a six-to-eight page MLA research paper. During the first semester, exercises in vocabulary and standard usage focus on immediate preparation for the College Board.

043 WRITING WORKSHOP

The aim of Writing Workshop is to provide opportunities for students who desire to refine their style of writing and who want to learn newswriting techniques and the fundamentals of journalism. Newswriting, reporting, editing, and techniques for producing the school newspaper, *The Matignon Mirror*, are covered. For the remaining part of the year, students will produce creative and expository writing projects.

PREREQUISITE: B+ average in English, recommendation by a teacher familiar with the writing and creative skills of the student, and approval of the English department.

046 ENGLISH IV HONORS – (COLLEGE PREP LEVEL HONORS)

A chronological approach to the study of British literature challenges students to explore the cultural realities, literary movements and writers' techniques that shape the literature of England. An introduction to literature from other countries, both Western and non-Western, supplements this course. Speaking and writing assignments emphasize interpretation, analysis and synthesis of ideas. Students produce creative assignments and will write frequent short papers honing their skills in literary analysis. In addition, they will write an eight-to-ten page literature-based research paper. Oral presentations using SmartBoard media and humanities-based teaching teams figure extensively in this class. This class is designed for students who enjoy reading and research, who desire to improve their writing style and who are comfortable working independently on a variety of projects in addition to their daily class work.

Department approval is required.

047 ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION – (COLLEGE PREP LEVEL ADVANCED PLACEMENT)

Designed to offer the highly advanced student the challenge of college-level English, Advanced Placement English affords the students the opportunity to complete extensive reading selected from major genres and time periods. This reading includes Classical, Shakespeare and Modern drama; poetry; satirical essays; and modern Western and non-Western fiction. Frequent essays are assigned, including poetry explications and student-designed literary analysis. AP English students are also expected to complete an analytical, humanities-based research paper. In addition, students work collaboratively in the actual teaching of a novel or play. Students are invited as well to create original illustrations, journals, poems or skits. Excellent critical thinking skills in reading, writing and speaking are expected in this seminar-format class. At the completion of the course, students are required to take the College Board Advanced Placement Exam in English Literature and Composition, which may award college credits for performance.

Department approval is required.

*Smart Board Technology
in Every Classroom*



SOCIAL STUDIES

It is the goal of the Social Studies Department to provide every student with the knowledge required for active participation in the democratic process. The program emphasizes global awareness, development of the political, economic and social institutions of the United States and our present day relationship with the nations of our global community. The learner will be provided with the tools required for good citizenship in today's ever changing world. Courses utilize the SmartBoard multi-media technology to display class notes on PowerPoint as well as charts, maps, pictures, video, and internet websites for analysis and enrichment.

111 WORLD HISTORY - (COLLEGE PREP LEVEL 1)

As students face the complicated contemporary world, it is imperative that they have a sound working knowledge of what has gone before. The main purpose of this course is to provide the students with a comprehensive survey of world history that will help them understand their own times. This course will show the continuity of history, the sweeping forces that shaped events, and the influence of each era upon succeeding times. Great attention will be given to balancing political and economic developments with the growth of ideas, religion, education, the arts, and other aspects of intellectual / social history.

112 WORLD HISTORY - COLLEGE PREP LEVEL 2)

This freshman level course will give the student a basic understanding of world history from prehistory to the Age of Exploration. This course will provide the learner with the fundamentals of historical knowledge needed to continue his/her social studies education at Matignon High School. Emphasis will be placed on reading, comprehension, synthesizing information, and the academic skills needed for success in social studies. Department approval is required.

116 WORLD HISTORY HONORS - (COLLEGE PREP LEVEL HONORS)

This honors course will require the student to do much more than follow the text book. Students will be required to do out of class research and reading. Analytical skills will be stressed. Approval of Department is required.

121 WORLD CULTURES - (COLLEGE PREP LEVEL 1)

This Sophomore elective examines major nations and regions of the world. An individual nation is viewed in terms of its historical background, its people, and its culture. China, Africa, Japan, the Middle East, Russia, and Latin America are studied in depth in this approach. Each unit offers the students the chance to view these areas as they are today, based on their recent and distant past. The intent of the course is to broaden the students' horizons about other people and times, with the aim of providing a general appreciation for man's variety of lifestyles. There will be projects that will carry out this theme in which outside readings, newspapers, and news reports will have to be researched.

122 WORLD CULTURES - (COLLEGE PREP LEVEL 2)

This Sophomore elective examines major nations and regions of the world. Some of the countries that will be studied are China, Africa, Japan, the Middle East, Russia, and Latin America. Each area will be taken up separately by utilizing all facets of the social science. This objective will be accomplished by concentrating on map skills, which develop a concrete awareness for the student of the actual make-up of the area when it comes to geographical features, population, climate, history, and economy. A current event aspect will also be incorporated so that each student will know how and why we view the various countries as we do today. Department approval is required.

126 WORLD CULTURES HONORS - (COLLEGE PREP LEVEL HONORS)

This honors sophomore elective examines major nations and regions of the world. The student will be expected to do honors level work. Emphasis will be placed on analyzing political, geographical, socio-economic and religious issues affecting people of all cultures. Students will be expected to do research work as well as written and oral presentations.

131 UNITED STATES HISTORY - (COLLEGE PREP LEVEL 1)

This course surveys the political, economic, and social strands that make up the fabric of American History. The course traces changes in the democratic process, makes clear the effects of the industrial expansion and agricultural improvements, and outlines the growth of the United States into a technological society with worldwide influence. By highlighting significant individuals, issues, and events, the course shows the development of these strands in a meaningful way.

132 U.S. HISTORY - (COLLEGE PREP LEVEL 2)

This required course for all Juniors focuses on the origins and the development of the government, economy, and society of the United States and on the role this nation has played in world affairs. The basic values of the American political system — individual rights, government by the consent of the governed, and equal opportunity — are discussed in depth and reinforced throughout the course. Department approval is required.

133 PSYCHOLOGY - (COLLEGE PREP LEVEL 1)

This elective is designed to introduce students to the scientific principles of human behavior. Students will be exposed to the various domains of psychology including cognition, human development, personality, and mental disorders. Through introspection and discussion, students will develop a better understanding of their self and others. Students will actively engage in demonstrations and research, in addition to analyzing case studies. Emphasis will be placed on discovering how and why humans change over the course of life, as well as why humans stay the same.

136 U.S. HISTORY HONORS - (COLLEGE PREP LEVEL HONORS)

As in College Prep 1 course, students in this program will use a chronological approach to study the origins and growth of

our country. In addition, students will be expected to do original research on selected topics. A required aspect of the course is the analysis of a variety of outside reading material. This course aims to challenge the students to expand their knowledge of American History in a critical fashion. Approval of the department is required.

137 ADVANCED PLACEMENT U.S. HISTORY TO 1900 - (COLLEGE PREP LEVEL ADVANCED PLACEMENT)

This is the first part of an advanced level course challenging the student to do college work. The Advanced Placement credit given for this course is recognized and accepted by many colleges and will allow the student to move to more advanced courses at the college level. Particular attention will be given to library assignments, the research paper, and DBQ. Admission is dependent on departmental approval.

141 TWENTIETH CENTURY U.S. HISTORY - (COLLEGE PREP LEVEL 1)

This required course will focus solely on 20th Century United States history. Special emphasis will be placed on America's transition from an isolationist Nineteenth Century country to a Twentieth Century global power. Focus will be placed on the United States' relationships with other nations within this period.

142 TWENTIETH CENTURY U.S. HISTORY - (COLLEGE PREP LEVEL 2)

This survey course is designed to give high school seniors a better understanding of America's role in the twentieth century world. Department approval is required.

146 TWENTIETH CENTURY U.S. HISTORY HONORS - (COLLEGE PREP LEVEL HONORS)

This honors level course will trace the evolution of the United States from developing nation to superpower. Emphasis will be placed on analyzing the increasing U.S. interaction with the global community. The learner will be required to do research and examine outside sources. Economics, politics, and foreign affairs will be stressed.

147 LAW - (COLLEGE PREP LEVEL 1)

This course will provide an understanding of practical law (criminal, civil, consumer, family, and housing) which will be of use to students in their everyday lives. A better understanding of law will lead to the development of a more positive attitude on the part of students as active citizens in a democratic society. An analysis of case law and film will provide the opportunity for the student to improve analytical and critical thinking skills. Students will have the opportunity to observe the judicial system in action as well as take part in mock trial simulations.

148 ADVANCED PLACEMENT U.S. HISTORY 1900 TO PRESENT - (COLLEGE PREP LEVEL ADVANCED PLACEMENT)

This is the second part of an advanced level course challenging the student to do college level work. Upon completion of this course it is suggested that the student take the A.P. exam. Admission is dependent on departmental approval.

149 ECONOMICS - (COLLEGE PREP LEVEL 1)

Our American free enterprise system is based on the free exercise of individual choice. The primary goal of this course is to explain the role that economics plays in understanding and improving the quality of the choice-making process through the study of particular units—individual consumers, business firms, government and other institutions. An introduction to economics and the American free enterprise system is provided by employing a logical building-block learning strategy. Economic decisions are initially examined from an individual viewpoint then expanded to social choice, choices of individual consumers and producers in the market place and finally to individual business firms and markets. During the second semester of the course, students will be given opportunities to make practical applications of the concepts learned in semester one. Students will organize and run a company, participate in a management and economics simulation and meet weekly with a local business consultant. During this semester students will also participate in the Boston Globe Stock Market Competition and Junior Achievement.



MATHEMATICS

The mathematics department offers a variety of levels to accommodate different learning styles and ability levels. Each course covers the same core curriculum, but the speed, depth, and individual responsibility differs from level to level. Each subsequent course builds on the content knowledge learned and adds new information necessary for mastery of the subject. Courses include a review of previous material and emphasizing problem solving, communication, reasoning, and making connections. Throughout the curriculum, creative and critical thinking are developed; inductive and deductive reasoning are explored; reading, listening, and computational skills are reinforced; and real world applications are examined through individual and cooperative learning activities. In each course Smart Board technology allows teachers and students to use the interactive and multimedia aspects of the integrated software, use the web, run educational software, and to make presentations. Considering importance of mathematics in daily activities and in future occupations, it is strongly recommended that students take four years of Mathematics.

211 ALGEBRA I - (COLLEGE PREP LEVEL 1)

Students will use properties of real numbers to simplify numerical and algebraic expressions, will solve and apply equations and inequalities. Operations with polynomials, rational and irrational expressions, factoring, solving polynomial equations, graphing linear equations and inequalities, solving systems of linear equations, and radical equations will be covered. The interactive aspects of the Smart Board integrated software is used in this course. Placement in this course is determined by the Math Department.

212 ALGEBRA I – (COLLEGE PREP LEVEL 2)

Algebra I is designed to improve the students' math ability and to raise them to a higher level for college. Emphasis will be placed on mastering pre-algebra objectives prior to each algebraic concept. The students will review the computation of real numbers as they are introduced to the operations of variables, polynomials, and rational numbers. The students will learn to solve equations, inequalities, graphing linear equations and to be ready for the algebra needed in geometry. The interactive aspects of the Smart Board integrated software is used in this course. Placement in this course is determined by the Math Department.

216 ALGEBRA I HONORS – (COLLEGE PREP LEVEL HONORS)

Students will cover the same material as in Level I, but in greater depth and at a quicker pace. The problems covered require increased critical thinking skills. The ability to communicate an algebraic concept is emphasized. The interactive aspects of the Smart Board integrated software is used in this course. Placement in this course is determined by the Math Department.

221 GEOMETRY – (COLLEGE PREP LEVEL 1)

This geometry course consists of a structured presentation of concepts taught both inductively and deductively. Emphasis is placed on the need for and ability to solve problems using geometric and algebraic concepts. The course stresses the structure of lines, angles, triangles, polygons, and circles. Included in the course is a sufficient review of skills to maintain proficiency in Algebra. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

222 GEOMETRY – (COLLEGE PREP LEVEL 2)

This Level 2 Geometry course consists of a structured presentation of geometric concepts. Emphasis is placed on applications to problems presented. The course covers the concepts of lines, angles, triangles, polygons, and circles. The class is designed to improve students' math abilities by reviewing algebraic concepts as applied to real world concepts. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

226 GEOMETRY HONORS - (COLLEGE PREP LEVEL HONORS)

This Geometry course consists of the completion of various geometric proofs both through inductive and deductive reasoning. The course stresses the geometric concepts associated with lines, angles, triangles, polygons, and circles. The ability to communicate geometric concepts, both orally and in written form, is emphasized. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

229 SAT PREP COURSE FOR SOPHOMORES

This semester course provides the student with an opportunity to review the mathematical concepts of algebra I and general test taking strategies in preparation for the PSAT and SAT. The interactive aspects of the Smart Board integrated software is used in this course.

231 ALGEBRA II – (COLLEGE PREP LEVEL 1)

This course reviews the concepts of Algebra I, including factoring, solving linear and quadratic equations, solving inequalities, and operations on polynomials, and rational expressions. Emphasis is also placed on solving radical equations, solving word problems, and graphing on the Cartesian coordinate system. A TI-84 Silver Edition graphing calculator is required. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

232 ALGEBRA II – (COLLEGE PREP LEVEL 2)

This course includes a review of Algebra I topics. In addition, the course stresses quadratic equations, radical equations, graphing and systems of equations as applied to real world applications. A TI scientific calculator is required. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

236 ALGEBRA II HONORS - (COLLEGE PREP LEVEL HONORS)

Algebra II covers topics in algebra in a thorough way and presents groundwork in trigonometry. Emphasis will be placed on understanding the laws of algebra and the ability to demonstrate this understanding by solving linear, fractional, quadratic, radical equations and inequalities. Problem solving skills are stressed. Trigonometric topics covered will provide a foundation for students moving into Pre-calculus. A TI-84 Silver Edition graphing calculator is required. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

239 SAT PREP COURSE FOR JUNIORS

This semester course provides students an opportunity to review the mathematical concepts of geometry and algebra in preparation for the SAT 1 exam. The interactive aspects of the Smart Board integrated software is used in this course.

241 TRIGONOMETRY – (COLLEGE PREP LEVEL 1)

Topics include the introduction of circular trigonometry and its relation to applications of right triangle trigonometry. An in-depth study of triangles, trigonometric functions, identities, graphing and trigonometric equations is covered. A TI-84 Silver Edition graphing calculator is required. The interactive aspects of the Smart Board integrated software is used in this course. Department approval is required.

Student / Teacher Ratio - 17:1

245 PRECALCULUS – (COLLEGE PREP LEVEL HONORS)

Topics include the introduction of circular trigonometry and its relation to applications of right triangle trigonometry. Emphasis is placed on graphing, and analytic concepts including identities and trigonometric equations. Students are expected to develop an understanding of advanced concepts related to functions; including logarithmic, exponential, and parametric functions. A TI-84 Silver Edition graphing calculator is required. The interactive aspects of the Smart Board integrated software is used in this course.

Department approval is required.

246 INTRODUCTION TO CALCULUS HONORS – (COLLEGE PREP LEVEL HONORS)

This course introduces students to differential and integral calculus. Advanced algebraic topics, concepts of extrema, limits, derivatives, curve sketching, and antiderivatives and their applications will be covered. This course prepares a student to take an introductory calculus course in college. A TI-84 Silver Edition graphing calculator is required. The interactive aspects of the Smart Board integrated software is used in this course.

Department approval is required.

247 ADVANCED PLACEMENT CALCULUS – (COLLEGE PREP LEVEL ADVANCED PLACEMENT)

This course provides an intensive college level study of Calculus designed to prepare students to take the Advanced Placement AB Calculus examination. This course follows Advanced Placement guidelines set by the College Board. Emphasis is placed on the rule of five in problem solving situations: analytic, algebraic, graphical, numerical, and verbal. Applications of derivatives and integrals using polynomials, trigonometric, exponential, and logarithmic functions as they relate to real world settings are presented. Derivatives, as rates of change, integrals as the limits of Riemann sums, the Fundamental Theorem of Calculus and its implications, the theory of limits and slope fields are topics of major study in the course. Use of graphing calculators to model, analyze, hypothesize, and construct proofs, using analytical methods, is an integral part of the course. Other topics include polar and parametric equations, differential equations, and related rates. A TI-84 Silver Edition graphing calculator is required. The interactive aspects of the Smart Board integrated software is used in this course.

Department approval is required.

*State-of-the-Art
Chemistry,
Physics & Biology
Science Labs*



SCIENCE

The field of Science is a complex system of concepts, procedures and observations that require a systematic approach in order to gain a thorough understanding and appreciation. To gain an understanding of various concepts in the field it is important for students to be able to connect these ideas to the real world where they live. This is accomplished through taking simple and individual pieces of information and building upon past lessons to gain an understanding of complicated and complex theories.

312 BIOLOGY - (COLLEGE PREP LEVEL 2)

This course will also cover a basic overview of Biological Science aiming at the presentation of the subject in a modern relevant manner through a discussion of current topics of interest and importance to the students. It will cover the same topics as Biology level 1, covering the topics a little slower pace and with a little less depth. The instructional approach will include lecture with the use of power point presentations with interactive quizzes and activities, laboratory investigations, and small group discussions. There will be many alternate assessments such as article reviews and posters. Participation in the spring science fair is required of all students.

Departmental approval is required.

313 BIOLOGY – (GRADE 9) (COLLEGE PREP LEVEL 1)

This course will cover a basic overview of Biological Science aiming at a presentation of the subject in a modern relevant manner through a discussion of current topics of interest and importance to students. The units in this course will include a practical application of knowledge in basic biochemistry, cells, genetics, ecology, classification and taxonomy, plants and animals through a comparative systems approach with weekly reinforcement and extension in a laboratory setting. The instructional approach will include lectures, small groups discussions, laboratory investigations, quarterly independent research projects, and interactive activities in the school media center, and the use of power point presentations with interactive quizzes and activities. Participation in the spring Science Fair is required of all students.

316 BIOLOGY HONORS - (GRADE 9) (COLLEGE PREP LEVEL HONORS)

This course is a comprehensive biology course offered to capable and motivated students who have demonstrated strong interest in and aptitude for science in middle school. The honors biology course is designed to provide students with an understanding of the integral relationships among living things and their internal as well as external environment. This program starts with the study of molecular and cellular structures, cell life processes and metabolism, and proceeds to increasingly larger and more inclusive topics such as genetics, biotechnology, plant and animal systems and evolution. The laboratory experience plays a central role in the construction of biological knowledge, and students are encouraged to actively participate in each investigation of the course. Throughout the year, student learning is reinforced by conducting laboratory investigations, quarterly scientific projects, power point presentations and interactive quizzes and activities, and by reading current

scientific articles in the school media center. The course focuses on cultivating analytical thinking processes, abstract reasoning, and independent scientific research capabilities which will be translated into successful completion of a science fair project. It is recommended that the standardized SAT II Biology test administered in June of the sophomore year be taken by those students who have shown a high level of understanding. Placement into this course is competitive and determined by the Science Dept.

331 CHEMISTRY - (COLLEGE PREP LEVEL 1)

This course includes the study of the structure of atoms and molecules, chemical bonding, energy effects, chemical mathematics and problem solving types of reactions, and equation writing, mole theory, gas laws, ionization, and acid-base reactions. The instructional approach includes lectures, power point presentations, interactive quizzes and activities, and small group discussion. The lab will be used for reinforcement of abstract concepts, to teach manipulative skills and to encourage learning by the direct accumulation, assimilation and analysis of qualitative and quantitative data. Lab reports, quarterly research projects, summary of current scientific articles will be required from all students. Participation in the spring science fair is required of all students. Prerequisites: C- average or better in all previous Math Courses.

332 CHEMICAL AND PHYSICAL PRINCIPLES – (COLLEGE PREP LEVEL 2)

This is an introductory course covering key concepts in the areas of physical science, chemical science and earth science. Students will work on basic concepts of the above mentioned areas and will learn to perform basic physical science lab skills. This course will require students to become skilled in writing formal lab reports. The instructional approach will include lectures, power point presentations with interactive activities, and small group discussion. Lab reports, quarterly research projects and presentations, summary of current scientific articles will be required from all students. This course will not replace the more formal exploration of the above mentioned topics in subsequent full-year courses. Department approval is required.

336 CHEMISTRY HONORS - (COLLEGE PREP LEVEL HONORS)

This course is designed for students who desire a more in-depth background in chemistry. As such, this course will cover the same material as general chemistry. However, an accelerated pace allows for the additional investigation of gas laws and stoichiometry, electro-chemistry, kinetics, equilibrium, oxidation-reduction reactions as well as organic Chemistry. The more intensive pace will require those students electing Honors chemistry to have a strong math background and a well-developed sense of abstract reason. Intense project work will be required for all students. The instructional approach will include lectures, power point presentations with interactive activities, and small group discussion. Lab work will be more math-based with detailed lab reports. The media center will be available to students to research and complete projects and lab reports. Participation in the spring Science Fair is required of all students. Prerequisites: B average or better in all previous Math courses and approval of the science department.

341 PHYSICS - (COLLEGE PREP LEVEL 1)

This course is for the student with a mature outlook and a developed sense of responsibility. It reinforces the student's approach to laboratory investigations. The student is introduced to Newton's Laws of Motion, the concept of matter and energy, force, and general motion. It is planned to include topics from the theories of heat, electricity, sound light and nuclear reactions. The instructional approach will include lecture with the use of power point presentations with interactive quizzes and activities, laboratory investigations, and small group problem solving. Participation in the spring Science Fair is required of all students. PREREQUISITES: C average or better in previous Algebra courses as well as a fourth year of math being taken concurrently.

342 HUMAN ANATOMY AND PHYSIOLOGY – (COLLEGE PREP LEVEL 2)

This course is for the student who desires to know how he / she functions. It will cover the same topics as Human Anatomy and Physiology level 1, but at a slower pace and it will not go into as much depth as the regular course. Various labs of physiology and comparative anatomy, as well as short research topics and quarterly projects will be used to reinforce and extend the topics covered in the course. Participation in the school science fair is required of all students. Department approval is required.

343 HUMAN ANATOMY AND PHYSIOLOGY - (COLLEGE PREP LEVEL 1)

This course is for the student who desires to know how the human body functions. Not only is it concerned with how the organism functions, but also why it functions the way it does. The study of the structure of the organism (morphology) and its parts (anatomy), as well as their relationship to function (physiology) will be the main theme of this course. The focal point will be that the human body is an integrated unit at all structural levels, from cell through system. The basic following topics will be studied: cellular organization, nutrition, biochemistry, metabolism, human development, reproduction, and genetics. The instructional approach will include lecture, power point presentations with interactive quizzes and activities, and small group discussions. Various labs of physiology and comparative anatomy, as well as short research papers and quarterly independent projects will be used to reinforce and extend the above topics. Participating in the spring science fair is required of all students.

344 HONORS HUMAN ANATOMY AND PHYSIOLOGY - (COLLEGE PREP LEVEL HONORS)

This course is designed for juniors and seniors who desire a more in depth study of fundamental anatomy and physiology on a system-by-system basis. This course will cover the same topics as Human Anatomy and Physiology level 1. However, the more intensive and accelerated pace of the class will allow for more time to be spent on current issues in genetics, immunology, dieting and nutrition. Other important topics of interest to students will be discussed with the purpose of giving the information needed to create a healthy lifestyle. Through a variety of teaching methods, such as lectures, power point presentations with interactive quizzes and activities, small group interactive

activities, laboratory investigations, and independent research in the school media center, students will gain knowledge of human diseases and health care issues. This course is explicitly aimed at students who want to pursue careers in health fields such as clinical medicine, sports medicine, medical research, kinesiology and other related fields. Participation in quarterly projects and in the spring science fair is required of all students. Departmental approval is required.

346 PHYSICS HONORS - (COLLEGE PREP LEVEL HONORS)

This course is designed for students who desire a more in-depth background in physics. As such, this course will cover the same material as General Physics. However, an accelerated pace allows for more time to be spent on electricity, sound, light, and nuclear reactions. The more intensive pace will require those students electing this course to have a strong math background and a well-developed sense of abstract reason. The instructional approach will include lecture with the use of power point presentations with interactive quizzes and activities, laboratory investigations, and small group problem solving. Participation in the spring Science Fair is required of all students. **PREREQUISITES:** B average or better in all previous math courses and approval of the Science Department.

347 ADVANCED PLACEMENT BIOLOGY (COLLEGE PREP LEVEL ADVANCED PLACEMENT)

AP Biology is an elective, upper level Biology course. The course content is the equivalent of an introductory college-level Biology course designed to be intellectually strenuous, comprehensive, and intensive. The curriculum is aligned with the AP Biology course description and is geared towards the successful completion of the College Board standardized AP exam. This exam is administered in May and qualified students can earn up to two semesters of college credit. During the year students will learn eight topics in Biology that are correlated to the eight major Biology themes specified in the AP Biology curriculum requirement. The eight units include: the chemistry of life; the cell structure, function, and metabolism; heredity and molecular genetics; evolutionary biology; diversity of organisms and taxonomy; structure and function of plants; structure and function of animals; ecology. Emphasis of the course will be on technology and lab skills, experimental concepts, and research projects. Throughout the year field labs are conducted in community labs of scientific institutions and biotech companies to broaden the student's exposure to how science is conducted in Academia and industry. The pace of the class is challenging and fast. Students need to take an active role in their learning and are encouraged to learn independently. At the end of the course, students will gain a broad understanding of how biological systems function and work together in everyday phenomena, as well as an appreciation of how scientific research is done and communicated. Acceptance into the course is competitive and limited. Senior students who have demonstrated academic success and motivation will be invited by the science department into the course. Due to time limitations, each student will be required to complete a substantial amount of work during the summer. **Prerequisites:** approval of department; average of B or better in Biology and Chemistry.



FOREIGN LANGUAGES

Students have the opportunity to study French, Latin, and Spanish during their four years at Matignon. Two years of the same language are required. A third year of the language is highly recommended for all students, with the opportunity to continue to Level V or the AP course. Instruction in sequential levels of the modern languages stresses the development of language proficiency in listening, speaking, reading, and writing. Our goal is to have students use the language accurately and confidently to communicate in real-life situations. Modern language students benefit from interactive textbooks that offer on-line and SmartBoard activities to support and enrich language practice. Language competence enables the students to communicate with other cultures and participate more fully in the global community. All languages introduce students to the contributions of other cultures. Our interdisciplinary curriculum integrates topics of cultural importance. In all languages the study of word origins, derivatives, cognates, and the history of language facilitates the mastering of English grammar and vocabulary. Instruction is guided by the National Standards for Foreign Language Learning.

411 LATIN I HONORS - (COLLEGE PREP LEVEL HONORS)

This course introduces the students to the Latin language and its influence on other languages, especially English. During the course the student masters pronunciation of Latin, a basic Latin vocabulary, essential syntactical forms and techniques in translating, and English derivatives. The course is supplemented with various cultural topics as a means of awakening interest in Latin and as a demonstration of its value in various fields.

414 FRENCH I HONORS – (COLLEGE PREP LEVEL HONORS)

415 SPANISH I HONORS – (COLLEGE PREP LEVEL HONORS)

These courses offer the beginning student practice in basic oral expression, listening comprehension, elementary reading and writing, and an introduction to the cultures of the target language. Students practice new language skills by means of guided writing activities, readings, conversational drills, and audio and SmartBoard activities. Students are encouraged to interact in the target language in pairs and in group settings. A thematic approach to vocabulary and grammar enables students to relate what they are learning in the language to their own experiences.

421 LATIN II HONORS - (COLLEGE PREP LEVEL HONORS)

This course continues to develop students' mastery of Latin vocabulary and English derivatives. It introduces more complex Latin syntactical forms, thus enabling the student to translate more challenging selections. Individual projects will be assigned as a means of enhancing the students' awareness of the influence of the Latin language and the Roman culture in various fields.

424 FRENCH II HONORS - (COLLEGE PREP LEVEL HONORS)**425 SPANISH II - (COLLEGE PREP LEVEL 1)****426 SPANISH II HONORS - (COLLEGE PREP LEVEL HONORS)**

The second level courses build and expand the students' ability to understand, speak, read and write in the target language. A communicative approach integrates written and spoken discourse in the class. There is a greater emphasis on interdisciplinary aspects of culture such as holidays, customs and traditions, geography, important figures, and the arts. Honors level students are challenged by supplementary readings and more advanced interdisciplinary projects.

431 LATIN III HONORS

This course offers students the opportunity to understand and enjoy a more advanced study of Latin. There is a review of grammatical structures, Latin vocabulary building and continued word study involving derivatives. Students translate selections in Latin which include complex syntactical usage. The cultural component of the course focuses on first century Rome and covers religion, military structure, building projects, and the introduction of Christianity into Roman society.

Department approval is required.

436 FRENCH III HONORS - (COLLEGE PREP LEVEL HONORS)**435 SPANISH III - (COLLEGE PREP LEVEL 1)****456 SPANISH III HONORS - (COLLEGE PREP LEVEL HONORS)**

Third year language students increase their communicative proficiency and further their appreciation for the target culture. Students are encouraged to be more independent in written and oral expression as demonstrated by more sophisticated projects, and SmartBoard and Power Point presentations. This level is highly recommended for all college bound students. Honors level students are challenged by research projects and more in-depth analysis and interpretation of articles, journals etc. in the target language.

Department approval is required.

461 LATIN IV HONORS

This course presents students with an opportunity to read a variety of Roman works including poems of Catullus and Ovid; Virgil's epic *Aeneid*; epigrams by Martial; and Pliny's first-hand account of the eruption of Mt. Vesuvius. English translations of the Latin authors are used to enhance students' understanding of the role of the translator in preserving the ancient writings. In addition, there is continued grammar review and vocabulary building. Culturally, students focus on the lives and times of Roman authors, government under the emperors, Roman marriage customs and Roman law courts. A study of Greek and Roman mythology is integrated into the course.

Department approval is required.

464 FRENCH IV HONORS**465 SPANISH IV HONORS**

The application of grammatical concepts in natural, authentic tasks builds on the linguistic strengths of students and helps reinforce and consolidate previously learned material. As in prior courses, class / pair / group activities encourage speaking, reading, viewing, writing, and listening. Students are strongly encouraged to speak French or Spanish as often as possible. Recommended for all college bound students.

Department approval is required.

410 LATIN V HONORS

This course provides students with the opportunity to read in a more in-depth manner the Roman authors introduced in Latin IV. Catullus, Horace, Ovid, and Virgil are the featured writers. Grammar review continues as does vocabulary building. Included in this course is the study of the historical background of Virgil's *Aeneid*, Greek and Roman mythology as presented in the various works, and how the political climate in Rome influenced these authors.

Department approval required.

474 FRENCH V HONORS**473 SPANISH V HONORS**

This course reinforces acquired skills by using the target language exclusively. All students are expected to function at an appropriate level of fluency. Project-based learning offers wider parameters for assessing student performance.

Department approval required.

471 ADVANCED PLACEMENT LATIN - (COLLEGE PREP ADVANCED PLACEMENT)

In this course, students work on literal translations of the required selections of the *Aeneid*, as outlined in the AP Program developed by the Educational Testing Service. Working with the *Aeneid*, students analyze and critically interpret the required lines, scan the dactylic hexameter verses, and identify figures of speech. The mythological and historical references encountered in the *Aeneid* will be discussed and analyzed. In addition, students will compare Vergilian grammar to prose. Students prepare for the AP exam using a variety of materials and, whenever possible, practice taking Latin AP tests.

Department approval is required.

All students who select the AP course are required to take the AP exam. The AP syllabus has been approved by the AP Collegeboard.

446 ADVANCED PLACEMENT FRENCH**475 ADVANCED PLACEMENT SPANISH**

AP students are expected to use the target language exclusively. Projects and composition work reflect a more advanced level of student preparation. This course follows the program of studies for AP levels as required by the Educational Testing Service. Students are expected to take the CollegeBoard Advanced Placement exam in French or Spanish Language.

Department approval is required.

Campus-Wide WiFi



BUSINESS / TECHNOLOGY

Matignon High School offers courses in computers so that students will be able to use computers and appropriate technological methods to acquire, organize, and communicate information and to solve problems appropriately and ethically. Students are required to sign an "Ethical Use of technology" contract each year.

641 ACCOUNTING I - (COLLEGE PREP LEVEL 1)

This full year senior/junior elective course provides instruction in the application of accounting theory and examines the meaning, purpose, and structure of basic accounting and the accounting equation. It also provides an opportunity to develop communicative and analytical abilities and to gain an understanding of the nature of accounting. The full cycle is taught which includes journalizing, posting, completing a worksheet with adjustments as well as writing the profit, loss and equity statements for proprietorship and corporate accounting systems. Special attention is given to understanding sections that pertain to both business and personal finance. The curriculum will include the use of computer labs as well as simulation projects utilizing both manual and electronic resources. Accurate completion of two in-class accounting simulation projects is required. Students will use Microsoft Excel and Peachtree accounting software during the course for specific automated assignments. Supported by a computer, the Smart Board combined with an overhead projector will allow for interactive hands-on, minds-on technology to support the students as they demonstrate what they know in multiple ways. Retrieving key information from previous classes and printing information from the Smart Board to distribute to students during the class will enhance the lessons, increase interaction, and encourage involvement in the subject area.

653 ADVANCED COMPUTERS APPLICATIONS - (COLLEGE PREP LEVEL 1) • SEMESTER COURSE

"Technology is a soaring exercise of the human imagination" (Daniel Bell). This senior/junior course is designed to provide students with a comprehensive, hands-on and engaging experience using the modules and functions of Microsoft Office: (1) Database design and managements (2) Web Page development and (3) Desktop publishing. An advanced document production simulation will provide the opportunity to go beyond the basics, as students will be encouraged to use their imaginations and creativity in problem solving and decision making. Students will be expected to produce an electronic portfolio that provides support for understanding of the material in the syllabus. Students should have a basic knowledge of the following applications prior to beginning this course: Microsoft Windows, Microsoft Word, Microsoft Excel, Microsoft PowerPoint and Microsoft Outlook.



FINE ARTS

The creative process is a significant enriching and fulfilling part of life and is important in the general education of all students. Accordingly, the art department provides a dimension to the curriculum that helps students develop their innate creative skills by encouraging them to visually express their feelings and perceptions of the world around them. This is done in an environment that advocates observation, inquiry, thought, sharing, imagination and support for one another. Encouraging the development of the student's own creative skills and respect for the work of others will lead to a greater appreciation of the arts for a lifetime.

722 INTRODUCTORY ART • REQUIRED SEMESTER COURSE

This course is required of sophomores. The aim of Introductory Art is to develop drawing & painting skills as well as to teach students the language of visual arts. We will discuss the elements of art: line, color, shape, form, space and texture. Accompanying art projects will be done in the areas of drawing, painting, and design and will reflect the information discussed in class.

730 INTERMEDIATE ART • ELECTIVE SEMESTER COURSE

The Intermediate Art class will give the student the opportunity to further develop those skills acquired in the Introductory Art class. Emphasis will be placed on both the refinement of drawing techniques involving the principles of perspective, spatial relationships & design, and more advanced painting techniques. Three dimensional design and printmaking techniques will also be explored.

753 GRAPHIC DESIGN • ELECTIVE SEMESTER COURSE

This course will explore the world of graphic design through projects done by hand and on the computer. The basic elements and principles of design will be stressed in all work and the concepts of typography, layout and composition will be addressed. Students will learn traditional and contemporary letter forms through the use of traditional lettering instruments and various computer fonts. Creative problem solving skills will be used to develop graphic design products for a fictional client. Students are required to have a flash drive and the use of a camera, digital or film, to provide original photos for projects.

600 MUSIC APPRECIATION • ELECTIVE SEMESTER COURSE

Music appreciation is a semester-long elective intended to provide students basic instruction in Musical History, Theory, and Appreciation. Coursework will include a macro-level examination of the development of Classical Music from the 16th -19th century, the evolution of Jazz from the late 19th century to the BeBop Era of the 1950s, and the rise of the Rock and Roll era and the entrenching of music as a form of social commentary. Students will receive instruction in basic musical theory as well as develop listening and appreciation skills that allow them to identify examples of, and practically apply, their theoretical knowledge.



PHYSICAL EDUCATION / HEALTH

There is a clothing requirement: a Matignon physical education uniform is required for all classes in the gym.

831 PHYSICAL EDUCATION / HEALTH

• FRESHMAN REQUIRED COURSE

The Physical Education program at Matignon provides a variety of activities including team sports, individual Sports, fitness exploration, recreational activities, and dance. Each of these activities provides the student with the opportunity to develop strength, coordination, balance, coordination, and a positive self-image. Participation and effort are the bases for grading. Classes meet every day for one semester.

The Health course at Matignon provides students with another view on how to care for themselves. This course helps to reinforce and broaden the student's view of physical education. Students will meet in a classroom setting to examine several areas of Health education. Students will be required to take notes and demonstrate their understanding of the topics in papers, projects, and quizzes. Health topics covered include personal hygiene, nutrition, substance abuse, peer pressure and awareness, wellness, and CPR. Classes meet every day for one quarter. REQUIRED OF ALL FRESHMEN.

842 PHYSICAL EDUCATION • SENIOR ELECTIVE

003 SENIOR INTERNSHIP

An elective will be offered for a limited number of seniors who have a minimum of a 3.5 grade point average, and who are involved in at least one extra curricular activity. This elective will be an ungraded student internship which will provide students with an opportunity to assist administration or staff in a variety of experiences. A student must be interviewed for the internship by the supervising staff person. The principal or designee will have final approval for all internships.

Students may seek an internship in one of the following areas:

- Headmasters Office
- Main Office
- Guidance Office
- Office of Assistant Principal
- Office of Alumni & Development
- Office of Admissions

RECENT COLLEGE ACCEPTANCES

- Assumption College
- Bentley College
- Boston University
- Catholic University of America
- College of the Holy Cross
- Connecticut College
- Curry College
- Emmanuel College
- Fordham University
- Framingham State College
- Franklin Pierce University
- Georgetown University
- Harvard University
- Howard University
- Iona College
- LeMoyne College
- Lesley University
- Manhattan College
- Massachusetts Maritime Academy
- McGill University
- Merrimack College
- Nichols College
- Northeastern University
- Pennsylvania State College
- Providence College
- Regis College
- Rivier College
- Salem State College
- Salve Regina University
- St. Anselm College
- St. John College
- St. Joseph College
- Stonehill College
- Suffolk University
- Syracuse University
- Tufts University
- UMass Amherst
- UMass Boston
- UMass Lowell
- University of Connecticut
- University of Hartford
- University of New Hampshire
- University of New Mexico
- University of Vermont
- Ursinus College
- Virginia Military Institute
- Wentworth College
- Wheelock College
- WPI



MATIGNON HIGH SCHOOL

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