

MOUNT SAINT CHARLES ACADEMY

COURSE SELECTION BOOKLET

2010-2011

Mount Saint Charles Academy is a college-preparatory school. The course of studies is designed to offer the students a solid readiness for college level work.

Students are encouraged to discuss programs and plans for the future with parents, teachers, teacher-counselors, and a guidance counselor. Above all, each student is urged to work to the best of his or her ability and to use all of his or her talents. The entire faculty is ready to assist in the development of each student's full potential for college readiness.

The following high school credits are required for entry into colleges and, consequently, for a diploma from Mount Saint Charles Academy:

| Subject | Required | Preferred |
|--------------------|---------------------------------|-----------|
| Religion | 4 | |
| English | 4 | |
| Math | 3 (in HS)* | 4-5 |
| Science | 3 | 4 |
| Social Studies | 3.5 | |
| Foreign Language | 2 | 3 |
| Fine Arts | 1/2 | |
| Computer Literacy | 1/2 or passing proficiency test | |
| Physical Education | 1 (1/4 credit per year) | |

Electives must raise the total to a minimum of 22 credits.

*Students must be enrolled in a math or math-related science during their senior year.

Honors Programs are advanced and intense courses for selected students in the lab sciences (Biology, Chemistry, Physics), Algebra I, Geometry, Algebra II, Pre-Calculus, Calculus, French (levels I-IV), Spanish (levels I-IV), English (grades 7-10), Geography, World History, U.S. History I, and Band.

Advanced Placement Programs are selected programs in English (grades 11 & 12), Biology, U.S. History, European History, Government & Politics, Psychology, Environmental Science, Calculus AB, Chemistry, French, Spanish, and Music Theory that follow the criteria set forth by the College Entrance Examination Board and are geared toward the CEEB's May exams for advanced college placement.

Course Offerings: All courses require a sufficient number of enrollees in order to run. Electives without sufficient numbers may be cancelled due to lack of interest. Students should indicate a second choice elective on the course selection sheet. Also, students are reminded that the school's schedule is built on the original course requests made by students in the spring; course changes at later dates are not always possible.

Course Load: Each student is required to carry six subjects each semester plus physical education. Additional courses may be taken if available and if the student can handle the additional course work. Honors and advanced placement courses at the junior and senior level are strenuous and require a greater amount of work and commitment. Juniors and seniors should be realistic in their choices of honors and advanced placement courses both in content and number.

Foreign Language Requirements: The foreign language requirement at MSC is fulfilled by earning two full credits in ONE modern foreign language during the high school period. Students who enroll in a first level language class during grade 8 must then take the second and third level classes during high school to fulfill the requirement.

Physical Education: All students are required by Rhode Island law to participate in a physical education program at school. MSC requires that each student earn 1/4 credit per year in physical education. All students must participate and successfully complete the physical education program unless a valid excuse from a physician is filed in writing with the Director of Guidance and the school nurse each year.

Religious Studies: As a private, Catholic, junior-senior high school, Mount Saint Charles Academy believes that religion is a serious and important element in anyone's educational experience. Consequently, each year, all students are enrolled in a program of religious studies and must successfully complete that program.

Electives and College Admissions Requirements: Students aware of particular interests and reasonably certain of the type of program to be pursued in college should make wise use of electives while at MSC. The most selective colleges require students to enroll in the most demanding classes offered by that high school. The Guidance Center has information on college entrance requirements in catalogs and through computer programs and students are urged to make use of the Guidance Center facilities and personnel while making such decisions.

Summer Reading is an integral part of the Mount Saint Charles curriculum and is required of students at each grade level. Specific requirement for each grade level are distributed to students in late spring for the following year. Honors and advanced placement courses may require summer reading above and beyond the requirements of the regular course load.

Program Outline - Grade 7

| Course Number | |
|---------------|------------------------------------|
| Religion 7 | 107 |
| English 7* | 207 Odyssey 7 by invitation |
| Math 7* | 307 Pre-Alg 7 Honors by invitation |
| Science | 407 |
| Geography* | 807 Odyssey 7 by invitation |
| PE/Health | 540 |
| Elective* | |

Program Outline - Grade 8

| Course Number | |
|--|--|
| Religion 8 | 108 |
| English 8* | 208 Odyssey 8 by invitation |
| Pre-Algebra 8, Algebra I, Algebra I Honors | determined by Math dept/placement test |
| Science | 408 |
| World History* | 808 Odyssey 8 by invitation |
| PE/Health | 541 |
| Elective* | |

*Indicates that an honors course or a choice is available.

Junior High Electives

Junior high students have an elective period that can be fulfilled by choosing ONE full-year elective or TWO half-year electives.

Full Year Courses: Choose 1

| | |
|---------------------------|-----|
| Basic Art Concepts | 630 |
| Jr. Band Woodwinds | 672 |
| Jr. Band Brass/Percussion | 671 |
| Intro to French & Spanish | 920 |
| French I Honors (gr 8) | 961 |
| Spanish I Honors (gr 8) | 966 |
| Dance | 609 |
| Chorus | 603 |

Half-Year Courses: Choose 2

| | |
|----------------------|-----|
| Desktop Publishing | 716 |
| Civics | 814 |
| Art Around the World | 614 |
| Bonechiller | 213 |

Optional Courses: In addition to the courses listed above, junior high students have the opportunity to enroll in courses that meet half-time for the entire year. These courses are graded pass/fail. Students who will be enrolled in the reading program or who may need an extensive amount of peer tutoring will not be able to enroll in these courses.

| | | | |
|-------------|-----|-------------|-----|
| Drama | 601 | Chorus | 604 |
| Dance | 606 | JH Yearbook | 205 |
| Mixed Media | 605 | | |

Program Outline - Grade 9

| | Course Number |
|------------------------------------|--------------------|
| Religion 9 | 131 |
| English 9* | 231 |
| Geometry (332) or Algebra I (331)* | |
| Biology* | 431 |
| Non-Western History* | 819 (one-semester) |
| Language I* | |
| PE/Health | 542 |
| Elective* | |

*indicates an honors course or choice is available

English 9 may be replaced by English 9 Honors with departmental approval, course number 241.

Students who took Algebra I in grade 8 will enroll in Geometry, course 332, or Geometry Honors, course 362.

Biology may be replaced by Biology Honors with departmental approval, course number 432.

Non-Western History may be replaced by Non-Western History Honors with departmental approval, course 858

Foreign Language

| | | | |
|------------------|-----|-------------------|-----|
| French I | 931 | Spanish I | 936 |
| French I Honors | 961 | Spanish I Honors | 966 |
| French II | 932 | Spanish II | 937 |
| French II Honors | 962 | Spanish II Honors | 967 |

Electives

Full-year electives - choose 1

| | |
|----------------|-----|
| Art One | 631 |
| Senior Band | 680 |
| Chorus | 690 |
| Advanced Dance | 653 |

Half-year electives - choose 1 or 2 -- choosing two will result in no unstructured period for one semester.

| | |
|------------------------|-----|
| Foundations in Drawing | 615 |
| 3-D Design | 616 |
| Creative Mind | 617 |
| Desktop Publishing | 716 |
| Multimedia | 717 |
| Web Design | 718 |
| Jazz Dance | 651 |
| Lyrical Dance | 652 |
| Drama | 613 |

Program Outline - Grade 10

| | Course Number |
|-------------------------------------|---------------|
| Religion 10 | 132 |
| English 10* | 232 |
| Algebra II (333) or Geometry (332)* | |
| Environmental Science* | 409 |
| U.S. History I* | 832 |
| Language II* | |
| PE/Health | 543 |

*indicates an honors course or choice is available

English 10 may be replaced by English 10 Honors with departmental approval, course number 242.

Students who took Geometry in grade 9 will enroll in Algebra II, course number 333, or Algebra II Honors, course number 363.

Environmental Science may be replaced by Chemistry I Honors with departmental approval, course number 434.

U.S. History I may be replaced by U.S. History I Honors with departmental approval, course number 842.

Foreign Language

| | |
|--------------------|-----|
| French II | 932 |
| Spanish II | 937 |
| French II Honors | 962 |
| Spanish II Honors | 967 |
| French III | 933 |
| Spanish III | 938 |
| French III Honors | 963 |
| Spanish III Honors | 968 |

Fine Arts

Students may choose a fine arts elective as an eighth course.

| | |
|------------------------|---------------------------|
| Senior Band | 680 |
| Chorus | 690 |
| Art One | 631 |
| Art Two | 632 |
| Foundations in Drawing | 615 (one-semester course) |
| 3-D Design | 616 (one-semester course) |
| Creative Mind | 617 (one-semester course) |
| Drama | 613 (one-semester course) |
| Drama II | 619 (one-semester course) |
| Publishing/Page Design | 236 |
| Jazz Dance | 651 (one-semester course) |
| Lyrical Dance | 652 (one-semester course) |
| Advanced Dance | 653 |

Computer Science

Students may choose a computer class as an 8th course

| | |
|--------------------|---------------------------|
| Desktop Publishing | 716 (one-semester course) |
| Multimedia | 717 (one-semester course) |
| Web Design | 718 (one-semester course) |
| Multimedia II | 719 (one-semester course) |

Program Outline - Grades 11 & 12

Honors and advanced placement courses at the junior and senior level are strenuous and require a greater amount of work and commitment. Juniors and seniors should be realistic in their choices of honors and AP courses both in content and number.

| Grade 11 | Course Number |
|--|---------------|
| Religion 11* | 133 |
| English 11* | 233 |
| Algebra II (333) or Algebra III (345) or Pre-Calculus (334)* | |
| U.S. History II* | 834 |
| Phys Ed | 544 |
| Electives* | |

| Grade 12 | Course Number |
|----------------------------------|---------------|
| Religion 12* | 134 |
| English 12* | 234 |
| Math - see choices listed below* | |
| Modern European Hist* | 833 |
| Phys Ed | 545 |
| Electives* | |

*indicates an honors course or choice is available

Religion, with departmental approval

| | |
|-------------------------|-----|
| Junior Christian Action | 135 |
| Senior Christian Action | 136 |
| Studies in Liturgy (11) | 137 |

English, with departmental approval

| | |
|-----------------|-----|
| A.P. English 11 | 245 |
| A.P. English 12 | 244 |

Mathematics

| | |
|---------------------|-----|
| Algebra II | 333 |
| Algebra III | 345 |
| Pre-Calculus | 334 |
| Pre-Calculus Honors | 364 |
| A.P. Calculus | 336 |
| Calculus | 337 |
| Calculus Honors | 339 |
| Accounting | 340 |

One semester math courses: must take 2

| | |
|---------------|---------------------------|
| Trigonometry | 346 (one-semester course) |
| Statistics | 347 (one-semester course) |
| Discrete Math | 348 (one-semester course) |

Computer Science

| | |
|-----------------------|---------------------------|
| Computer Applications | 723 (one-semester course) |
| Desktop Publishing | 716 (one-semester course) |
| Multimedia | 717 (one-semester course) |
| Multimedia II | 719 (one-semester course) |
| Web Design | 718 (one-semester course) |

Science, honors and AP courses require dept. approval

| | |
|--------------------------|---------------------------|
| Chemistry | 433 |
| A.P. Chemistry | 445 |
| Physics | 438 |
| Physics Honors | 439 |
| Physics II Honors | 443 |
| A.P. Biology | 436 |
| Anatomy & Physiology | 441 |
| A.P. Environmental Sci | 440 |
| Blackstone River Project | 442 |
| Forensics | 446 (one-semester course) |
| Meteorology/Geology | 447 (one-semester course) |

Fine Arts

| | |
|------------------------|---------------------------|
| Art One | 631 |
| Art Two | 632 |
| Art Three | 636 |
| Art Four | 638 |
| Honors Portfolio Prep | 639 |
| Architecture I | 634 |
| Architecture II | 635 |
| Foundations in Drawing | 615 (one-semester course) |
| 3-D Design | 616 (one-semester course) |
| Creative Mind | 617 (one-semester course) |
| Graphic Design I | 627 (one-semester course) |
| Graphic Design II | 628 (one-semester course) |
| Senior Band | 680 |
| A.P. Music Theory | 686 |
| Chorus | 690 |
| Jazz Dance | 651 (one-semester course) |
| Lyrical Dance | 652 (one-semester course) |
| Advanced Dance | 653 |
| Drama | 613 (one-semester course) |
| Drama II | 619 (one-semester course) |

Social Studies (AP courses require departmental approval)

| | |
|----------------------------|--------------------------------|
| A.P. United States History | 836 (replaces US Hist II -834) |
| A.P. European History | 843 (replaces Modern Euro-833) |
| A.P. Gov't & Politics | 839 |
| A.P. Psychology | 838 |
| Psychology | 837 |
| International Relations | 810 (one-semester course) |
| American Issues | 820 (one-semester course) |
| Economics | 819 (one-semester course) |

English Electives (neither replace required course)

| | |
|-----------------------|---------------------------|
| Publishing & Design | 236 |
| Intro to Film as Text | 246 (one-semester course) |

Foreign Language

| | | | |
|-----------------|-----|------------------|-----|
| French III | 933 | Spanish III | 938 |
| French III Hnrs | 963 | Spanish III Hnrs | 968 |
| French IV Hnrs | 944 | Spanish IV | 939 |
| French V Hnrs | 945 | Spanish IVH | 949 |
| | | AP Spanish | 979 |

Religious Studies



107 Religion 7 - This course explores important moments in the life of Christ and the role of Gospel values in the lives of young people. Emphasis is placed on knowledge of the Gospels and critical life skills for being Christ to others.

108 Religion 8 - This course focuses on what it means to be Church, with emphasis on relationships with family and friends, morality and virtue, the sacraments, and the saints as models of Christian life.

131 Religion 9 - Hebrew Scriptures / Church History - In the first semester, students explore the experience of God's people, Israel, as found in the Old Testament. Important people and themes of the Hebrew Bible are introduced. The second semester examines the Church's history from the earliest disciples of Christ up to the present time.

132 Religion 10 - Sacraments and Christian Morality - The first semester focuses on the human need to experience relationships with God through people, symbol and ritual, and explores the seven sacraments of the Catholic faith. During the second semester, students consider moral decision-making, conscience, character, and virtue.

133 Religion 11 - Christology and World Religions - In the first semester, students study the life, death, resurrection and mission of Jesus Christ as presented in the Gospels and examined in the teachings of the Church. In the second semester, students explore the origins and dimensions of religion, as well as studying several of the major faith traditions of the world, especially in comparison and contrast to Catholic Christianity.

134 Religion 12 - Christian Commitment and Social Justice - In the first semester, students explore the dynamics of interpersonal and social relationships in the context of Christian and Church teachings, especially in terms of making relational, vocational, and faith commitments. In the second semester, students study relationship on a more advanced level, focusing on the meaning of justice, delving into issues of social justice, and learning about the Church's understanding and response to those issues through its history, principles and teachings.

137 Studies in Liturgy - This course will incorporate a study of the structure, history, symbols and rituals of the Mass. Students will also consider the life and mission of Jesus of Nazareth as presented in the Gospels. There will be opportunities to use various media of performing arts as a way of expressing worship. To enhance the liturgical celebrations of the school community, students will be encouraged to use music, dance, and drama. Enrollment limited to juniors. A one-day retreat is required. Pre-requisites: recommendation of 10th grade teacher and departmental approval.

135 Junior Christian Action - In this course, students consider the life and mission of Jesus of Nazareth as presented in the Gospels and the teaching of the Church. Throughout the year, students will also focus on service and spirituality. Students will explore their relationship to God in prayer as they develop relationships in ministry to the elderly, to young children, and to those who are mentally and/or physically challenged. Criteria for enrollment consists of a completed application and an evaluation by the religion department. The Christian Action class can only be taken once, either as a junior or as a senior. All students interested in participating in the Christian Action class as a junior must have an application on file by the due date during their sophomore year.

136 Senior Christian Action Program: Students focus on the meaning of "justice," delve into issues of social justice, and learn about the Church's understanding and response to those issues through its history, principles and teachings. Concurrently, students participate in community service to the poor, disabled, elderly and children and relate their experiences to relevant issues of social justice. As they explore the causes and effects of these issues on society and individual lives, they learn to respond in moral and meaningful ways. Criteria for application and selection for this course is set by the Religion Department; application is made at the end of the sophomore or junior year for Senior CAP (one year only). Students are selected for this course by the Religion Department through the application process.

English



Students at every level will follow the *Collins Writing Program*, which uses Focus Correction Areas to reinforce predetermined grade level skills across the curriculum.

207 English 7 - focuses on basic grammar skills as applied to the writing of various sentence and paragraph forms. Vocabulary development stresses spelling and word attack skills. The elements of literature will be introduced and analyzed in selected short stories, novels, and plays to provide a deeper understanding of character, plot, theme, and irony.

202 Odyssey - English Honors 7 - This is an honors program for selected students; an interdisciplinary course that encompasses both English and Geography. Common themes are explored and interdisciplinary projects assigned. A more advanced level of vocabulary and grammar skills will be stressed. Critical thinking and problem solving skills are emphasized and developed through projects and group work. Enrollment is by invitation only and is based on entrance exam results, a qualifying test, and teacher recommendations.

208 English 8 - The literature section involves a close study of literary styles and terms with a concentration on the short story, the novel and poetry. Grammar and usage, as well as a systematic study of vocabulary, are requirements. Writing projects focus on paragraph skills.

201 Odyssey - English Honors 8 - This is an honors program for selected students; an interdisciplinary course that encompasses both the English & World History curricula. Critical thinking and problem solving skills are emphasized and developed through projects and group work. Students are exposed to an in-depth analysis of literature through short stories, poetry, drama, and novels, and they are introduced to analytical and comparative essay writing. Vocabulary and grammar development are also stressed. Pre-requisites: all honors/AP classes have grade requirements and need department approval.

231 English 9 - four aspects of English (composition, literature, vocabulary, and grammar) are studied. Composition assignments are extensions of literature readings. Grammar is studied systematically and applied to writing exercises. Literature focuses on poetry, short story, the novel, and drama.

241 English 9 Honors - introduces students to an in-depth analysis of literary elements and devices in selected short stories, novels, poems, and plays. Frequent expository and analytical essays are assigned for assessment and publication, as well as creative writing in the form of short stories, plays, and poetry. Vocabulary lists and skills will be derived from literature, and grade level grammar concepts will be reviewed. Pre-requisites: all honors/AP classes have grade requirements and need department approval.

232 English 10 - American Literature - This course consists of a survey of the novels, short stories, poems and other forms of American literature ranging from colonial times to the early twentieth century. It includes a study of grammatical and vocabulary skills and their application, especially in literary essays.

242 English 10 Honors - American Literature - This survey course will present a chronological development of American literature as well as the social and political forces that influenced major writers. It will also include a review of grammar skills and extensive vocabulary development. Writing will be emphasized. Pre-requisites: all honors/AP classes have grade requirements and need department approval.

233 English 11 - British Literature - Students will explore the development of the British literature by reading works of selected authors. They will study these works in the light of form, content, and style. Vocabulary development and basic usage will continue to be emphasized, and the core principles of rhetoric will be treated. There will also be a controlled research paper required.

245 AP English 11 - AP Language and Composition - AP Language and Composition focuses on non-fiction reading to teach rhetorical and linguistic strategies that writers, including British writers, use in non-literary as well as literary formats. This course will involve various modes of formal writing - persuasive essays, narratives, editorials, speeches, the research paper - as well as personal informal writing, such as college application essays and dialectic journals. Students will do timed essays using SAT and AP English writing prompts, including the new AP "synthesis essay." Pre-requisites: all honors/AP classes have grade requirements and need department approval.

234 English 12 - World Literature - This course will address classic pieces from around the globe. By studying a variety of short stories, novels, poems, plays, and essays, students will attain a broader understanding of the historical development of literature and literary forms and the significance of their cultural context. Central to this course will be a critical analysis of themes. In addition, there will be a review of advanced composition and writing skills and a continuation of vocabulary development.

244 AP English 12 - AP Language & Literature - This course is designed to prepare students to take the Advanced Placement Language and Literature examination. It offers contemporary approaches to literature as an art form and as an expression of diverse voices. The second semester will focus on drama. This course will include writings by women, minority, and non-western authors. Students will be expected to write frequent, short analytical papers on assigned readings that will be selected from various genres. Pre-requisites: all honors/AP classes have grade requirements and need department approval.

English electives (taken as additional English courses, not in place of the required English courses):

Junior High School:

213 Bonechiller - This course will introduce students to three kinds of suspense fiction - mystery, horror, and crime. We will examine several elements of this genre, including an overview of the history of suspense fiction in stories and movies, an examination of techniques and central themes of suspense fiction, and a sampling of the most important mystery writers (Doyle and Christie), movie makers (Hitchcock) and television series (The Twilight Zone and The X-Files). Students will also be encouraged to produce their own works of suspense fiction. The class will collaborate in writing and performing a murder mystery.

Junior High Optional Elective - meets half-time; must be taken as an 8th course.

205 Junior High Yearbook - This course allows 7th and 8th graders to become part of the Excelsior Yearbook staff. As "Junior High Staffers," you will learn how to design pages on the computer using print and digital photos. Students will complete the pages in the yearbook that are associated with Junior High activities and academics. Some of these pages include new student orientation, dances, trips, band, drama, clubs, communion breakfasts, convocation, honor society, Day in the Spirit, and class portrait pages. In addition, students will learn about ethical guidelines, theme development, and participate in fundraising and book distribution.

High School:

236 Publishing and Page Design - teaches the basics of layout design, copy editing, and other aspects of producing a publication. Students will be responsible for producing the school yearbook, *Excelsior*, which may require work past the end of the normal school year. This course does not fulfill the English requirement, but does fulfill the Fine Arts requirement. Open to students in grades 10, 11, 12.

246 Introduction to Film as Text - In this course we will watch, discuss, and write about movies. Given that film is an art form, not simply a form of entertainment, the objective of this course is to approach film as one would an artistic or literary text. We will seek to identify and analyze those elements through which artists create meaning -- plot, theme, characters, et al, paying particular attention to the various methods of filmic narration, the function of *mis en scene*, styles of acting, and movies as a product of historical and cultural time periods. Assignments consist of one-page responses, a group analysis, and a movie review of a film viewed out of class. Signature of department chair required.



Mathematics

* Three math credits awarded in the high school (grades 9-12) are required for graduation; seniors must be enrolled in either a math or a math related science (Chemistry, A.P. Chemistry, Physics, Physics Honors, Physics II Honors).

307 Math 7 - This course is designed to strengthen the arithmetic and problem solving skills presented in elementary school and to begin the transition to algebra and geometry.

301 Pre-Algebra 7 Honors - This course introduces the student to the concepts of variables and symbolic manipulation. Students will learn problem solving techniques and use algebraic representation to solve real-world based applications. The honors section is by invitation only.

308 Pre-Algebra 8 - This course introduces the student to concepts of variables and symbolic manipulation. Students will learn problem solving techniques and use algebraic representation to solve real-world based applications.

331 Algebra I / 361 Algebra I Honors - The course provides a study of the basic structure of the real number system. It focuses on techniques for simplifying algebraic expressions and solving equations and inequalities. The development of problem solving skills is an integral part of the course. Precision of language and notation is also emphasized.

332 Geometry / 362 Geometry Honors - This course provides a study of geometric relationships to enhance the study of logical reasoning as it applies to mathematics and other disciplines.

333 Algebra II / 363 Algebra II Honors - This course will extend the study of the real number system introduced in Algebra I. It will include a thorough investigation of all operations with irrational numbers. Techniques for simplifying rational expressions, the study of functions, solutions to linear systems of equations and quadratic equations and inequalities in one variable as well as an introduction of the complex number system will be covered. The continual development of problem solving skills and graphing calculator usage skills are an integral part of the course.

345 Algebra III - This course is an extension of Algebra II, exploring topics such as trigonometry, sequences, series and probability, analytical geometry, systems of equations, and matrices and determinants.

334 Pre-Calculus / 364 Pre-Calculus Honors - This course is designed for students who intend to do further work in mathematics, science, engineering or business. Topics include the complex and real number systems, algebraic and non-algebraic functions, logarithms, and trigonometry. TI-83 and TI-84 family of graphic calculators will be used throughout the course.

337 Calculus - This course is designed for students who intend to do further work in mathematics, science, or engineering. Topics include logarithms, analytical geometry, arithmetic and geometric sequences, techniques and applications of differentiation and integration. Graphic calculators will be used throughout the course. Pre-requisite: a minimum grade of C+ in Pre-Calculus is required.

339 Calculus Honors - This course is intended for students who wish to remain in an honors level math course but do not wish to take the Advanced Placement exam. Topics covered include limits, differentiation, integration, and their applications. Other topics involving trigonometry and transcendental functions will also be explored.

336 A.P. Calculus - This course is designed to prepare students for the Advanced Placement Calculus AB Exam. Topics covered include limits, differentiation, integration, and their applications. Other topics involving trigonometry and transcendental functions will also be explored. Students who take the course are strongly encouraged to take the AP Calculus exam in May.

340 Accounting - This course provides an introduction to accounting principles and concepts in relation to proprietorships, corporations, and partnerships. The course attempts to expose students to a variety of topics related to business practices including technology in the workplace and business decision making as they pertain to accounting. Open to all juniors and seniors as an elective; seniors using Accounting as the 4th year of math must have the permission of the department.

One-semester math courses: must choose 2. The two most requested courses will be offered if there is not sufficient enrollment to run all three.

346 Problem Solving & Trigonometry - In problem solving, students will develop a number of problem solving strategies, including pattern searching, systematic lists, sub problems, unit analysis, Venn diagrams, and finite differences. Trigonometry will include the solutions of triangles, identities, equations, graphs, and inverse functions. (Semester course; offered as needed.)

347 Statistics - This course introduces the student to the description, analysis, and presentation of data, and inference from data. The course requires strong mathematical skills and interest. (Semester course; offered as needed.)

348 Discrete Math - This course introduces students to topics in discrete mathematics including combinatorics, probability, matrices, recursions, linear programming, game theory, voting, encryption, and others. This course will give students a wider view of mathematics than the usual high school curriculum. (Semester course; offered as needed.)



Science

407 Science 7 - is designed to help students develop an understanding of how science relates to everyday life. Through a variety of techniques, the program seeks to develop students' critical thinking skills. A major goal of the course is to integrate other academic disciplines into the science curriculum; topics include physical, earth, and life sciences.

408 Science 8 - is an integration of physical, earth, and life sciences. The course is designed to present science in a way that relates closely to the students' everyday experiences. Problem solving techniques are emphasized regularly, and critical thinking skills and investigative approaches are developed through lab activities.

431 Biology - grade 9 - This laboratory oriented course is an introduction to the study of life. Through lecture, discussions, labs, independent and cooperative group work, students study general concepts of molecular and cellular structure, function, and division; heredity; life processes; taxonomic relationships; plant life; and human body systems. A mandatory dissection will conclude our study of biology. A three-ring binder is suggested.

432 Biology Honors - grade 9 - This laboratory oriented course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal with the rapidly changing science of biology. Through lecture, discussion, labs, independent and cooperative group work, the focus is on fundamental concepts that underlie cell biology, biochemistry, molecular biology, and human genetics. Two mandatory dissections will conclude our study of biology. This course is designed for students who are academically motivated and interested in pursuing higher level sciences. A three-ring binder is suggested. Pre-requisites: Biology honors students are required to participate in the MSC Science Fair and complete a science research paper. Students must have an 88 average in junior high science and math, as well as departmental approval.

409 Environmental Science - grade 10 - A thematic approach is used to aid students in developing an understanding of basic ecology and exploring the interaction between humankind and the environment. Through fieldwork, individual and group projects, and lab activities, students will examine factors that affect the environment, such as water and air pollution, energy sources, loss of biodiversity, waste disposal, and recycling. An emphasis will be placed on environmental literacy and decision-making.

434 Chemistry I Honors - grade 10 - An introductory course in basic chemical concepts and principles with an emphasis on mathematical relationships and laboratory skill development. This course is for the motivated student with good math skills. Students will be prepared to continue with honors and advanced placement courses upon successful completion of this course. Areas of study will include scientific measurement and calculations, atomic and molecular structure and interactions, solution chemistry, periodicity, gas laws, nuclear chemistry and organic chemistry. Pre-requisites: B or better average in 432 Biology Honors, departmental approval, and successful completion of a science fair project evidenced by a 1/4 Science Fair credit on the student's record or completion of the required components of the Science Fair process by registration time.

The following courses are open on the junior and senior levels:

433 Chemistry - A basic introductory course in the major concepts of chemistry including energy and matter, atomic theory and structure, periodicity, chemical reactions and mathematical relationships, gases, acid-base theory, nuclear and organic chemistry. Students will attempt to investigate more practical implications of chemistry.

445 Advanced Placement Chemistry - Accelerated students continue a study of chemical principles through lecture, discussion, problem solving, and experimentation. This course, together with 434 Chemistry I Honors, follows the advanced placement curriculum recommendations. Topics to be covered include quantum theory, chemical bonding and Lewis structures, molecular geometry and hybridization, intermolecular forces and phases of matter, thermochemistry and thermodynamics, solution properties, chemical kinetics, chemical equilibrium, acid-based theory, electrochemistry and organic chemistry. This course will help students prepare for the SAT Chemistry exam and the Advanced Placement Chemistry exam, which they are expected to take in the spring. Pre-requisites: a strong math background, a "B" average or better in 434 Chemistry I Honors, department approval and successful completion of a science fair project evidenced by a 1/4 Science Fair credit on the student's record or completion of the required components of the Science Fair process by registration time.

436 Advanced Placement Biology - This course presents an in-depth study of biochemistry, cellular physiology, photosynthesis, cellular respiration, genetics, botany, classification, animal and plant anatomy and physiology, ecology, and evolution. Lectures, discussions, and laboratory experiences will follow the Advanced Placement curriculum recommendations. Students completing this course are expected to take the advanced placement exam in the spring. Pre-requisites: B or better average in both 432 Biology Honors and 434 Chemistry I Honors; and successful completion of a science fair project evidenced by a 1/4 Science Fair credit on the student's record or completion of the required components of the Science Fair process by registration time.

440 Advanced Placement Environmental Science - The goal of this lab-oriented course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world and to identify and analyze environmental problems, both natural and man-made. With an emphasis on sustainability, students will evaluate the relative risks associated with these problems and examine solutions for resolving and/or preventing them. Students are required to complete a year long independent project and are expected to take the AP exam in May. Pre-requisites: two years of high school science and one year of high school algebra (minimum grade of B in all three) or permission of the department chair.

441 Anatomy & Physiology - A systematic approach is used to introduce the student to the study of the structure and function of the human body. Particular attention is given to the anatomical and physiological functions of organ systems and coordination in the entire organism. Laboratory dissections in most areas of study are an integral component in this course. This course includes clinical applications and is designed to prepare the student for further in-depth study in the medical, technical, or scientific fields. Emphasis is placed on memorization and application skills and requires independent reading and research. This course is geared for the student who is academically motivated to work both independently as well as in cooperative groups. Pre-requisites: satisfactory completion of 431/432 Biology.

442 The Blackstone River Project - This integrated course weaves together many of the elements of science such as biology, chemistry, physics, and earth science as well as math, geography, language arts, and social studies. Practical application of knowledge and skills in these areas will be utilized to develop a final project as the culmination of the course. The Blackstone River will serve as the focal point of study during the year as students tie the history of the Blackstone Valley area to science as applied in class and in the field. Students will conduct chemical and biotic analyses to evaluate water quality and relate their findings to human activities, past and present. An independent research project is a requirement. The course is open to juniors and seniors; approval of the department chair is required.

438 Physics - A lecture and lab oriented course is centered around topics in measurement and mechanics. It is **required** that the student have at TI-83+ or TI-84+ graphing calculator for use in problem solving, lab experimentation, and analysis. For juniors or seniors. Pre-requisites: Because of the mathematical nature of the course, student should exhibit above average proficiency in mathematics and must have completed Algebra II/Trigonometry.

439 Physics Honors I (Mechanics) - A lecture and lab oriented course centered around topics in mechanics and fluids in greater depth than general physics and with additional emphasis on deductive reasoning and algebraic skills in problem solving. This course is designed for the superior student in the physical sciences and mathematics. It is **required** that the student have a TI-83+ or TI-84+ graphing calculator for use in problem solving, lab experimentation, and analysis. Pre-requisites: This course is open to juniors and seniors who have completed or are currently enrolled in Pre-Calculus or Pre-Calculus Honors **and** with the signatures of current science teacher and the instructor; and successful completion of a science fair project evidenced by a 1/4 Science Fair credit on the student's record or completion of the required components of the Science Fair process by registration time.

443 Physics Honors II (Beyond Mechanics) - This is a full year lecture and laboratory oriented course designed to supplement the topics in the Physics Honors I course with the same emphasis on deductive reasoning and algebraic skills in problem solving. This course is designed for the superior student in the physical sciences and mathematics, particularly the student who intends to pursue undergraduate study in engineering or the physical sciences. Additional topics include electricity and magnetism, waves, optics, thermal properties of matter, heat, nuclear physics, and modern physics. Pre-requisites: this course is open to students who have completed Physics or Physics Honors I and a pre-calculus class **and** with the permission of the instructor; and successful completion of a science fair project evidenced by a 1/4 Science Fair credit on the student's record or completion of the required components of the Science Fair process by registration time.

446 Forensics - This one semester course provides an introduction to the application of scientific methods for the examination of physical evidence in the criminal justice system. Students will be introduced to the history of forensic science and the basics of crime scene processing and evidence analysis. This course will include the biological, chemical, and physical elements relevant to the field of forensic science. Topics to be covered may include hair and fiber analysis, fingerprint and handwriting analysis, DNA analysis, and blood stain pattern analysis. Open to juniors and seniors.

447 Meteorology/Geology - This one semester course is designed to foster a basic understanding of the structure and processes of the atmosphere as well as the processes that form, shape, and sculpt the Earth's surface. Students will conduct a brief survey from the formation of rocks and minerals through the formation of continents. Geology topics may include geological time scale; plate tectonics; the effects of wind, water, and glacial ice; and global catastrophes such as earthquakes and volcanoes. Meteorology topics may include atmospheric processes that determine daily weather conditions, and severe and unusual weather phenomena. This course is open to juniors and seniors.

Physical Education



540 grade 7

541 grade 8

542 grade 9

543 grade 10

Physical Education/Health (grades 7-10) The physical education program is designed to help the student develop an understanding of the life-long value of fitness. The student will develop physical skills and acquire a knowledge of rules and terminology used in a variety of team and individual sports as well as leisure time activities. Program offerings will vary according to grade level. The Health Education segment of the program is designed to provide information that can serve as a basis for developing the knowledge and attitude necessary for leading a healthy life. Topics vary by grade level and include growth and development, disease and disorders, mental health and well-being, nutrition, community and environmental health, safety and injury prevention and care, tobacco, alcohol and drugs, character and relationship skills, family life and sexuality, and coping with death and dying.

544 grade 11

545 grade 12

Physical Education (grades 11-12) The upper grades program is designed to allow the student to develop an understanding and appreciation of the health and skill related components involved in the planning and implementation of a physical fitness program. The student will acquire, through a sequential program of activities, the ability to assess individual fitness levels; understand the relationship among physical activities, stress, and other health problems associated with inadequate fitness levels; identify sound nutritional practices related to physical fitness and wellness; understand consumer issues related to physical fitness; evaluate physical activities in terms of fitness values; design a fitness program that meets individual needs and interests; understand and apply correct principles related to exercise and training; apply and understand safety practices associated with physical fitness; and exhibit a positive attitude toward lifelong physical activity and wellness.

Fine Arts



MUSIC OFFERINGS

671 Brass/Percussion

672 Woodwinds Junior High Band - Interpretation, technical advancement on individual instrument, ensemble playing, theory and history are covered. Music studies range from the classical to contemporary and popular. The ensemble presents concerts and parades year-round. Students must sign up for the appropriate section according to the instrument played.

680 Senior High Band - Members of this ensemble must qualify on their respective instruments. Interpretation, technical advancement on individual instrument, ensemble playing, and theory are covered. Music studies range from the classical to contemporary and popular. The ensemble presents concerts and parades year-round.

Senior High Band Honors - This is an honors course open to band members who are juniors or seniors. Requirements include meeting all minimum senior band requirements in addition to private lessons, auditioning for All-State and Solo & Ensemble, performing in a recital, reviewing concerts, and tutoring younger students. Department approval required. Students sign up for 680 Senior Band; contracts for honors band completed in the fall.

685 Jazz Band - Members of this ensemble are chosen for their proficiency. Studies are devoted to popular music of American heritage ranging from early swing to the most contemporary works found in the jazz-rock idiom. This group takes part in various appearances on a year-round basis and is made up of students from grades 9-12. Department approval required. This class is taken in addition to the regular course load.

684 Bell Choir - Members of this ensemble are chosen by the Music Director. Handbell techniques, ensemble playing, and interpretation are covered. This group takes part in various appearances on a year-round basis and is made up of students from grades 9-12. This course is taken in addition to the regular course load.

686 Advanced Placement Music Theory - This course is open to juniors and seniors who are interested in a more in-depth examination of the field of music. The focus will be on the understanding of musical structure and compositional procedures. Emphasis will be given to listening skills, particularly those involving melodic perception, harmonic function, and recognition of compositional techniques. This is a structured course in preparation for the Advanced Placement exam in May. Department approval required.

604 Jr. High Chorus - Optional (half-time) elective runs full year opposite PE classes; must be taken as an 8th class

603 Jr. High Chorus - This class is offered as a full time elective. Vocal techniques, interpretation, ensemble singing, history, and theory are covered. Music studies will range from classical to contemporary and popular; ensemble presents concerts throughout the year.

690 Sr High Chorus - Vocal techniques, interpretation, ensemble singing, history and theory are covered. Music studies will range from classical to contemporary and popular; ensemble presents concerts throughout the year.

DANCE OFFERINGS

606 Jr. High Dance - Optional (half-time) elective runs full year opposite PE classes; must be taken as an 8th class

609 Jr. High Dance - Full time elective. The fundamentals of ballet, jazz, lyrical, modern dance and hip hop are explored through studio experience, written assignments, research and performance. Different techniques, styles, and vocabulary will be announced. This class will perform at various school events during the year.

651- Jazz Dance - A one-semester elective; studies the fundamentals of proper dance technique and explores Jazz dance through technique, interpretation, ensemble work and history. This group will perform at various school events.

652 Lyrical Dance - A one-semester elective; studies the fundamentals of proper dance technique and explores Lyrical dance through technique, interpretation, ensemble work, and emotional execution. This group will perform at various school events.

653 - Advanced Dance Technique and Performance - Through extensive studio experience, related readings, and historical study, this full-year course will cover advanced topics in dance including anatomy and physiology of the dancer, choreography, and dance history. Group will perform at various school events. Pre-requisites and department approval required.

DRAMA OFFERINGS

601 Jr High Drama - This course offers the student a hands-on experience in all aspects of the theater arts. The major sections of the course are acting and technical theater. Students will develop drama skills through improvisation and acting exercises. This is an optional elective that runs opposite physical education classes and must be taken as an eighth course.

613 Sr High Drama - This course offers students a hands-on experience in all aspects of theater. The major sections of the course are acting, directing/producing, and technical theater. In each of the areas, students will be exposed to visual and tactile elements (writing, designing, building), background in theater history, and careers in theater.

619 Sr High Drama II - This course will build on the knowledge and experience gained in Sr High Drama. It will include acting, directing and producing, and technical theater. In each of the areas students will be exposed to visual and tactile elements (e.g. writing, designing, building) and careers in theater. Teacher approval required.

ART OFFERINGS - projects from each Visual Arts class can be viewed on the Digital Art Portfolio link on Edline or the MSC Website.

630 Basic Art Concepts - This junior high course will explore drawing techniques through the use of design elements. Using a variety of media, students will study line, tone, texture, color, and space. This is a full-year course.

614/624 Art from Around the World - This one-semester junior high course will offer students an opportunity for a hands-on experience of art from many lands. Through a variety of art projects, students will gain an appreciation of different cultural customs and traditions.

605 Mixed Media - This introductory course will offer students an opportunity to learn the basic techniques of drawing and design. Students will work with a variety of drawing materials. No prior drawing experience is required. This is an optional elective that runs opposite physical education classes and must be taken as an eighth course.

615 Foundations in Drawing - This one semester course is intended for students who would like to learn to draw and have little or no art background. This class will introduce various drawing skills including contour, shading, and use of negative space, angles and proportions. Students will also study art appreciation and aesthetic awareness.

616 Three-Dimensional Design - This one semester course will explore the elements and principles of design. Through a series of three dimensional projects, students will explore design concepts using a variety of art materials. They will also study art appreciation and aesthetic awareness.

617 The Creative Mind - This one semester art class is designed for the non-art student. No previous art or drawing skills are necessary. This course will introduce students to visual design skills that are used in daily living. Students will have the opportunity to work with a variety of art materials and will complete lessons that are designed to enhance the creative thinking process. Students will also study art appreciation and aesthetic awareness.

631 Art One - This full year introductory art class will review the basic skills of drawing. Students will work from actual observations and will have numerous opportunities to work in a variety of media including charcoal, pastel, pen and ink, and paints. Lessons in art appreciation and art history will be presented throughout the course. This class will allow students to begin the portfolio preparation process.

632 Art Two - This full year class is designed for students who would like to further develop their observational drawing skills. Lessons in figure drawing, portraits, and composition will be presented. Students will learn to evaluate and critique their own art work and the works of others. Lessons in art appreciation and art history are part of this comprehensive program. Projects completed in this class will be appropriate for inclusion in a college portfolio.

636 Art Three - this full year course is designed for students interested in continuing their artistic development. Students will complete a variety of painting projects, advanced drawing of the figure, and numerous drawings from observation. Students will evaluate and critique their own work and the work of others. Lessons in art appreciation and art history are part of this comprehensive program. Pre-requisite: a B average in both Art I and II.

638 Art Four - This course is offered to grade twelve students who have completed Art I, II, and III and have maintained a B+ or higher. Students will continue to develop an art portfolio with lessons in drawing, painting, figure drawing, and art appreciation.

639 Honors Portfolio Preparation - This full year course is designed for students who intend to study an art field in college and need to prepare a college acceptance portfolio. Students will complete projects that fulfill portfolio requirements and will learn to prepare work for final submission. Pre-requisites: Students must have completed Art II, III, and IV, maintained a B or higher average, and have permission from the instructor.

634 Architecture I - This full year course introduces students to architectural drafting and design. Students will plan and design a single-family dwelling. Architectural terminology, abbreviations, and symbols will be introduced. Students should possess basic drawing skills and the ability to construct a 3-D model. Instructor approval required.

635 Architecture II - Students in this course will continue the development of architectural skills using Chief Architect computer software. Student will complete designs that will be submitted to "The Women in Construction" high school design competition. Instructor approval required.

627 Graphic Design I - This one semester class will introduce students to graphic design skills using the Adobe Photoshop and Adobe Illustrator computer program. Students will experience the entire design process from idea development to finished product. Students will study aesthetic awareness and the role of graphic design in everyday life.

628 Graphic Design II - This one semester course continues the development of the skills and concepts introduced in Graphic Design I. Students will complete a variety of graphic design projects.

DRAMA OFFERINGS

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Computer Science



716 Desktop Publishing - In this one-semester course, students will learn the intricacies of producing publications. There will be practice in using programs such as Microsoft Word, Excel, and PowerPoint. In this introductory class, students will be taught proper keyboarding techniques, advertising techniques, internet research, word-processing, and spreadsheet design.

717 Multimedia - In this one-semester course, students will develop presentations mixing images, videos, and sounds. Students will become proficient with Adobe Premier Elements, and various other forms of digital-video editing software. Pre-requisites: Desktop Publishing (course 716) or successful completion of a proficiency examination and approval of the instructor.

719 Multimedia II - In this one-semester course, students will improve on their abilities to develop presentations mixing images, videos, and sounds using Adobe Premier Elements, and various other forms of digital-video editing software. Pre-requisite: Multimedia I (717) and approval of the instructor.

718 Web Design - This course in web development puts an emphasis on constructing well-written, widely accessible code using the latest web standards. Students will learn how to build solid websites in XHTML, which can then be supplemented with cross-browser design in CSS and finalized with a clean-up for accessibility. Pre-requisites: Desktop Publishing (course 716) or successful completion of a proficiency examination and approval of the instructor.

723 Computer Applications - Students in this course will develop logical processes to troubleshoot computer hardware, software, and networking problems. Students will be encouraged to take the A+ Certification Exam at the completion of the course. Pre-requisite: Desktop Publishing (716), a basic understanding of Windows functions, and approval of the instructor.

History & Social Studies



807 Geography 7 - The primary emphasis of this course will be on the social, economic, and political geography of the world. Map skills will be stressed. Some consideration will be given to problems of resource depletion, pollution, and world trade.

802 Odyssey 7 - Geography Honors - This honors level course will incorporate a topical approach to the study of human geography and will concentrate on cultural features such as language, industries, cities, population growth, political disputes, and economic restructuring. Map skills and physical geography skills will also be an emphasis of the course. Critical thinking and problem solving skills will be utilized. Projects and group work will, at times, incorporate both the English and Geography components of the Odyssey 7 program. Pre-requisites: by invitation only; based on entrance exam results, qualifying test, and teacher recommendations.

808 World History 8 - This course traces the formation of political, religious, cultural and social institutions of the river valleys, Greek, Roman, and Asian civilizations that form the basis of civilization.

801 Odyssey 8 - World History Honors - This is an honors level course that will use a primary source approach to ancient civilizations and an analysis of their effect on modern society. Critical thinking and problem solving skills will be utilized. Both the history and English components of the Odyssey 8 program will concentrate on the development of advanced writing skills. Pre-requisites: a minimum of B+ in the Odyssey 7 program and recommendation of the teacher or an A- in English 7 & Geography 7, a qualifying test, and teacher recommendations.

814 Civics - This is a single semester, junior high elective. It promotes good citizenship through role-playing activities and topics include mock campaigns and elections, mock trials, mock legislature, and debates as well as hands-on activities and projects involving the topics of ethics, pluralism, citizenship and other significant issues relating to democratic forms of government.

818 Non-western History 9 - This one-semester requirement for freshmen traces the formation of political, religious, and social institutions of the non-western world (Africa, India, Middle East, and Asia).

858 Non-western History 9 Honors - This course replaces the ninth grade semester course and traces the formation of political, religious, and social institutions of the non-western world (Africa, India, Middle East, and Asia) with a heavier emphasis on supplemental and primary source material. Pre-requisite: a minimum of B+ in the Odyssey 8 program, above average writing and analytical skills and the recommendation of the current teacher or an A- in World History 8, above average writing and analytical skills, and the recommendation of the current teacher.

832 United States History I - A tenth grade requirement that discusses the political, economic, and social influences that formed American society and government from pre-colonial times through Reconstruction.

842 United States History I Honors - Replaces the tenth grade requirement and focuses on an in-depth examination of pre-colonial times through Reconstruction. An emphasis is placed on supplemental and primary source material. Paired with the A.P. U.S. History course, they become a structured preparation for the Advanced Placement exam in May of the junior year. Pre-requisites: a minimum of B+ in Non-western History 9 Honors, above average writing and analytical skills and the recommendation of the current teacher or an A- in Non-western History 9, above average writing and analytical skills, and the recommendation of the current teacher.

834 United States History II - An eleventh grade requirement; an examination of the social, economic, geographic, and political development of the United States from the end of Reconstruction through the present.

836 Advanced Placement United States History - Replaces 834 U.S. History II course; an in-depth study of the major political, social, cultural, and economic developments in the United States between 1877 and the present. The study and interpretation of primary source materials and historiography are emphasized. Paired with the U.S. History I Honors course, they become a structured preparation for the Advanced Placement exam in May. Pre-requisites: a minimum of B+ in U.S. History I Honors, above average writing and analytical skills and the recommendation of the current teacher or an A- in U.S. History I, above average writing and analytical skills, and the recommendation of the current teacher.

833 Modern European History - An examination of religious, economic, and political institutions in Europe between 1450 and 1970. A required course for seniors unless replaced by the advanced placement course.

843 Advanced Placement European History - Replaces the required course; an examination of the political, intellectual, economic, and religious development of Europe from 1450 to the present. This is a structured course in preparation for the Advanced Placement exam in May. The study and interpretation of primary source materials and historiography are emphasized. Pre-requisites: a minimum of B+ in A.P. United States History, above average writing and analytical skills and the recommendation of the current teacher or an A- in U.S. History II, above average writing and analytical skills, and the recommendation of the current teacher.

839 Advanced Placement U.S. Government & Politics - This elective is a structured course designed to prepare students to take the Advanced Placement exam in May. The course will focus on the Constitution, federalism, separation of powers, the influence of political beliefs and behaviors, political parties, interest groups, civil rights and civil liberties. This elective is open to juniors and seniors. Department approval required.

810 International Relations - This one-semester course is a survey of current political, economic, and social issues in the international arena. The course includes historical backgrounds as the framework for current situations and depends upon student input in roundtable discussions on a regular basis. This elective is open to seniors and juniors.

820 American Issues - This one-semester course is a survey of social and political issues in the United States today. Topics are presented as they appear in current news stories throughout the year. The course depends upon student input in roundtable discussions on a regular basis. Open to seniors and juniors.

819 Economics - This course is a one-semester introduction to basic economic principles and theories. Microeconomic concepts will be introduced, but the course is more heavily concentrated on macroeconomics. Topics include economic systems, supply and demand, prices, market structures, money and banking, government and the economy, monetary policy, financial markets, and fiscal policy. The course also uses the Stock Market Game as a tool to understand financial markets. Open to seniors and juniors.

837 Psychology - An introduction to the science that deals with the behavior of organisms -- human and animals. This overview will include its history, biology, research methods, learning, personality, disorders, and forms of therapy. An elective open to juniors and seniors; seniors will get priority in scheduling process if necessary. Taking this course as a junior precludes enrollment in A.P. Psychology during the senior year.

838 Advanced Placement Psychology - This course is open to seniors who are interested in a more in-depth examination of the field of psychology. Major topics include biology, research methods and development, learning, personality, disorders, and therapy. Independent reading and writing included. This course is a structured course in preparation for the Advanced Placement exam in May. Summer reading assignment required. Pre-requisite: approval of the instructor.

Foreign Language



Languages offered are Spanish and French. Students must complete at least two years of the same language during the high school years, usually grades 9 & 10. Many colleges are requiring three or more years of a language as part of their admissions criteria.

920 Introduction to French and Spanish Languages.

This is an introductory elective that introduces French during one semester and Spanish during the other semester. The course introduces the basic grammar and conversation of a first year language course through the four language skills. The student learns an appreciation for and understanding of the French or Spanish language and customs.

931 French I

936 Spanish I

Introduces the four linguistic skills -- listening, speaking, reading, and writing. This course aims at novice proficiency of all four skills characterized by the student's ability to communicate minimally with the learned material. In addition to language skills, the student will be introduced to French/Spanish culture with particular attention to the geography of France or Spain and to the francophone countries or Spanish speaking countries of the world.

961 French I Honors

966 Spanish I Honors

Continues the development of the four linguistic skills that were introduced in the junior high course. This course aims at novice proficiency of all four skills characterized by the student's ability to communicate minimally with the learned material. In addition to the language skills, students will study Francophone or Hispanic culture and customs. Pre-requisites: an "A" or better in the junior high level or successful achievement of the placement test for new MSC students and departmental approval.

932 French II

937 Spanish II

Continues the development of the four linguistic skills. This course aims at intermediate proficiency characterized by the student's ability to create with the language, to understand the spoken and written word in practical situations, and initiate, minimally sustain, and close in a simple way basic communicative tasks. The students will study French or Spanish culture and customs.

962 French II Honors

967 Spanish II Honors

Continues the development of the four linguistic skills. This course aims at intermediate proficiency and includes a supplementary reader. The students will study French or Spanish culture and customs. Pre-requisites: an "A" in level I or a "B+" or better in level I Honors and departmental approval.

933 French III

938 Spanish III

Reviews and refines the linguistic skills developed in levels one and two. This course aims at mid-intermediate skill proficiency whereby students can handle successfully a variety of uncomplicated, basic, and communicative tasks and social situations; can read, with minimal difficulty, French/Spanish written for native speakers; and can write with syntax in control.

963 French III Honors

968 Spanish III Honors

Reviews and refines the linguistic skills developed and aims at mid-intermediate proficiency. Additional readings are part of the course. Pre-requisites: recommended for students with a “B+” or better in level II Honors or an “A” or better in level II according to the grade level and departmental approval.

949 Spanish IV

This course is aimed at developing an intermediate proficiency in reading, listening, speaking, and writing Spanish. This course is an advanced grammar course with the addition of Latin American and Spanish history, and the use of newspapers, magazines and other media.

944 French IV Honors: French Culture & Literature

949 Spanish IV Honors: Spanish Culture & Literature

Is designed for the student who wants to refine language skills and work toward advanced proficiency. This course will focus on advanced grammar, improved communications skills, and readings. A study of and appreciation for French/Spanish art is included. Most of the course is conducted in the target language. Pre-requisites: a “B+” or better in level III Honors or an “A” or better in level III according to the grade level and departmental approval.

945 French V Honors

959 Spanish V Honors

Is designed for the student who has successfully completed level 4 Honors. The focus of the course is on literature, culture and history. Pre-requisites: a B+ or better in level IV honors and departmental approval.

979 A.P. Spanish

Is designed for the mastery of the four skills, focusing on grammar for those interested in taking the Advanced Placement exam in May. This course is conducted in the target language only. Pre-requisites: an “A” or better in level III Honors or level IV Honors and departmental approval based on a formal assessment.