



**2010-2011
Course Offerings**

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GENERAL INFORMATION

Graduation Requirements

For graduation from high school, a student is required to have earned a minimum of 25 Carnegie units of credit and have successfully earned credit in the following areas:

English	4 units of credit (2 composition; 2 literature)
Theology	4 units of credit
Social Studies	3 units of credit
Mathematics	4 units of credit
Science	3 units of credit
Fine Arts	1 unit of credit
Physical Education/Health	1 unit of credit
Speech	1/2 unit of credit
Online Class	1/2 unit of credit

Beginning with the graduating class of 2010, forty (40) community service hours must be completed and documented before a diploma will be awarded.

Recommended Minimum College Preparatory Curriculum

- 4 credits of Theology
- 4 credits of English--Composition and Literature
- 4 credits of Math--including Algebra 1, Algebra 2, and Geometry
- 3 credits of Science--Biology, Chemistry or Physics, and 1 additional Science
- 3 credits of Social Studies—including Economics and Government, World History, and US History
- 2 credits of World Language—starting grade 10/11, recommended grade 11
- 1 credit of Fine Arts
- 1-1/2 to 4 credits of Electives

Strongly Recommended

- 1/2 credit of Computer
- 1/2 credit of Keyboarding
- 1/2 to 4 credits of Electives

To improve their chances of acceptance to the college of their choice, students are encouraged to select courses from the highest level for which they qualify.

Course Selection Directions

- Freshmen will generally be encouraged to carry seven classes. Students opting for seven classes are committed to that number for the full term.
- Make certain that you discuss your course selection with your parents and consult with your teachers and counselor. A parent's signature is required on the course request form. Double check prerequisites for courses selected. Any error on the student's schedule must be brought to the attention of the counselor within the first five days of school. Students are not permitted to add or to drop courses. Any approved change must be made before the end of the second week of a semester. If a change is approved, a fee of \$80 must be paid before the change will be processed.
- EACH STUDENT MUST SELECT AT LEAST TWO ALTERNATE COURSES. IT IS NOT ALWAYS POSSIBLE TO BE SCHEDULED FOR ALL YOUR REQUESTS. IN CASE OF A SCHEDULING CONFLICT, THE STUDENT IS AUTOMATICALLY PLACED IN THE ALTERNATE. FOR THIS REASON, CHOOSE YOUR ALTERNATES VERY CAREFULLY.**
- Students and parents should realize that, though rare, a student's schedule may include two classes of the same subject (e.g. 2 Physical Education, 2 Social Studies) in one semester. This occurs when it is the only way to accommodate the classes selected by the student.

5. Student and parent signatures indicate a firm commitment for the entire school year. Year long classes cannot be dropped at the semester.
6. Student Aide positions are available in particular subjects, as described in the Course Offerings. At the time of registration, all aide and assistant positions must be approved and signed by the appropriate teacher or department chairperson. See individual department aide/assistant positions for eligibility. All aide and inservice positions are graded as Pass/Fail and do not impact GPA.

Class Requirements

Grade 9

1. Freshman Theology
2. One year of Language Arts (see Language Arts flowchart)
3. One year of Mathematics (see Mathematics flowchart)
4. Fine Arts—one full credit of Music, Art, or Theater
5. Freshman Physical Education
6. World History and Geography Skills, World History and Geography or Honors Western Civilization

Note: One credit in Science must be completed by the end of the Sophomore year.

Grade 10

1. Sophomore Theology
2. One year of Language Arts (see Language Arts flowchart)
3. One year of Mathematics (see Mathematics flowchart)
4. One year of United States History

Note: One credit in Science must be completed by the end of the Sophomore year.

Grade 11

1. Junior Theology
2. One year of Language Arts (see Language Arts flowchart)
3. Government and Economics (One semester each)
4. One year of Mathematics (see Mathematics flowchart)
5. 2nd or 3rd year of Science

Grade 12

1. One year course in Theology
2. One year of Language Arts (see Language Arts flowchart)
3. Speech (if not already taken)
4. One year of Mathematics (see Mathematics flowchart)
5. 3rd year of Science if not already taken

Online Class

In accordance with state requirements beginning with the class of 2011, each student is required to take and pass a semester of online coursework. Coursework must be approved by the administration. Fees incurred must be paid by the student. This grade is not reflected in GPA.

Honor Points

Gabriel Richard uses weighted grades for Honors and Advanced Placement courses. Honors courses receive an additional 1/3 of a point (A=4.33, etc.). Advanced Placement courses receive an additional 1.00 (A=5.00, etc.). A 3 or better must be earned on each AP exam to have the course designated as AP on the transcript, as demanded by the College Board/ AP Central.

Advanced Placement Courses

Students enrolled in AP Courses are required by the College Board to take the AP Exam and earn at least a 3 to have the AP credit added to their transcript. The exam fee is the responsibility of the student and is payable to Gabriel Richard High School. The fee is determined by the College Board and billed directly to the school.

LANGUAGE ARTS

The Language Arts Department offers three levels of study: Basic, General, and Honors. Basic reviews and develops fundamental skills in language and reading. General and Honors courses focus on a traditional academic approach to English. Both prepare a student for college. The Department recommends, however, that the above average student selects the Honors program. College admissions committees tend to evaluate the taking of Honors courses more favorably for admission and scholarships. Ability and/or teacher recommendation may be required for course choice acceptance.

Curriculum Overview

	<i>Basic</i>	<i>General</i>	<i>Honors</i>
Grade 9	English Skills 9	English 9	Hon. English 9
Grade 10	English Skills 10	English 10	Hon. Composition 10 Hon. American Literature
Grade 11	American Literature and Composition	Composition 11 American Literature	Hon. Composition 11 Hon. British Literature
Grade 12	Senior English	Research Techniques World Literature	A.P. English

104: English Skills 9 (Basic) (Year)

Grade Level: 9

The student will study basic grammar and writing to develop good sentence structure. Reading skills such as comprehension and vocabulary will be stressed.

150: English 9 (General) (Year)

Grade level: 9

Prerequisite: Qualifying Placement Test score

Students will review grammar, develop further understanding of sentence structures, and begin learning development for formal paragraph writing. Students are also introduced to a variety of literary works, including short stories, poetry, drama, and the novel. Students will study basic literary terms such as plot, setting, characterization, and theme. Reading comprehension skills, writing development skills, and verbal communication skills will be stressed.

102: Honors English 9 (Honors) (Year)

Grade Level: 9

Prerequisite: Qualifying Placement Test Score

This course will review and further develop grammar and writing skills, as well as provide instruction on the writing of the expository essay. An appreciation for literature and a development of reading skills will be promoted as students pursue an analytical and interpretive approach to a broad variety of global literature.

113: English Skills 10 (Basic) (Year)

Grade Level: 10

Prerequisite: English Skills 9 or Instructor Signature

The student will review skills from the previous year's class and will continue to study grammar and mechanic rules. The student will learn the importance of using different sentence structures and variety in writing. The student will review literary skills from the previous year's class and will continue to learn new literary terms, as well as learning to use critical thinking skills. Also, the student will learn how to organize, write, and edit different types of formal paragraphs.

151: English 10 (General) (Year)*Grade Level:* 10*Prerequisite:* English 9

The course will review and further develop grammar and formal paragraphing skills, as well as introduce the expository essay. Students will also continue to study the types of literature introduced in English 9. The elements of nonfiction and the epic will be introduced. Writing about literature, as well as discussing the selections, will be stressed.

107: Honors Composition 10 (First Semester)*Grade Level:* 10*Prerequisite:* Honors English 9

Students in this course will explore, analyze, and apply advanced techniques of essay writing.

111: Honors American Literature (Honors) (Second Semester)*Grade Level:* 10*Prerequisite:* Honors English 9 and Honors Composition 10

As students learn to understand the significance of all forms of literature in the emerging American nation, they will develop their analytical and interpretive skills. Writing and speaking about literature will be stressed.

106: American Literature and Composition (Basic) (Year)*Grade Level:* 11*Prerequisite:* English Skills 10 or Instructor signature

Students will survey the literary periods and the short stories, novels, essays, poetry, and drama of American authors, stressing comprehension and vocabulary skills. Students will continue to review basic grammar and formal paragraphing skills. Students will also learn the basics of effective essay writing.

182: Composition 11 (General) (First Semester)*Grade Level:* 11*Prerequisite:* English 10

This course provides instruction for effective essay writing: forming a legitimate opinion, defending it with logical detail, and writing about it with style.

109: American Literature (General) (Second Semester)*Grade Level:* 11*Prerequisite:* English 10

Students will survey the literary periods and the short stories, novels, essays, poetry, and drama of American authors. Writing and speaking about the literature will be stressed.

177: Honors Composition 11 (Honors) (First Semester)*Grade Level:* 11*Prerequisite:* Honors Composition 10

Students will continue to develop advanced techniques of essay writing. Students will read and evaluate several works of literature as a basis for their essays. The research paper will be introduced.

167: Honors British Literature (Honors) (Second Semester)*Grade Level:* 11*Prerequisite:* Honors Composition 11 and Honors American Literature

Representative British authors and their works will be discussed, analyzed and critiqued both in essay and class discussion. A sense of British history will be presented as this literature is introduced.

183: Senior English (Basic) (Year)*Grade Level:* 12*Prerequisite:* Instructor Signature

The primary goal of the class is to strengthen writing and reading skills. Students will write unified, coherent essays and learn the basics for locating resources, collecting notes, and writing a research paper. Students will also read popular novels of the 20th Century. Basic literary terms such as character, plot, voice, and theme will be reviewed.

180: World Literature (General) (Semester)*Grade Level:* 12*Prerequisite:* Composition 11 and American Literature

Literature of all genre from around the world will be read, interpreted, and analyzed by students in this course. The history and cultures of the countries from which the literature comes will also be studied as an integral part of understanding the authors' messages, themes, points of view, and characterizations. Students will respond to what they read in both written and verbal form.

181: Research Techniques (General) (Semester)*Grade Level:* 12*Prerequisite:* Composition 11

This course is designed to teach the college-bound student the necessary skills for writing research papers at the collegiate level. Special attention is paid to note-taking, outlining, developing a thesis, and revising a paper. Methods of research and citation will be taught as students organize data into a coherent, properly presented research paper.

185: Non-Traditional Writing Forms (General/Honors) (Year)*Grade Level:* 10-12*Prerequisite:* Instructor Signature

This course is designed for the student who wants an opportunity to explore his/her creative potential in writing. An introduction to the fundamentals of poetry, short stories, and journalism will be provided. Traditional classroom structure will give way to individualized instruction, and students will be involved in lessons on selected genres and writers. The focus will be to help students explore and understand many different, non-essay styles and techniques. In addition to a regular school newspaper, students will produce a publication of their stories and poems. This elective course does not replace the required composition and literature classes.

195: Advanced Placement English (Honors) (Year)*Grade Level:* 12*Prerequisite:* Instructor Signature

Advanced Placement English is offered to seniors of superior ability in English desiring a challenge. This course is designed to prepare students for college level skills in literary analysis and expository writing. Students will study critical standards for evaluating and appreciating any literary work. After reading selected fiction, drama, and poetry, students will compose critical essays about each work. Students taking the College Board Advanced Placement Test may earn college credit. Students will be required to do extensive reading and writing during the summer before senior year.

Electives

Described above:

Non-Traditional Writing Forms

196: Yearbook (Year)*Grade Level:* 11-12*Prerequisite:* Instructor Signature

Yearbook publishes the school yearbook, *Burgundy*. This is a class for students who like to be involved in different aspects of school and student life. Students have many opportunities for independent work and individual expression. The only obligations are for students to be motivated and responsible. Students learn and develop knowledge of journalism, publishing, specialized computer software, and photography.

SPEECH**112: Speech (Semester)***Grade Level:* 10-12

This is an introductory course to the skills and techniques necessary for acquiring self-confidence and poise in speaking articulately and effectively, specifically in public situations. This course is a requirement for graduation. It does not apply toward the required credits in English.

THEOLOGY**Requirements**

Four years of Theology are required for graduation. The Freshman, Sophomore, and Junior Curriculums are required as stated.

Curriculum Overview**Freshman Theology (Year)****Sophomore Theology (Year)****Junior Theology (Year)****Senior Year (Electives—must choose one)**

Honors Senior Theology

Senior Theology 1

Senior Theology 2

Campus Ministry

Course Descriptions**208: Freshman Theology (Year)**

First semester Freshman Theology is an overview of the Catholic Faith. Topics include faith, Judaism, Jesus and the Paschal Mystery, the Church and the Scriptures. Second semester is a continuation of the first semester and covers the topics of Tradition, Sacraments, Morality, Spirituality and Prayer. The liturgical year, the Mass and various prayer forms are studied in depth.

210: Sophomore Theology (Year)

Sophomore Theology includes Christology and Church History. One semester is a specific study of the life, ministry and message of Jesus and the impact of His life and mission throughout history and in our lives today. A second semester deals with the main developments, people, and events that have shaped the church, leading to an appreciation of the Spirit's guidance of the Church.

212: Junior Theology (Year)

Junior Theology includes a semester study of the Seven Sacraments of the Catholic Church. A second semester deals with Christian values. Students are led through the processes of conscience formation and moral decision making. Students are challenged to assume responsibility for their own growth and faithfulness to the persons they are called to be.

218: Honors Senior Theology (Honors Social Issues/ Comparative World Doctrines) (Year)

Prerequisite: A GPA of 3.0 and signature from a member of the Theology Department who has taught the student.

Semester one is a comprehensive examination of Catholic Church teachings on several human life issues. This course seeks to provide a thorough foundation of information with which to form values that respect the dignity of human life. Semester two is a study of people from different religious traditions. A broad understanding of the beliefs, religious practices and traditions of non-Christian religions, including Buddhism, Hinduism, Islam and Judaism are covered.

214: Senior Theology 1 (Liberation/Spirituality) (Year)

Fee: \$25 – In lieu of textbook for second semester

Senior Theology 1 defines Catholic Social Teaching. It provides a glimpse of a future in which right attitudes are lived, and offers an understanding of how to turn right attitudes into actions. Students are challenged to compare and contrast Gospel values with societal values. A second semester focuses on one's personal spirituality. Through prayer, journaling, reflection, discussion and personal sharing, students will come to better understand themselves and their relationship with God.

216: Senior Theology 2 (Scripture/Christian Lifestyles) (Year)

Senior Theology 2 examines and reflects upon the people, stories, faith challenges and triumphs held within the Hebrew Scriptures. Students will learn literary forms used in the Scriptures in order to further develop their understanding of its message. A second semester challenges students to live fully as Christian persons. The committed lifestyles of single, married, religious and ordained life are examined.

272: Campus Ministry (Year)

Grade Level: 12

Prerequisite: Application; Signature of Ms. Schanz

Limit: 15 students

Credit: 1 Credit

This course is designed for students who wish to become more involved in planning and initiating the following: liturgies, prayer services, retreats, and morning prayer. It is hoped that students will discover ways to reflect their teen culture within the spiritual orientation of the school. Moving from spectators to participants, students will assume a leadership role and ownership of the spiritual activities of the school. Students wishing to enroll in this class must complete an application and an interview. See Ms. Schanz for application.

MATHEMATICS

Course Placement

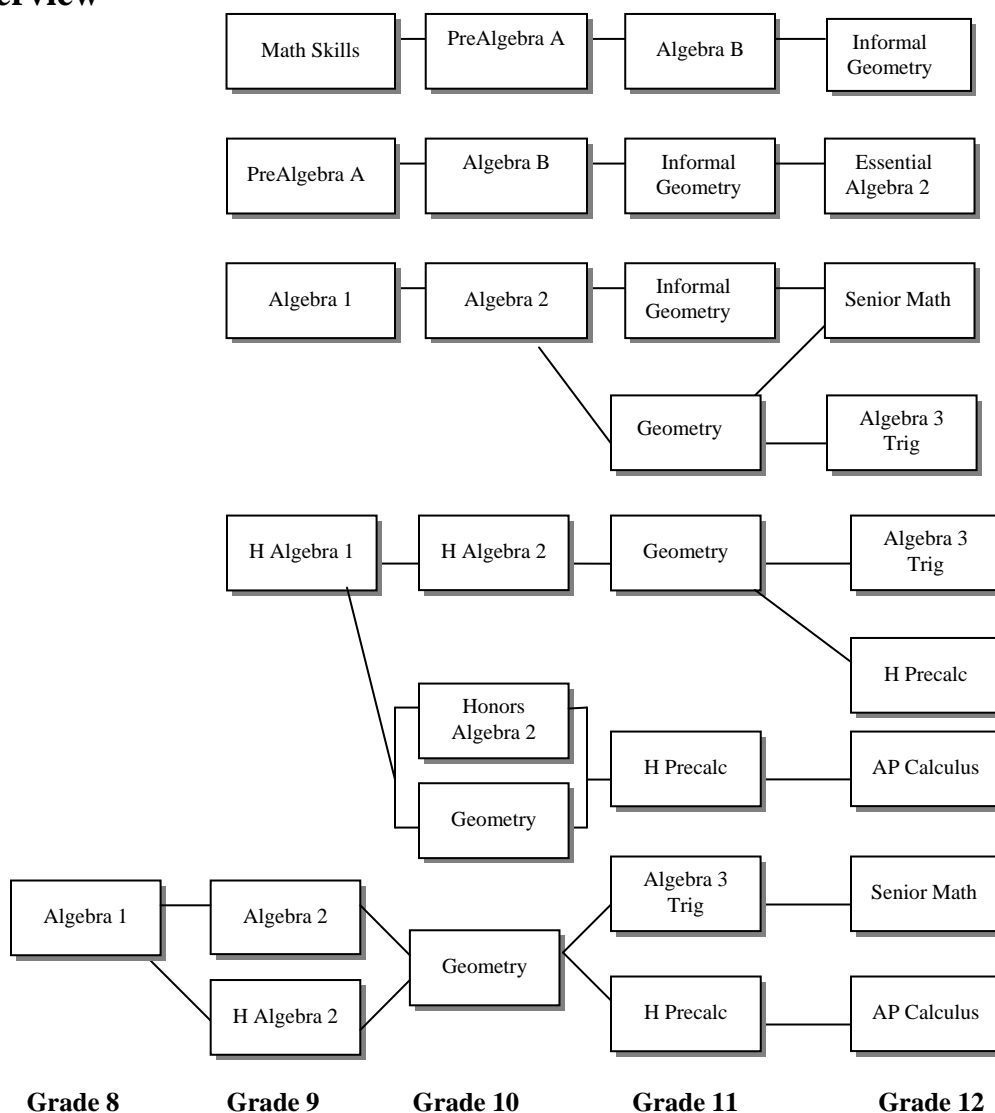
While receiving a D may give a student credit for a particular course, it does not indicate that the student has the necessary skills to take the follow-up course. Summer school or tutoring by a G.R. approved teacher is required before the student may take the following course. Prerequisites as stated for each course will be strictly enforced and rechecked by the teacher at the end of each semester. Consideration is given to students with a full year of Algebra before attending Richard. An Algebra 1 competency test will be administered in late spring to determine a student's eligibility for Algebra 2.

A. P. Calculus

If a student intends to take A. P. Calculus in their senior year, they must:

1. Have had a full year of Algebra in the eighth grade and pass our Algebra 1 test.
2. Or take two different math classes in their Sophomore year—Honors Algebra 2 and Geometry. Please look at department flowchart.

Curriculum Overview



Course Descriptions

300: Math Skills (Year)

Grade Level: 9

Prerequisite: Qualifying placement test score

This course is designed for those who have not yet mastered basic mathematical concepts. It is a remedial course for those without the background necessary for taking Algebra.

306: Algebra 1 (Year)

Grade Level: 9

Prerequisite: Qualifying placement test score

A first year Algebra course covers the basic operations involving real numbers, polynomials, special products and factoring, linear equations and inequalities, graphing on the number line and the Cartesian plane, algebraic word problems, absolute value concepts and the laws of exponents. It is a prerequisite for anyone who desires further study in mathematics, chemistry, or physics.

308: Honors Algebra 1 (Year)

Grade Level: 9

Prerequisite: Qualifying placement test score

This is an advanced course in Algebra, requiring a mature attitude toward academic study. In addition to the topics of regular Algebra, this course provides students with the opportunity to study additional topics such as irrational numbers and solving systems of equations in three variables. The course is designed to develop the student's computation skills, critical thinking, and problem solving abilities.

312: Informal Geometry (Year)*Grade Level:* 11-12*Prerequisite:* C in both semesters of Algebra B

This course presents the basic principles of Geometry in a simplified form. Formal proofs are not required, but the logic of proofs is studied.

310: Geometry (Year)*Grade Level:* 10-11*Prerequisite:* C in both semesters of Honors Algebra 1 or (Algebra 1 and Algebra 2)

This course covers the concepts of plane Euclidean geometry. Points, lines, planes, congruence, similarity of figures, deductive reasoning through the construction of formal two-column proofs are only a few of the topics which constitute this class. Critical analysis and logical thinking will be stressed.

317: PreAlgebra A (1 Year)*Grade Level:* 9-11*Prerequisite:* Qualifying placement test score; C or better in Math Skills

This course covers the basic operations involving real numbers, polynomials, special products and factoring. It also includes linear equations and inequalities, graphing on the number line and the Cartesian plane, algebraic word problems, absolute value concepts, and the laws of exponents. It is a prerequisite for anyone who desires further study in mathematics, chemistry, or physics.

318: Algebra B (1 Year)*Grade Level:* 10-11*Prerequisite:* C or better in PreAlgebra A

This course covers the basic operations involving real numbers, polynomials, special products and factoring. It also includes: linear equations and inequalities, graphing on the number line and the Cartesian plane, algebraic word problems, absolute value concepts, and the laws of exponents. It is a prerequisite for anyone who desires further study in mathematics, chemistry, or physics.

319: Senior Math (Year)*Grade Level:* 12*Prerequisite:* 3 years of math including any combination of the following: PreAlgebra A, Algebra B, Algebra 1, Algebra 2, Informal Geometry, and Geometry.

Senior Math is a concise review of essential math topics as well as the inclusion of new topics including probability, statistics, mathematical systems and set notations.

331: Essential Algebra 2 (Year)*Grade Level:* 12*Prerequisite:* C or better in Algebra B

Essential Algebra 2 is a continued study of math concepts in a simplified form. This course develops math skills through linear and quadratic equations, inequalities, radicals and functions.

334: Algebra 2 (Year)*Grade Level:* 10-12*Prerequisite:* C in both semesters of Algebra 1 or Honors Algebra 1

Algebra 2 is a continued study of math concepts. Emphasis is placed upon the development of math skills through study of linear and quadratic equations, inequalities, relations, functions, radicals, and imaginary and complex numbers.

336: Honors Algebra 2 (Year)*Grade Level:* 10*Prerequisite:* B or better in Honors Algebra 1

Honors Algebra 2 includes a complete study of Algebra 2 topics, as well as, the development of rational functions and a reinforcement of the connection between algebra and geometry through the study of conic section.

352: Algebra 3 and Trigonometry (Year)*Grade Level:* 11-12*Prerequisite:* C in both semesters of Algebra 2 and Geometry

This course focuses on the development of critical analysis and mature problem solving skills through the continued study of functions that will include exponential and logarithmic functions. The basic concepts of right triangle trigonometry will be introduced. Emphasis will be on the proper application of mathematical theory to problem solving.

345: Honors Precalculus (Year)*Grade Level:* 11-12*Prerequisite:* B in Geometry and Honors Algebra 2

This course is designed as preparation for a college level course in and calculus. Topics include: functions and their graphs; one and two variable inequalities; systems of equations and inequalities; polynomial functions; complex numbers; exponential, logarithmic and circular functions; conic sections; trigonometry. The emphasis is on the proper application of mathematical theory to problem solving.

347: Advanced Placement Calculus (Year)*Grade Level:* 12*Prerequisite:* C in Honors Precalculus

This course is a standard college course in differential and integral calculus. The course will cover limits, differentiation and integration and their applications, the calculus of the common transcendental functions, analytic geometry, and infinite series.

SCIENCE**Requirements**

Three years of science to include one year of a life science (Essential Biology, Biology, Honors Biology) and one year of Chemistry or Physics. A course in science must be completed by the end of the student's sophomore year. Four years of science is recommended for college-bound students who anticipate a science-related major in college. These majors would include science, biology, physics, chemistry, health/medical fields, engineering, and other technical fields.

Curriculum Overview
(based on placement scores)

SCIENCE

	<i>Basic</i>	<i>General</i>	<i>Honors</i>
Grade 9	Essential Biology	Biology	Honors Biology
Grade 10	Environmental Science	Chemistry or Community Chemistry	Chemistry or Honors Chemistry
Grade 11	Community Chemistry	AP Biology** AP Chemistry** Honors Anatomy Environmental Science Forensic Science / Intro to Athletic Training Physics Zoology	AP Biology** AP Chemistry** Honors Anatomy Honors Physics or Physics Environmental Science Forensic Science / Intro to Athletic Training Zoology
Grade 12	Forensic Science / Intro to Athletic Training Zoology	AP Biology** AP Chemistry** Honors Anatomy Environmental Science Forensic Science / Intro to Athletic Training Physics Zoology	AP Biology** AP Chemistry** Honors Anatomy Environmental Science Forensic Science / Intro to Athletic Training Physics or Honors Physics Zoology

**The College Board requires all AP Science courses to include a minimum of one lab hour per week outside of regular school hours.

Course Descriptions

402: Essential Biology (Year)

Grade Level: 9-10

Fee: \$20.00

This course is a hands-on, inquiry-based biology course. Content will cover general cell structure, cell reproduction, basic genetics, evolution, classification systems, and a quick study of the environment. Basic laboratory skills will be emphasized.

427: Biology (Year)

Grade Level: 9-10

Fee: \$20.00

Biology is a course designed to expand the students' knowledge of living organisms. This course will be a comprehensive study of contemporary biology, covering biochemistry, cells, genetics, evolution, and taxonomy of viruses, bacteria, protists, plants, and animals. A variety of teaching methods will be used including labs, group work, individual assignments and projects, and class discussions.

428: Honors Biology (Year)*Grade Level:* 9-10*Fee:* \$20.00

This course is designed for the highly motivated science student. This course focuses on major life processes including biochemistry, cell biology, traditional and modern genetics, genetic engineering, evolution, adaptation, and classification. This class is an overview of living organisms utilizing a three-domain classification system. The biology of organisms in their environments is also included in the course. In addition to the above topics, the honor student will complete supplemental and long-range assignments to expand research and laboratory skills.

432: Advanced Placement Biology (Year)*Grade Level:* 11-12*Prerequisite:* B+ in Biology or B in Honors Biology, B in Chemistry or taking concurrently; Biology Instructor signature*Fee:* \$25.00

This course is designed for the advanced science student who wants to place out of introductory Biology courses in college. This course will be an in-depth study of the major biological topics. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Approximately 50% of class time will be spent on organisms and populations, 25% on genetics and evolution and 25% on molecules and cells. Students will attend labs 1 hour a week outside of the regular class periods, either before or after school. Heavy emphasis will be placed on laboratory activities.

(Offered 2011-2012; not offered 2010-2011)

474: Honors Human Anatomy and Physiology (Year)*Grade Level:* 11-12*Prerequisite:* B in Biology or B- in Honors Biology, C+ in Chemistry or taking concurrently. Instructor signature*Fee:* \$25.00

An advanced Biology course, which aims to familiarize students with the structure and function of the human body through lecture and lab work, especially the dissection of organ systems. Recommended to students aspiring to a health career requiring at least four years of college preparation. Requires strong memorization skills.

(Offered in 2010-2011, not offered 2011-2012)

459: Community Chemistry (Year)*Grade Level:* 10-12*Prerequisite:* Completion of PreAlgebra A, Essential Biology or Biology*Fee:* \$25.00

This chemistry course is designed for the college prep student who is not intending to major in math or science. It will develop important chemistry concepts and skills needed to understand the chemistry behind issues and problems that may arise within the community. The content encompasses all key chemical concepts and skills typically found in a first-year high school chemistry course.

460: Chemistry (Year)*Grade Level:* 10-12*Prerequisite:* Completion of Biology or Honors Biology, and Algebra 1*Fee:* \$25.00

Chemistry is a study of matter and its changing composition. It includes a study of atomic structure, oxidation numbers, chemical bonds, energy transfer in chemical reactions, salts, formula writing, equation writing, and stoichiometry.

462: Honors Chemistry (Year)*Grade Level:* 10-12*Prerequisite:* B+ in Algebra 1 or B in Algebra 2, B in Honors Biology, Instructor Signature*Fee:* \$25.00

Topics will include those studied in General Chemistry. An emphasis will be placed on mathematical calculations. Quantitative and qualitative laboratory techniques, as well as organic chemistry will be studied.

467: Advanced Placement Chemistry (Year)*Grade Level:* 11-12*Prerequisite:* B+ in Chemistry, B in Honors Chemistry, B+ in Algebra 2, Chemistry Instructor signature*Fee:* \$25.00

This course is designed for advanced science students who want to place out of their introductory Chemistry course in college. This course will be taught at a college level and will move at a rapid pace. This course will be an in-depth study of general chemistry. Both, quantitative and qualitative laboratory techniques will be covered. A strong Math background is required for this course. Students will attend labs one hour a week outside of regular class periods.

(Offered in 2010-2011; not offered 2011-2012)

472: Physics (Year)*Grade Level:* 11-12*Prerequisite:* B in Algebra 1, B in Geometry*Fee:* \$25.00

This course will offer an introduction to physical laws and principles and the interrelationship between matter and energy. Students interested in pursuing a science major in college will benefit from this class.

480: Honors Physics (Year)*Grade Level:* 11-12*Prerequisite:* B in Algebra 3 or taking concurrently, Instructor Signature*Fee:* \$25.00

This course is designed for the honor student with a strong mathematical background. Advanced problem-solving skills will be applied to physical laws and principles.

450: Environmental Science (Year)*Grade Level:* 10-12*Fee:* \$20.00

Environmental Science will offer an unbiased approach to the environment with comprehensive content including (but not limited to) Ecology, Earth Science, Health and World Policy Topics.

441: Zoology (Year)*Grade Level:* 11-12*Prerequisite:* C in Biology or C+ in Essential Biology*Fee:* \$20.00

This course will cover the animal kingdom from invertebrates such as sponges to complex vertebrates such as primates. We will be focusing on the structure and behaviors of each group. Students use memorization and Latin root words to learn the different classifications of the animal kingdom. Class will include factual content and laboratory activities, including some dissection.

415: Forensic Science/ Intro to Athletic Training (Year)*Grade level:* 11-12*Prerequisite:* Biology, Chemistry, PreAlgebra A, Instructor Signature*Fee:* \$50.00

This is a year course with one semester of Forensic Science and one semester of Intro to Athletic Training. Each course will incorporate theories and techniques used in real-world situations. Guest speakers and hands-on activities are an integral part of this course. Training room and athletic event assistance is required by the student. *Students will gain first aid and CPR certification.*

405: Lab Assistant (Semester)*Grade Level:* 12*Prerequisite:* 3.0 Cumulative GPA, Chemistry, Department Chair signature*Grade:* Pass/Fail

Laboratory assistants will be assigned to a specific science teacher. Duties will include setting up and taking down lab equipment, helping students in class with labs and independent work, cleaning and other miscellaneous tasks. Students may use this time as a study period if not needed by the teacher.

SOCIAL STUDIES**Curriculum Overview**

	<i>Basic</i>	<i>General</i>	<i>Advanced</i>
Grade 9	World History and Geography Skills	World History and Geography	Honors Western Civilization
Grade 10	US History Skills	US History	US History
Grade 11	Current Issues In Social Studies Economics Government	Economics Government Psychology Sociology War Years	AP Government AP European History AP Psychology AP US History Economics Government Psychology Sociology War Years
Grade 12	Current Issues In Social Studies	Psychology Sociology War Years	AP Government AP European History AP Psychology AP US History Psychology Sociology War Years

Course Descriptions

502: World History and Geography Skills (Basic) (Year)

Grade Level: 9

Prerequisite: Reading and composite score of 0- 35

During this introductory course, students will acquire the skills necessary to succeed in high school. While learning World History and Geography, students will also learn note-taking skills, general study skills, test-taking skills, and skills required for success in their future school careers.

503: World History and Geography (General) (Year)

Grade Level: 9

Prerequisite: Reading and composite score of 36-74

This year course will focus on the period of history from ancient Greece and Rome to the twentieth century. Units will include: Ancient Greece and Rome, India, China, and the early Americans, Renaissance and Reformation, the dominance of Europe, and the beginning of a global society.

520/525: Honors Western Civilization (Advanced) (Year)

Grade Level: 9

Prerequisite: Reading and composite score 75-99

This year course covers Our Classical Heritage, The Middle Ages, The World Beyond Europe, and ending with the dominance of Europe. Students are expected to read extensively, take notes, participate in class activities, and complete unit projects.

501: United States History Skills (Basic) (Year)

Grade Level: 10

This year long required course will continue building study skills while focusing on 1870–present in the United States.

531: United States History (General and Advanced) (Year)

Grade Level: 10

This year long required class with focus on 1870 to present.

532: US--The War Years (General and Advanced) (Semester)

Grade Level: 11-12

This course will offer an in-depth study of US foreign relations, military strategy, field experience, and domestic reaction to World War I through the Cold War. Primary sources will be utilized. This elective course does not satisfy the US History requirement.

540: Government (Basic, General, and Advanced) (Semester)

Grade Level: 11

This semester course surveys the organization and activities of the federal government. Topics such as lobbying, political humor, presidential powers, and landmark Supreme Court cases are studied.

545: Psychology (General and Advanced) (Semester)

Grade Level: 11-12

This semester course is an introduction to the principles and applications of psychology. Topics covered will include methods of the psychologist, as well as theories of personality development, psychological disturbances and treatments, and social behavior.

548: Advanced Placement Psychology (Advanced) (Year)*Grade Level:* 11-12*Prerequisite:* 3.3 GPA, signature of Ms. Jantzen

This full year course will cover the history and methods of psychology, sensation, and perception, states of consciousness, learning, cognition, personality, abnormal behavior, and social psychology. The class will involve lecture and discussion, essay writing and projects. College credit may be earned for successful completion of the AP exam at the end of the year. Taking the AP exam is required.

549: Sociology (Semester)*Grade Level:* 11-12

This semester course deals with the complex social issues of our time. Topics discussed will include the changing family structure, cultural deviance and juvenile delinquency, social inequalities, religion and the future. Students will be expected to do research projects and give oral reports.

550: Economics (Basic, General, and Advanced) (Semester)*Grade Level:* 11

This is a one semester course that is a requirement for graduation beginning with the class of 2011. Topics such as the American economy and consumerism, as well as microeconomics and macroeconomics, will be covered.

534: Current Issues in Social Studies (Basic) (Semester)*Grade Level:* 11-12*Prerequisite:* Signature of Ms. Sullivan

This one semester elective will focus on current topics in social studies.

560: Advanced Placement US History (Advanced) (Year)*Grade Level:* 11-12*Prerequisite:* 3.3 GPA, signature of Ms. Napieralski

This college level survey class is designed for the student with superior ability and interest in United States History. This class will stress reading and researching historical material analytically and critically with an emphasis on primary sources. The class format includes lectures, small group discussions, and oral and written reports. It is expected that students in this course are able to convey their grasp of material through multiple choice tests and essays. College credit may be successfully earned by completing the AP Exam at the end of the school year. Taking the AP exam is required.

(Offered in 2011-2012; will not be offered 2010-2011)

561: Advanced Placement American Government (Advanced) (Year)*Grade Level:* 11-12*Prerequisite:* 3.3 GPA and signature of Ms. Sovel

This course is a full year course that will give students an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret US politics and the analysis of specific examples. It requires a familiarity with the various institutions, groups, beliefs, and ideas that constitute US politics. Topics covered will include: Constitutional underpinnings of the US Government, Political Beliefs and Behaviors, Political Parties, Interest Groups and Mass Media, Public Policy and Civil Rights and Civil Liberties. A.P. History is recommended before taking this course. College credit may be earned by completing the AP Exam at the end of the year. Taking the AP exam is required.

563: Advanced Placement European History (Advanced) (Year)*Grade Level:* 11-12*Prerequisite:* 3.3 GPA, signature of Ms. Napieralski

This year course is a college level survey class where students are expected to demonstrate knowledge of basic chronology and of major events and trends from approximately 1450 to the present. The goals of this course are “to develop (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence, and (c) an ability to analyze and to

express historical understanding in writing.” Students are expected to participate in discussion, and to give evidence of their grasp of material through multiple choice tests and through essays. College credit may be earned by completing the AP Exam at the end of the year. Taking the AP exam is required.

(Offered in 2010-2011; will not be offered 2011-2012)

FOREIGN LANGUAGE

600: French 1 (Year)

Grade Level: 9-12

Prerequisite: 45-99 on HSPT, C or better in Language Arts

This beginning course is for students who have no previous French, or those who have had conversational French. Emphasis is on oral practice and conversation. Grammar and vocabulary are based on exercises in their workbook and textbook. Students are also introduced to various aspects of French Culture, and to other countries in the French-speaking world.

601: French 2 (Year)

Grade Level: 10-12

Prerequisite: C in French 1; Instructor Signature

Students continue their study of the basic skills of speaking, listening, reading, and writing. More French customs and history are learned.

604: French 3 (Year)

Grade Level: 11-12

Prerequisite: C in French 2; Instructor Signature

The third year course emphasizes oral skills and the grammatical concepts are reviewed. More information is given about the customs, culture, and history of France. Supplementary reading is also done.

606: French 4 (Year)

Grade Level: 12

Prerequisite: C in French 3; Instructor Signature

This course gives the students an opportunity to use the four skills they have acquired reading, writing, speaking, and listening. They read and discuss literary works, news articles, and other selected materials. They write various compositions and learn more of French history and art. They will review and perfect grammar and learn more sophisticated ways of writing and speaking French.

610/611: Spanish 1 (Year)

Grade Level: 9-12

Prerequisite: 45-99 on HSPT, C or better in Language Arts

Today's travel, business and communications make second language learning a must. In Spanish 1, students learn the basics of speaking the language. The class consists of everyday conversation, careful listening and pronouncing; and some reading and writing exercises, along with a study of Spanish-speaking people.

612/613: Spanish 2 (Year)

Grade Level: 10-12

Prerequisite: C or better in Spanish 1; Instructor Signature

Building on the basics of a new language learned in Spanish 1, students will begin usage in dialogues, conversations, reading and writing. They will expand their grasp of grammatical and cultural concepts. This is enriched by the study of the customs, celebrations and history of Spanish-speaking people.

614: Spanish 3 (Year)*Grade Level:* 11-12*Prerequisite:* C or better in Spanish 2; Instructor Signature

Grammar and the mechanics will prepare students to speak more fluently. The concentration will be on developing awareness of the broad spectrum of Spanish influence and the need for articulate speakers in the world market.

616: Spanish 4 (Year)*Grade Level:* 12*Prerequisite:* C or better in Spanish 3; Instructor Signature

The aim of this course will be for the student to excel in the four skills of reading, writing, speaking, and understanding Spanish. The possibility of advanced placement is available to above average language achievers who commit themselves to excellence and exhibit skill through conversation, composition, and study of classical writers of Spanish.

620: German 1 (Year)*Grade Level:* 9-12*Prerequisite:* 45-99 on HSPT, C or better in Language Arts

The German 1 course includes grammar study and vocabulary building through listening, repeating, reading, and writing exercises. Conversational German is taught as well as reading and vocabulary skills in the technical areas. This course is for the serious language student who desires a background knowledge of German for college and future travel or business.

622: German 2 (Year)*Grade Level:* 10-12*Prerequisite:* C or better in German 1, Instructor Signature

German 2 is an extension of the German 1 program with a more intensified emphasis on grammar and vocabulary. Students will be building a facility in German through the skills of listening, repeating, reading, and writing. Students in German II are expected to comprehend instructions and grammatical explanations in the German language. Emphasis is also given to regional linguistic differences in the pronunciation of German.

624: German 3 (Year)*Grade Level:* 11-12*Prerequisite:* C or better in German 2; Instructor Signature.

The third level of German concerns itself with extended skills in reading, writing, speaking and listening comprehension. Through class interaction and activities, the student learns to function in varied situations in the German language. Supplemental readings and oral and written reporting are also employed.

628: German 4 (Year)*Grade Level:* Grade 12*Prerequisite:* C or better in German 3; Instructor Signature

The focus of this course is the reading of German Literature, newspapers, poetry and educational materials. The student will also be required to write reviews, articles, correspondence and stories in German. This course will also be available on an independent study basis.

FINE ARTS

The following Fine Arts course offerings are from the Music, Art and Theater Departments.

ART

Class fees cover general class supplies such as paint, ink, pastels, etc., which are dispensed to students on an as needed basis.

720: Freshman Art (Year)*Grade Level:* 9th grade ONLY*Fee:* \$75.00

This course will combine traditional art/design elements with a computer and dry/wet media. Adobe Photoshop CS4 will be introduced in this course. Each student will keep a digital portfolio on the network during this semester class. Students will learn to apply the elements and principles of 2-D design in various projects including realistic, abstract, surreal, and expressive collages. When using the dry/wet media, students will design various projects using pencils, markers, conte' crayon, watercolor, and ink for their work.

727: Clayworks (Semester)*Grade Level:* 10-12*Prerequisite:* Instructor Signature*Fee:* \$50.00

This course will combine pottery and sculpture techniques using various handbuilding and finishing methods including the use of various glazes. Each student will experience the art of throwing on the potter's wheel. Instruction in the use of the kiln will be presented.

731: Clayworks 2 (Semester)*Grade Level:* 11-12*Prerequisite:* Clayworks and Instructor Signature*Fee:* \$50.00

This course will further explore clay and pottery techniques for the skilled student. Wheel throwing will be incorporated into new projects. Students who desire to take AP 3D are encouraged to take this course.

749: Advanced Drawing (Semester)*Grade Level:* 10-12 Grade Only*Prerequisite:* Instructor Signature and 10 sample drawings to be approved before acceptance.*Fee:* \$40.00

This class is designed for the serious art student. A strong emphasis in traditional sketching will be explored. Students taking this course will sketch from daily observation in class. A variety of wet and dry media will be used to enhance the drawing skills of the student. This course will help any student seriously thinking of creating an AP drawing portfolio.

750: Acrylic Painting (Semester)*Grade Level:* 10-12*Prerequisite:* Instructor Signature.*Fee:* \$50.00

This course is an introduction to acrylic painting. Acrylic paint will be used as water color, and various other consistencies will be presented to help discover the versatility of the medium. Students will be encouraged to develop their own style of painting. (OFFERED YEARLY)

754: Photography 1 (Semester)*Grade Level:* 11-12 Priority (10th if space allows)*Prerequisite:* Instructor Signature (Senior priority)*Fee:* \$30.00

This course will explore a variety of digital photography techniques and processes including portraits, lighting, filters, color and B/W photography, resolution, *Adobe Photoshop CS 4* and mixed media. The history of photography, artists, and portfolio presentation will be covered. Students will need to own or have access to a digital camera for the entire semester. The camera brand is optional but should be at least a 3 mega pixel camera. Students will have weekly photography assignments that will require them to download photographs at home and bring in a CD or flash drive with their photographs burned on. Students are NOT given a camera for this course. The class fee covers printing for the semester.

755: Photography 2-Digital Art/Graphic Design (Semester)*Grade Level:* 11-12*Prerequisites:* Photography 1 and Instructor Signature*Fee:* \$30.00

This one semester class will cover *Adobe Photoshop CS 4* in depth with the emphasis of a personal style for each student/photographer. The student will work on a series that will be his/her final project. Graphic design projects will also be incorporated into the art the student will create. Students will need to own or have access to a digital camera for the entire semester. The camera brand is optional but should be at least a 3 mega pixel camera. Students will have weekly photography assignments that will require them to download photographs at home and bring in a CD or flash drive with their photographs burned on. Students are NOT given a camera for this course. The class fee covers printing for the semester.

760: Art Aide (Semester)*Grade Level:* 12*Prerequisite:* Instructor Signature; B in previous art course, 1 in citizenship.*Grade:* Pass/Fail

Student will assist in organizing art labs, preparing materials, and matting pictures. Student will assist in labeling pictures and preparing artwork for art shows and Open House. Student may also assist Drawing 1 and Art Exploration students with assignments. *Grade: Pass/Fail*

763: Advanced Placement Studio Art (Year)*Grade Level:* 11-12*Prerequisite:* Photo 1 and Instructor Signature (Senior Priority)*Fee:* \$50.00

This course is designed for students pursuing a career in art. Advanced Placement Studio Art is offered to seniors of superior ability in drawing desiring a challenge. Students can enter in the area of drawing or general portfolio. The quantity of work is extensive. The Drawing Portfolio requires 5 works in the area of *quality*, up to 12 slides in the area of *concentration*, and 12 slides in the area of *breadth*. Drawing ability and imagination are the main criteria. Students taking the College Board Advanced Placement Test (Portfolio Evaluation) may earn college credit. A weekly critique will take place for students to view and comment on art created for this class. Students will be required to submit ideas for their theme before the end of their Junior year for approval. Students are encouraged to begin working on their portfolios during the summer break.

MUSIC**799: Beginning Band (Year)***Grade Level:* 9-12

Open to all students who have an interest in learning to play a musical instrument, this course requires no previous learning experience on a musical instrument. This course is designed to present the fundamentals of instrumental music to the student. The course material includes information on the proper care and handling of equipment used in band as well as the mechanics of good tone production on a chosen instrument. Each student is required by the end of the term to read music and pass an elementary proficiency examination.

798: Varsity Band (Symphonic Band) (Year)*Grade Level:* 9-12*Prerequisite:* One or more of the following: beginning band; any previous band experience; or passed audition held by the director.*Requirement:* Attendance at all scheduled performances and rehearsals including possible volunteer performances at football and basketball games.

Varsity Band (Symphonic Band) is a performance ensemble. Emphasis is placed on the reading of concert performance music to expose the student to various musical styles. Students will be expected to perform in the proper musical style. The most important part of Varsity Band is to teach students

self-discipline and how to work together as one unit to create a positive and successful musical experience.

790: Music Appreciation/History (Year)

Grade Level: 10-12

Music Appreciation/History will teach students about the Western Civilization of music. This will show students where music came from and why we have what society calls “music” today. Students will learn about music and composers from the Renaissance Period (1400-1600), Baroque Era (1600-1750), Classical Period (1730-1820), Romantic Period (1815-1910) and 20th Century Classical Music (1900-present). The most important and influential composers as well as musical works will be highlighted in this class. This will show students how many of the theories and techniques used in the past are still used today, even in contemporary and alternative music.

794: Concert Choir (Year)

Grade Level: 9-12

Requirement: Attendance at all scheduled performances and rehearsals including possible volunteer performances at football and basketball games.

This class is for all students who have an interest in singing. The goal for this class is to be able to sing in four-part harmony. Students will be tested as to what section they will be singing in (Soprano, Alto, Tenor, and Bass). Students will be singing a wide range of music dating from the 1600’s to the present.

796: Music Theory (Year)

Grade Level: 10-12

Prerequisite: One or more of the following: beginning band, varsity band; must be able to read music; open to vocalists; or passed basic music theory test given by instructor.

Music Theory is the study of how and why music works. The basic concepts and ideas of music are taught; and when they are singing or playing their instrument, students will have a better understanding of what they are doing and why. Some of the basic music theory skills that will be taught but not limited to include: reading music in both treble and bass clef, scales (both major and minor) and modes, transposition, creating basic chords, and analyzing musical scores.

797: Jazz Band (Year)

Grade Level: 11-12

Prerequisite: One or more of the following: beginning band, varsity band, must be able to read music (notes and rhythms), any previous band experience, or passed audition held by the director.

Jazz band is a performance ensemble. It is for students who are serious about performing, entertaining, and have an interest in this musical style. Students will learn about composers and the various styles of jazz from the 1920’s to present day modern jazz. They will rehearse and perform music by artists and composers/arrangers such as Glen Miller, Duke Ellington, Count Basie, and Sammy Nestico. Jazz theory as well as history will also be taught as part of the understanding and learning process of jazz.

795: Band Assistant (Year)

Grade Level: 12

Prerequisite: Varsity Band and Signature of instructor

Grade: Pass/Fail

The band assistant is responsible for daily preparation for Beginner Band. This would include music, equipment, and instruction. The assistant carries on the instruction of the beginners in the absence of the instructor.

DRAMA

710: Theater Arts (Year)

Grade Level: 9-12

No experience necessary, although interest is helpful. Students will study and prepare projects and activities related to performance and theatrical design. Areas of study will include: mime, improvisation, scene study, characterization, dance and vocal performance, set design, set lighting, costuming, and make-up design.

BUSINESS/COMPUTER SCIENCE DEPARTMENT

873: Accounting (Semester)

Grade Level: 11-12

Prerequisite: C or better average in Math

Considering a business, engineering, accounting, or law career? This course presents the basic principles, concepts, and procedures of accounting for keeping financial records. There is pen/pencil work, as well as a final project.

874: Business Law (Semester)

Grade Level: 11-12

Business Law is an interesting, practical, and relevant course. It gives the students a comprehensive overview of our entire legal system, expands their vocabulary, and sharpens their ability to think analytically and systematically. The course includes guest speakers and a mock trial at court.

862: Keyboarding (Semester)

Grade Level: 9-12

A **must** course for all college-bound and business-oriented students. Using computers, this course will build skills for typing letters, tables, and most importantly, term papers.

671: Word (Semester)

Grade Level: 9-12

Prerequisite: Keyboarding

Word is a versatile, easy-to-use word processing program. Class work will include hands-on exercises, reviews, and applications to improve usage of this comprehensive popular software for business and home.

672: Excel/Access (Semester)

Grade Level: 10-12

Prerequisites: Keyboarding, or C or better in PreAlgebra A

EXCEL, a popular spreadsheet program, will give students the ability to organize, analyze, and present data. They will also build databases, draw diagrams, chart information, and use graphics. ACCESS, a database management program, gives students the tools to organize and keep track of information.

666: Desktop Publishing 1 (Semester)

Grade Level: 11-12

Prerequisite: Instructor Signature and C or better in keyboarding (or evidence of equivalent).

Students will learn skills in designing and assembling desktop publishing projects using InDesign CS4. They will learn to manipulate text, graphics, and illustrations. Much of the work will be self-motivated with students responsible for meeting specific deadlines.

667: Desktop Publishing 2 (Semester)

Grade Level: 11-12

Prerequisite: Desktop Publishing 1 and Instructor Signature

This course is a continuation of Desktop Publishing 1 with the emphasis on layout, visual appeal, integration of scanned material. Most of the work will be self-motivated.

668: Advanced Publishing (Semester)

Grade Level: 11-12

Prerequisite: Keyboarding and Desktop 1, and Instructor Signature

The advanced publishing class will be responsible for producing professional quality publications for the school including the Course Booklet, programs, posters, tickets, etc. Software used will include: Word, InDesign CS4, and others. This class will be responsible for deadlines, group work, communication with staff, and setting up professional materials for publication.

HOME ECONOMICS**831: Foods 1 (Semester)**

Grade Level: 10-12

Fee: \$80.00

Foods 1 is a course that develops the student's knowledge and abilities in a wide range of food and nutrition related areas. We will cover topics such as proper cooking methods, appliance care, kitchen safety, and time management. In addition the students will explore healthy meal planning and food related careers and topics. Students will participate in labs, projects, and various written assignments.

832: Foods 2 (Semester)

Grade Level: 11-12

Prerequisite: Foods 1; Instructor Signature

Fee: \$80.00

Foods 2 will build on knowledge and techniques learned in Foods 1. Special emphasis will be placed on ethnic cooking, baking, catering, and entertaining.

836: Independent Living (Semester)

Grade Level: 10-12

Fee: \$15.00

This course is based on the practical skills necessary to begin life as an independent person. Topics covered include: decision making, communication and relationships; time management; parenting and family; gathering consumer information, choosing careers and colleges, banking, budgeting and financial planning.

845: Home Economics Aide (Semester)

Grade Level: 10-12

Prerequisite: Instructor Signature

Grade: Pass/Fail

Student will assist the teacher with the organization, set-up, clean-up, maintenance and inventory of kitchens, supplies and groceries.

LIBRARY AIDE**802: Library Aide (Semester--may be repeated once)**

Grade Level: 10-12

Prerequisite: No grade lower than 2 in Citizenship; Librarian Signature

Grade: Pass/Fail

This is a hands-on course. Students will help to improve the library's service to the GR community by actively participating in its day-to-day operations. The library is currently responsible for can recycling.

PHYSICAL EDUCATION

900/901: Freshman Physical Education/Health (Year)

Grade Level: 9

Requirement: Regulation P.E. uniform

The emphasis of development in this class will be twofold: (1) physical fitness/sports skills and (2) health. Each student's fitness level will be evaluated at the beginning of the school year and will be retested throughout the year for progress. A workout period will be provided daily to improve fitness scores. The sport portion of the class will emphasize the fundamental skills, rules and strategies of each activity. A written test will be administered at the conclusion of each unit. Various health concepts will be included in the class.

905: Weight Training and Conditioning 1 (Semester)

Grade Level: 10-12

Prerequisite: Instructor Signature

Requirement: Regulation Weight Training uniform

Each student will work on a program geared to total body conditioning, including strength and flexibility. The main emphasis of the program will be work in the weight room. Individual progress will be recorded with evaluation made upon individual improvement. Students will be required to identify the major muscles of the body used in lifting.

906: Weight Training and Conditioning 2 (Semester)

Grade Level: 10-12

Prerequisite: Weight Training 1. Instructor Signature

Requirement: Regulation Weight Training uniform

Each student will work on a fitness program to develop overall body strength and total body conditioning. Students will be pretested in 6 areas, 2 of these determined by the teacher and 4 selected by each student. Each student will then further develop a program to include 12 workout areas. Students will be evaluated on individual progress. Students will know the major muscles of the body and their functions.

907: Weight Training and Conditioning 3 (Semester)

Grade Level: 10-12

Prerequisite: Weight Training and Conditioning 2. Instructor Signature

Requirement: Regulation Weight Training uniform.

Each student will develop his/her own weight training program. The program will include strength, flexibility, and cardiovascular development. Students will be pre-and post-tested on 6 of the 10-12 areas that are selected for a total workout. Each student will develop this program using prior knowledge and experience, combined with materials provided by the teacher. Students will know the muscles of the body and how to develop those muscles.

908: Weight Training and Conditioning 4 (Semester)

Grade Level: 11-12

Prerequisite: Weight Training and Conditioning 3. Instructor Signature

Requirement: Regulation Weight Training uniform

Each student will develop his/her own weight training and conditioning program. This is to be an individualized program working toward specific goals and objectives. Each student with the teacher will establish individual goals for evaluation. Students will be able to identify 20 minor muscles used in weight training.

909: Weight Training and Conditioning 5 (Semester)

Grade Level: 11-12

Prerequisite: Weight Training 4. Instructor Signature

Requirement: Regulation Weight Training uniform.

Each student will develop a program geared to either a specific sport or toward overall strength building. Conditioning will also be included. Students will be required to do outside research for the materials in developing the individualized program. Evaluation will be based on individual's goals and objectives as verified through the instructor. Learning of the actions of the muscles learned in the other classes will be the basis of the final exam.

911: Fitness For A Lifetime (Semester)

Grade Level: 10-12

Prerequisite: Instructor Signature

Requirement: Regulation physical education uniform

This course will emphasize physical fitness and conditioning from a lifetime approach by strengthening and toning the muscles through a program of walking/running, weight training, low impact aerobics, and pilates. Students will develop individual programs to improve cardio-respiratory endurance, muscular strength and endurance, and flexibility. These programs will also address overall fitness as well as specific sport conditioning IF DESIRED. Nutritional concepts as well as current health issues will also be discussed.

930: Team Sports 1 (Semester)

Grade Level: 10-12

Prerequisite: Instructor Signature

Requirement: Regulation Team Sports P.E. uniform, mouth guard for floor hockey

The emphasis of this class will be to improve upon and to develop additional sports skills. Activities that may be included are floor hockey, soccer, touch football, basketball, team handball, volleyball, and softball.

931: Team Sports 2 (Semester)

Grade Level: 10-12

Prerequisite: Instructor Signature

Requirement: Regulation P.E. uniform

The emphasis of this class will be to improve and develop sports skills. Activities that may be included are: (team) handball, volleyball, softball, basketball, floor hockey, soccer, and touch football.

935: Inservice Team Sports (Semester)

Grade Level: 12

Prerequisite: Team sports class, Instructor Signature

Requirement: Regulation Inservice P.E. uniform

Grade: Pass/Fail

The student will act as an assistant to the teacher in the team sports classes. Students must have an extensive knowledge of the team sports rules, regulations and procedures to be covered in the class. Students must also possess the ability to assist in the development of individual skills in an advanced level class. Students will be responsible for setting up tournaments and assisting with setup of equipment.

915: Inservice Physical Education (First Semester)*Grade Level:* 12*Prerequisite:* Instructor Signature*Requirement:* Regulation Inservice P.E. uniform*Grade:* Pass/Fail

The student will act as an assistant to the physical education teachers in the classes. He/she will assist in the development of sports and fitness skills and will assist more in the teaching of sports skills and in developing individual fitness levels. This class is intended for students who might be considering a teaching career or want a long term experience working in a classroom. Activities may include physical fitness testing, speedaway, track and field, and volleyball.

916: Inservice Physical Education (Second Semester)*Grade Level:* 12*Prerequisite:* Instructor Signature*Requirement:* Regulation Inservice P.E. uniform*Grade:* Pass/Fail

The student will act as an assistant to the physical education teachers in the classes. He/she will assist in the development of sports and fitness skills and will assist more in the teaching of sports skills and in developing individual fitness levels. This class is intended for students who might be considering a teaching career or want a long term experience working in a classroom. Activities may include folk dance, basketball, floor hockey, badminton, softball, and physical fitness testing.

918: Lifetime Activities (Semester)*Grade Level:* 11-12*Prerequisite:* Instructor Signature*Requirement:* Regulation Lifetime P.E. uniform

This course will introduce and develop skill in activities in which one can participate throughout one's life. Activities that may be included are: golf, tennis, volleyball, badminton, table tennis, bowling, eclipse ball, and card games. Many of the activities outside of the building require a fee. All students enrolled in this class will be required to participate in all of these activities as they are scheduled or the grade will be affected.

919: Inservice Lifetime Activities (Semester)*Grade Level:* 12*Prerequisite:* Completed Lifetime Activities; Instructor Signature*Requirement:* Regulation Inservice PE Uniform*Grade:* Pass/Fail

The student will act as an assistant to the teacher. The student must possess the ability and the desire to assist the students in the learning of the Lifetime Activities' skills. The student will be responsible for setting up and taking down the various equipment used for class. The ability to demonstrate skills is not a necessity. The student will also assist in the supervision of students during outside activities.

922: Inservice Weight Training (Semester)*Grade Level:* 12*Prerequisite:* Weight Training 2 and Instructor Signature*Requirement:* Regulation Inservice PE Uniform*Grade:* Pass/Fail

This course will give the student the opportunity to assist in the beginning Weight Training class. Students will assist with spotting and aiding other students in selecting exercises that will best help develop that student. The student will also assist the teacher in supervision of the workouts.

925: Strategy and Logic of Board and Card Games (Semester)

Grade Level: 11-12

Prerequisite: Instructor Signature

The purpose of this class will be to develop logical thinking through the playing of both card and board games. Students will learn games that require both strategy and critical thinking and will also develop social skills. A variety of games will be learned from different categories. Some of the games that may be taught (this is not a complete listing) are euchre, hearts, rummy cube, sequence, boggle, etc.

926: Inservice Strategy and Logic of Board and Card Games (Semester)

Grade Level: 12

Prerequisite: Instructor Signature and Strategy and Logic of Board and Card Games Class

Grade: Pass/Fail

The assistant in this class will be expected to assist in the set up and cleanup of all the games. While the class is participating in the various activities, the assistant will work with groups, developing both knowledge of the game and strategies of the game. The student should be aware of progress made by individual students. Complete knowledge of the rules and an acute awareness of the strategy is essential.

COURSES REQUIRING SIGNATURES

All Aides, Assistants and In-service

All of these positions in every department require a signature

Business/Computers

666 Desktop Publishing 1
667 Desktop Publishing 2
668 Advanced Publishing

Fine Arts

All Art courses beyond Grade 9

Foreign Language

All Foreign Language courses beyond the 1st year

Home Economics

832 Foods 2

Language Arts

183 Senior English
185 Non-Traditional Writing Forms
195 AP English
196 Yearbook

Mathematics

All Math courses beyond Grade 9

Physical Education

905, 906, 907, 908, 909 Weight Training
911 Fitness For A Lifetime
918 Lifetime Activities
925 Strategy and Logic of Board and Card Games
930, 931 Team Sports

Science

415 Forensic Science/Introduction to Athletic Training
432 AP Biology
462 Honors Chemistry
467 AP Chemistry
474 Honors Human Anatomy and Physiology
480 Honors Physics

Social Studies

534 Current Issues In Social Studies
548 AP Psychology
560 AP American History
561 AP American Government
563 AP European History

Theology

218 Honors Senior Theology
272 Campus Ministry Practicum