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COURSE REGISTRATION

PROCEDURES

1. Use this guide to plan your courses for the upcoming 2012-2013 school year.
2. Complete the appropriate planning sheet in the center of this guide and bring it with you when you come to register.
- 3 Registration will take place during the month of February.
- 4 The registration fee is \$75 per child and is non-refundable. If the registration fee is not paid by March 14, 2012, late registration will be \$175.
- 5 After the registration fee has been paid, students will be scheduled to register with a Guidance Counselor.

- 6 Due to limited enrollment in some classes, it is advisable to complete registration as early as possible.
- 7 No child will be considered registered and receive our monthly mailing until the registration fee is paid.

NON-REFUNDABLE FEES

Registration	\$75 (If paid by March 14, 2012)
Book Fees.....	\$145 (If paid by March 14, 2012)
Activity Fee.....	\$125

ACADEMIC PROGRAM

INTRODUCTION

This curriculum guide shows the educational program offered at Newman Central Catholic High School. Newman shares with parents and parishes in the teaching mission of the Catholic Church in the Sterling Deanery. In light of Gospel values and Catholic beliefs, Newman encourages students to pursue excellence through available curricular opportunities.

SCHEDULE PLANNING

Participation of concerned parents, students and school staff is crucial to student success in selecting appropriate courses. When parents take a pro-active role in helping their child make good curriculum choices, they share with the school’s staff the responsibility of directing students towards satisfying their needs. The more informed students become, the better they will be enabled to make decisions about their futures.

Newman’s Guidance Department and Administrators will assist students in making appropriate class schedule choices. When planning a program, please note that there are courses in the curriculum designed for specific levels of instruction and some demand certain backgrounds in order to perform at an expected level.

Parents and students should keep a record of the number of credits a student has already earned. The semester report card indicates the number of cumulative credits the student has earned. Each student is responsible for making arrangements to make up required courses failed. The students’ program should include those courses necessary to meet graduation requirements (29 credits) and post-high career plans.

TIME SCHEDULE

The educational schedule for the school is on a block system. Eight courses are offered each semester. These eight courses are broken up into an A Day and a B Day. Each day contains four of the eight courses and alternate day to day. Each class is 82 minutes in length. Each day contains a homeroom that lasts for half an hour.

GRADE WEIGHTING

All courses are on a value scale for weighting. The current weighting is as follows: Regular A+=4.25, A=4, A-=3.75, B+=3.25, B=3, B-=2.75, C+=2.25, C=2, C-=1.75, D+, D, D-=1, F=0. T.A.P.: An addition .5 is awarded through C-.

CORRESPONDENCE COURSES

Correspondence courses are taken, for the most part, by students who must make up credit. No more than two credits through correspondence work may be counted toward graduation. All correspondence courses must be approved by the Guidance Director prior to enrolling.

GRADE CLASSIFICATION

A student must have 7 credits for sophomore standing; 14 credits for junior standing; and 21 credits for senior standing. Since 29 credits is required to graduate, it is recommended that students attain 8 credits per year to fulfill graduation requirements.

COURSE CHANGES

After the official registration in February, final decisions are made as to the number of sections for classes as well as for additional or reduction of staff needs. The Administration makes decisions at this time so they can locate and hire the most qualified individuals for the staff for the coming school year. Sometimes because of student enrollment patterns, the student's original course selections may need to be altered and new course selections made.

Because scheduling information and staff needs are based on the students' original registration, we discourage students from adding or dropping courses. However, a student who wishes to drop or add class after registration must contact the Guidance Department. After obtaining permission of the Guidance Director, a course may be dropped or added. Any student wishing to drop a mathematics course during the two-week drop/add period must also obtain permission from the Principal and/or the Department Head.

ACADEMIC HONOR ROLL

The Honor Roll will be published at the end of each grading period. High Honors is 3.50 and above and Honors is 3.00 to 3.49. No student will be placed on the Honor Roll if a grade of D, F or an Incomplete has been received. An I, D or F in Physical Education can affect Honor Roll status.

SENIOR FINAL EXAM POLICY

For second semester only, and at the discretion of the instructor, any senior who has earned an “A” is eligible to be exempt from the final semester exam.

GRADUATION REQUIREMENTS

CREDITS

Newman requires twenty-nine (29) credits for graduation;

REQUIRED COURSES	CREDITS
English	4
Writing Skills	.5
Speech	.5
Foreign Language, Art or Music	2
Mathematics	3
Physical Education (inc. Health)	1
Drivers Ed. (Classroom)	.5
Religious Studies	4
Science (inc. Biology)	3
Social Studies	
World History	1
American History	1
American Government	.5
Social Study Elective	.5
Business	
Intro to Business	.5
Electives	7

All required courses must be taken at Newman Central Catholic High School. The minimum course load for each student, each semester, is seven (8) credits. Elective courses may be taken in an approved summer school program.

All students must complete a minimum of seven (7) credits per year. Failures in required courses may be repeated in an approved summer program. Failures in elective courses may necessitate the student making up the deficient credits in an approved summer program. A student lacking these requirements will be placed on academic probation and may not be able to continue his/her education at Newman Central Catholic H.S.

Students may earn only two credits toward graduation through correspondence courses.

SVCC DUAL ENROLLMENT

Sauk Valley Community College has a Dual Enrollment Program which provides academically talented students the opportunity to “jump start” their college education by enrolling in college level courses while in high school. Juniors and seniors may take advantage of this program by providing the college with a high school transcript and the completed Dual Enrollment Form, available in the Guidance Office. Additionally, the student will need to provide ACT assessment scores or make arrangement to take the Sauk placement instrument. Students must satisfy SVCC assessment guidelines and all course prerequisites. At the current time, Illinois educational grants are available to assist the students with 50% of tuition costs. Students will be responsible for lab fees and book charges. .

COLLEGE BOUND STUDENTS

Appropriate academic preparation for college-level studies is important. Students who enter with a strong college preparatory curriculum have a better chance to succeed academically and are more likely to be admitted to the programs of their choice. Most colleges and universities have set these minimum high school requirements for the admission of freshmen to public universities:

- 4 credits of English
- 3 or 4 credits of Mathematics
- 3 or 4 credits of Laboratory Sciences
- 3 credits of Social Studies
- 2 or 3 credits of the same Foreign Language, Art, or Music

TALENTED ACADEMIC PROGRAM

The Talented Academics Program (T.A.P.) is a series of academic courses that provide a weighted grading procedure for upper level classes in the areas of Science, Mathematics, Foreign Language and English. Students participating in these courses receive an enhanced grade of .5. T.A.P. classes are primarily available to Juniors and Seniors. The purpose of this program is to encourage students to enroll in demanding academic courses without putting their grade point or class rank at a serious disadvantage. The faculty determines admission to these courses.

T.A.P. CLASSES

Anatomy, Chemistry II, Physics, T.A.P. English III, IV, Geometry/Trig/Alg III, Pre-Calculus, Calculus, French III, IV and Spanish III, IV.

ADVANCED PLACEMENT CLASSES

U. S. History, AP Literature & Composition

FINE ARTS DEPARTMENT

Philosophy: The philosophy for the Fine Arts Department of Newman Central Catholic High School is to create an atmosphere in which the student can obtain an appreciation of the arts, consistent with the guidelines of the Catholic Church, as well as an understanding of how the arts influence the life of society today. Through a sequence of study, the student is given the skills, appreciation and depth of understanding needed to be a well-rounded individual in today's highly technical society.

Introduction to Art

1 Semester
½ Credit
Prerequisite: None

Grades: 9 - 12
Value Scale: Regular

Course Description

Overview of artistic media, styles and history. Experience these elements with the opportunity to grow artistically through projects which help identify personal style. This Foundation course is required for all other art offerings.

Drawing

1 Semester
½ Credit
Prerequisite: Introduction to Art or Consent of Instructor

Grades 9 - 12
Value Scale: Regular

Course Description

Use of drawing media such as charcoal and chalk, ebony and colored pencils, marker, ink/dry brush and pastel. Also gain experience in various drawing methods.

Painting

1 Semester
½ Credit
Prerequisite: Introduction to Art or Consent of Instructor

Grades 9 - 12
Value Scale: Regular

Course Description

A focus on painting with drawing as a foundation. Use of acrylics, oils, watercolors and inks: exploration of painting styles (abstract, realism. Sumi-e, etc.)

3-Dimensional Art

1 Semester
½ Credit
Prerequisite: Introduction to Art or Consent of Instructor

Grades: 9 - 12
Value Scale: Regular

Course Description

Create artwork by sculpting, molding, carving, modeling, assemblage, mobiles, etc. Work with many and varied materials.

Visual Design

1 Semester

Grades: 9 - 12

½ Credit

Value Scale: Regular

Prerequisite: Introduction to Art or Consent of Instructor

Course Description

Work with Elements of Art and Principles of Design, pulling together images, shapes, forms and colors to create effective visual presentations. Focus on graphic design, product visibility and creativity. Use of Mac Photoshop/Illustrator technology as part of the course.

World Crafts

1 Semester

Grades 9 - 12

½ Credit

Value Scale: Regular

Prerequisite: Introduction to Art or Consent of Instructor

Course Description

Exploration of artistic movements and craftwork from various countries, cultures and eras. Create works by etching, woodburning, weaving, batik, Japanese fish-painting...many more.

Choir

1 Semester

Grades: 9 - 12

½ Credit

Value Scale: Regular

Prerequisite: None

Course Description

This elective provides students with the opportunity to experience the expression and creativity of the fine arts. Besides improving their singing voice, the fundamentals of notation and some music history will be studied. They will study and perform different styles of vocal music. One public concert is held per semester as well as the opportunity to audition for the specialized performing opportunities such as Three Rivers Music Festival, District 8 Music Festival and the Spring Musical.

BUSINESS EDUCATION DEPARTMENT

Philosophy. The Business Education Department strives to equip students with the basic business skills necessary for the Business world, and to prepare students to successfully pursue college level studies in Business. Good work habits and an adherence to ethical principles of doing business are stressed in each class.

Computer Applications

1 Semester

Grades: 9 -12

½ Credit

Value Scale: Regular

Course Description

Computer students review basic computer skills and learn advanced applications of Microsoft Word (word processing). They will then learn to use the Microsoft worksheet program, Excel, in projects that relate to both personal and business applications. Next, they will learn to design presentations using

Microsoft PowerPoint, and they will explore using the internet as a tool and will begin investigating programming. All of these programs will be vital as the students proceed through high school and college and into their vocations.

Introduction to Business

1 Semester

Grades 10, 11 & 12

½ Credit

Value Scale: Regular

Prerequisite: None, course required for graduation

Course Description

The economic principles of managing resources, along with the methodology of different economic systems is presented. The Free Enterprise system is covered in some detail. This includes an emphasis of private ownership, capitalization, competition and the profit motive.

The role of government in a Market Economy is covered. An understanding of the laws of supply and demand is required. The consumer topics of insurance buying and credit, along with the principles of sound personal investing are covered.

Accounting I

2 Semesters

Grades: 10, 11 and 12

½ per semester

Value Scale: Regular

Prerequisite: None

Course Description

All students planning on a Business major in college should enroll in Accounting I. Accounting required of all Business majors in colleges and the experience gained in Accounting can prove invaluable to the Business Major. Accounting I covers the complete Accounting cycle, including journalizing, posting and end of cycle adjustments, and financial statements. Accounts Receivable, and Accounts Payable, Petty Cash management, payroll and depreciation of assets are also covered. Practical problems and business simulations are routinely used as a means of learning.

ENGLISH DEPARTMENT

Philosophy. Mastery of rhetorical skills is essential to success at the post secondary level of education and success in an English speaking environment. Reading is the pathway to continued learning beyond formal education and enjoyment at a personal level. The goal of the English department is to develop critical readers, articulate writers, and interesting, effective speakers.

English I

2 Semesters

Grade: 9

1 Credit

Value Scale: Regular

Prerequisite: None

Course Description

The major emphasis of Freshman English is the study of language and writing skills, including sentence structure, grammar and spelling. Expanding the student's vocabulary will be accomplished by definitions, pronunciation, synonyms, antonyms and sentence use. The reading of literature, both short

stories and novels, along with the study of plot, structure, style and genre will improve the comprehension and appreciation of the student. Criticism of short stories and novels read inside and outside of class will strengthen analytical thinking and introduce analytical writing. Book reports will be required periodically. Four to six papers will be written per semester. Analogies, discovering comparison/contrast and relationships between words will also be introduced. A unit on Internet Safety and basic Information Literacy Skills will be integrated into the fall semester.

English II

2 Semesters

Grade: 10

1 Credit

Value Scale: Regular

Prerequisite: English I

Course Description

Various NOVELS are taught with an emphasis on theme development. Some outside research related to novels is required. Short stories, poems and the play *Julius Caesar* are also included in the literature segment. Symbolism in literature is introduced. Students are required to write 2-3 major papers each semester. Descriptive writing and literary analysis are part of the curriculum. The vocabulary series is continued and application is stressed through required usage. The PLAN Test is taken in the first semester prior to the PSAT. **Strong writing skills** and a grade of B+ or higher at this level, **along with teacher consent**, are necessary for Junior T.A.P. English.

English III

2 Semester

Grade: 11

1 Credit

Value Scale: Regular

Prerequisite: English I and II

Course Description

American Literature is the focus of this course. Elements of fiction and poetry are reviewed as students learn about the great stories and authors of American Literature. Writing about literature is stressed as well, and students learn to produce an effective, intelligent coherent essay about literature. Longer works of literature, and a novel, are studied second semester, while first semester is used for short stories, poems and essays. Vocabulary series continues, and is tested bi-weekly. A research paper is a large part of the second semester work, so the student learns how to handle a large research assignment correctly. ACT and SAT practice tests with English content are given. A unit on Internet Safety and advanced Information Literacy Skills will be integrated into the fall semester in preparation for the research project.

TAP English

Available in Junior and Senior English

Course Description

TAP English is a class designed to challenge the student who has strong language skills. Students must show an interest in reading, a propensity for vocabulary development, an ability to discern the less-than-obvious meaning found in literature, **and an above-average ability in written expression**. While regular Junior and Senior English prepares students for college, TAP English is designed to prepare those students who may choose English or a related field, as their course of study.

English III T.A.P.

2 Semesters

Grades: 11

1 Credit

Value Scale: .5 additional honor point

Prerequisite: B+ in English II and consent of instructor.

Course Description

Students are prepared for intensive college study of literature. American history of literature is studied, from Puritan to modern. Essays are frequently required, along with class discussion, to display student's thoughts and perceptions, as well as structure and style of writing. A research paper is required second semester. Vocabulary series is continued with emphasis on usage. ACT and SAT practice tests with English content are given. Summer and Christmas reading is required for the student in TAP; the texts required will be announced the previous spring to all sophomores taking TAP the following year. A unit on Internet Safety and advanced Information Literacy Skills will be integrated into the fall semester in preparation for the research project.

English IV

2 Semesters

Grades: 12

1 Credit

Value Scale: Regular

Prerequisite: English III

Course Description

British literature is the primary focus, although other authors may be included. Writings from the Anglo-Saxons to the 20th century are included in the literature segment. Accelerated Reader Program is required. Two to three novels are taught at this level and each requires a related paper. Related outside research relative to the novels is optional. The writing focus is argument and a research paper following an argumentative format is required. Vocabulary series is continued and application is encouraged through required usage. A unit on Internet Safety and advanced Information Literacy Skills will be integrated into the fall semester in preparation for the research project.

AP Literature and Composition

2 Semesters

Grade: 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: B+ or higher in Junior TAP English

Course Description

This is a college level course designed to develop critical reading skills and to enhance writing style for a forty-minute essay. The literature will include writings (novels, plays, poetry) of different centuries, of different ethnic backgrounds, and of both women and men. Students will write forty-minute essays on three types of questions (1) a question drawn from a particular excerpt of a novel or play, (2) a question drawn from a poem, and (3) an open-ended question that can be drawn from a novel or play.

Shakespeare

1 Semester

Grades: 11 – 12

.5 Credit

Value Scale: Regular

Prerequisite: Completed English I and English II

Course Description

This course is an extensive survey of Shakespeare's poetry and major plays, including tragedies, comedies and histories. Shakespeare's life and era will also be discussed, as well as his lasting impact on current culture. Reading the plays and taking tests on the content will be a major part of the grade. Other multi-media projects related to the plays the playwright will be assigned.

Literature and Film

1 Semester

Grades: 11 - 12

½ Credit

Value Scale: Regular

Prerequisite: None

Course Description

This class takes the student through film techniques and teaches what elements of film should be looked for and studied to ascertain a film's greatness. Techniques discussed include editing, color black and white, framing the shot, camera angles, lighting, cinematography and soundtrack. Students are required to write essays on film techniques used in movies watched in class, and must also do 4 - 5 film reviews of classic films from the AFI 100 Best Films of the 20th Century list, delineating one scene from each film and the film techniques used. Also studied are films made from a literature source, and how plot, characterization, and theme may change from literature to film. Final project is required. Throughout the semester students are tested on material covered, involved in various projects, and are assigned to view films on the students' own time.

Speech

1 Semester

Grades: 10, 11, 12

½ Credit

Value Scale: Regular

Prerequisite: None Class required

Course Description

Oral communication is an essential tool for success in our society. This course provides the student with knowledge of the basic elements of speech giving, and takes the student through preparation and delivery of speeches. The speeches themselves vary in subject and time length. By the end of the semester, the student has mastered the elements of speech giving which would include eye contact, voice inflection, body use and structure. Each student delivers up to 12 speeches a semester of varying time and subject.

Writing Skills

1 Semester

Grades: 10th preferred

½ Credit

Value Scale: Regular

Prerequisite: None

Course Description

In this "Writing Skills" course, students will review how to write effective, well-constructed sentences by using better word and sentence variety, avoiding fragments and run-ons, and improving choppy and awkward sentences. In addition, students will write paragraphs, using effective topic sentences and various methods of development and organization. Using proper sentence and paragraph construction and various prewriting strategies, drafting techniques and revision guidelines, students will write a business letter about eight essays in these four general categories: narration, description, exposition and

argumentation. Also, as part of this course, students will review basic spelling, punctuation, capitalization and, and usage rules and use these rules in writing. Finally, students will be required to research a topic and write a term paper. This includes note taking, outlining, and drafting a 5-8 page paper. The final version will include a title page, body of the paper and a works cited page. Students will use the MLA format for this project.

Journalism

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: Regular

Prerequisite: Successful completion of freshman year English course with grade of C or better.

Course Description

This course introduces students to a number of elements found in print media. Reporting Elements: students are exposed to news, features editorial and sports writing; journalistic style; interviewing skills; lead and body writing; as well as quote usage. Photojournalism: students are introduced to the camera as a tool to record people in their every day life. Basic photography skills are presented, in addition to digital media, scanning and cropping. Marketing: elements of marketing and promotion are studied; marketing case studies are analyzed; and students develop and implement a marketing campaign to sell the annual publication. Computer-aided layout and graphic design are also key elements of this course. Students utilize this knowledge to create the Newman yearbook publication and assist with other school media projects.

Journalism II

2 Semesters

Grades: 12

1 Credit

Value Scale: Regular

Prerequisite: B in Journalism or better (or by teacher recommendation)

Course Description

Students will further develop skills and techniques described in Journalism I.

WORLD LANGUAGE DEPARTMENT

Philosophy. Because the world has become smaller, travel to other countries easier and careers that include the knowledge of another language more available, both Spanish and French are offered for study at Newman Central Catholic High School. Students are encouraged to become proficient in the four language skills (reading, writing, speaking, listening), and to become knowledgeable about the culture, geography, politics and economy of other countries. In doing so, they will become better citizens of their own country and of the world as well.

Spanish I

2 Semesters

Grades: 9 - 12

1 Credit

Value Scale: Regular

Prerequisite: C or above in English

Course Description

In Spanish I students will learn to introduce themselves to describe their school schedule, their families, what they like to do and the foods they like to eat. First year students will also learn about the Aztec civilization, basic geography of the countries where Spanish is spoken, and how holidays are celebrated. Students will acquire basic proficiency in listening, speaking, reading and writing, and learn more about the geography and culture of the Spanish-speaking world.

NOTE: Spanish I is a beginning course designed for students who have no previous knowledge of Spanish, either written or spoken. Students who already understand Spanish or who use it at home must see the instructor for a placement test and will be placed accordingly in an appropriate class level. Those students who already have a working knowledge of Spanish should consider enriching their language opportunities and future job possibilities by taking French.

Spanish II

2 Semesters

Grades: 10 - 12

1 Credit

Value Scale: Regular

Prerequisite: C- in Spanish I and recommendation of instructor

Course Description

Students will add to their vocabulary of words and phrases. They will learn to become more proficient in the skills of listening, speaking, reading and writing as they learn to use the two past tenses. They will also study the development of Spanish culture throughout the world.

Spanish III T.A.P.

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: B in Spanish II or teacher recommendation

Course Description

Spanish III will begin the transition from vocabulary and grammar memorization to usage in realistic scenarios. While grammatical concepts will be presented along with vocabulary, class time will focus on retention and effective use of the language in daily situations. Culture will be presented through lectures and reading of various pieces of literature.

Spanish IV T.A.P.

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: .5 additional honor point.

Prerequisite: B in Spanish III or teacher recommendation

Course Description

Students will review/refine all previously learned grammar concepts moving towards mastery. Students will continue to build listening, speaking, reading and writing skills in realistic situations. This course will aim to prepare for most upper level college language courses. Long-term reading and writing assignments will help build comprehension an usage of the target language..

French I

2 Semesters

Grades 9 -12

1 Credit

Value Scale: Regular

Prerequisite: C or above in English

Course Description

French I will offer a fast-paced introduction to the language and culture of the French-speaking world. Students will learn conversational French phrases and basic vocabulary words on a wide range of familiar topics, and will begin the study of French grammar. Memorization and class participation are essential elements of the course. The study of French grammar, conversation and culture will include all four areas of study: listening, speaking, reading and writing.

French II

2 Semesters

Grades 10-12

1 Credit

Value Scale: Regular

Prerequisite: C or above in French I

Course Description

French 2 continues the study of French language and culture. Topics of study will include food and shopping, daily routines, health, vacations and popular culture. Grammar will include learning to use the past tenses, reflexive verbs, object pronouns and commands. Areas of cultural interest include more detailed study of Paris, Montreal and vacation spots. Students will become more proficient in all areas of French, including listening, speaking, reading and writing. Out text will be Bien Dit, Level 2.

French III T.A.P.

2 Semesters

Grades 11-12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: B or above in French II

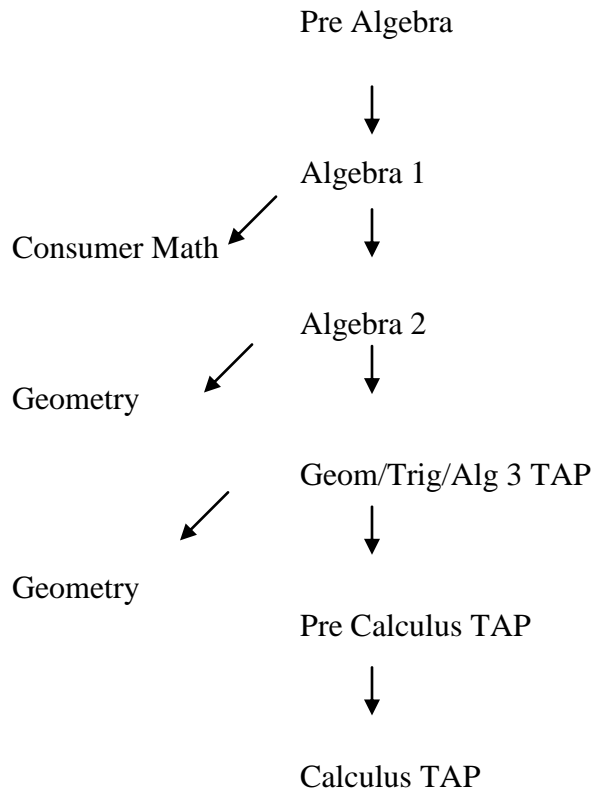
Course Description

Third year French builds on the basics of grammar and vocabulary and moves into more reading, translation and using the language in every-day situations. Work in grammar continues with future, conditional and subjunctive verb tenses and students continue to gain proficiency in listening, speaking, reading and writing.

MATHEMATICS DEPARTMENT

Philosophy. Mathematics is fundamental to any student's educational development. At Newman, traditional areas of Algebra, Geometry and Trigonometry are emphasized by lecture and extensive problem-solving techniques with constant drill and practice. Basic skill acquisition is a primary focus of our instruction.

MATH COURSE SEQUENCE



Pre-Algebra

2 Semesters

Grades: 9

1 Credit

Value Scale: Regular

Prerequisite: Placement is based on 8th grade math scores and score on Newman's placement test

Course Description

This course is designed to provide practice in the fundamentals of arithmetic to increase and solidify the students' practice with basic abstractions of beginning algebra. This course is considered as an elective by colleges and is not given the status of counting as a required Math course for entrance although it will meet Newman's requirement as one of three Mathematics courses.

Consumer Math

2 Semesters

Grades: 10 - 11

1 Credit

Value Scale: Regular

Prerequisite: Department recommendation

Course Description

This course will help students master fundamental arithmetic calculations and to apply them to business and consumer situations and problems. Specific topics include regular and overtime pay, net pay and commissions, borrowing and investing money, property taxes, insurance, business income and business statistics. This course is considered by colleges to be an elective and does not fulfill the Math requirement although it will meet Newman's requirement as one of the three courses. A calculator is required.

Algebra I

2 Semesters

Grades: 9 - 12

1 Credit

Value Scale: Regular

Prerequisite: A passing grade in Pre-Algebra

Course Description

This course is offered to students who have demonstrated an above-average mastery of basic math skills and are ready for the abstractions of Algebra. As well as teaching basic Algebra concepts, this course provides the student with a review of the four operations with fractions, mixed numerals, decimals and a review of percents.

Algebra II

2 Semesters

Grades 9 - 12

1 Credit

Value Scale: Regular

Prerequisite: A passing grade in Algebra I

Course Description

This course is designed to complete the automation of the fundamental skills of Algebra. Algebra problems from Chemistry are heavily emphasized. Some Geometry and basic Trigonometry are included in this course. Topics include uniform motion distance problems, chemical mixture problems, systems of equations with two and three unknowns, area, volume, unit conversions, polar and rectangular coordinate conversions, adding vectors, complex numbers, completing the square, and the quadratic formula. A scientific calculator is required.

Geometry

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: Regular

Prerequisite: Algebra II or permission of department head

Course Description

This is a traditional course in Geometry which is intended for students who choose not to continue in the T.A.P. track Mathematics courses. It is not as rigorous as a course intended for Mathematics majors. Application of Geometry to everyday life situations is emphasized and the use of proofs is de-emphasized. A scientific calculator is required.

--A junior taking Geometry will not get department approval to take Geometry/Trigonometry/Algebra III during his/her senior year.

Geometry/Trigonometry/Algebra III

2 Semesters

Grades: 10 - 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: Minimum B- in second semester of Algebra II or department approval

Course Description

This course is the culmination in the process of acquiring the fundamental skills of Algebra, Geometry and Trigonometry. Topics include logarithmic equations, trigonometric identities and functions, arithmetic and geometric series, conic sections, geometric proofs, summations, similar triangles,

determinants, Cramer's rule, echelon solutions, binomial expansions, constructions, and law of sines and cosines. A scientific calculator is required.

Pre Calculus

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: Minimum B- in second semester Geometry/Trigonometry/Algebra III, or department approval

Course Description

This course is designed to deepen understanding of concepts previously presented and to master methods of solving higher-level mathematics problems. This course will offer the student a foundation for Calculus. Topics include more formal proofs, logarithmic equations and inequalities, sequences and means, development of trigonometric identities, solving hyperbolas, circles, trapezoids, graphs of inverse trigonometric functions, equations, absolute value functions, and rational root theorem. A scientific calculator is required.

Calculus

2 Semesters

Grades: 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: Minimum B- in second semester Pre Calculus or department approval

Course Description

This course is designed for the college bound student whose interest requires higher-level mathematics. It will introduce basic Calculus topics such as limits, derivatives and integrals. Topics include review of Pre Calculus, continuity, first and second derivatives and integration. A scientific calculator is required.

PHYSICAL EDUCATION DEPARTMENT

Philosophy. The philosophy of the Newman Health and Physical Education Department is to develop three core areas. These areas consist of the mind, body and spirit. Through the challenges of mental and physical tasks, students will learn to use these three core areas. Developing a strong mind will enable the students to look at a situation or problem and develop a plan based on knowledge. Life activity skills are an essential part of the physical education process at Newman. Through these skills, students will not only benefit physically, but mentally and socially as they learn to use all three core areas as a means to be successful at the task at hand. Spiritual development is the key to having a healthy mind and body. By developing the core areas students will be better able to meet the challenges of life and make the best choice in finding the solution.

Physical Education

1 Semester

Grades: 9

½ Credit

Value Scale: Regular

Prerequisite: None, but course must be taken by all freshmen

Course Description

Driver Education is a course designed to prepare teenagers for the task of safely operating a motor vehicle. The class is divided into two areas. The first is classroom instruction in which students learn the rules of road and proper driving techniques. The second area involves six hours of behind the wheel experience. The student will practice the techniques and safe operation of a car. Parents are required to get 25 hours of driving in with their child before they can get their license. Grades are based on homework, projects, quizzes and driving skills.

RELIGIOUS STUDIES-THEOLOGY DEPARTMENT

Philosophy. The goal of the Theology Department is to integrate the principles of Catholicism with the common experience of our students. This can be done by taking the principles from *The Catechism of the Catholic Church*, the Catholic dogma and doctrine, with the foundation of Scripture to apply to their lives and make these principles come alive in their faith. The students start with a general survey to get everyone to the same place, then introduce the contribution of Scripture, followed by history and moral challenges of the day, finally to the justice issues of the world and the lifestyle questions to be lived out. Our hope is to offer opportunities of service and wisdom of local professionals to assist in this endeavor.

Theology I - Introduction to Catholicism and Morality

2 Semesters

Grades: 9

1 Credit

Value Scale: Regular

Prerequisite: None - all freshmen required to take

Course Description

This course gives the student an overview of primary teachings, beliefs and practices of the Roman Catholic Church. Topics include: Sacraments, Prayer, Faith Revelation, Jesus and Scripture. The second portion introduces principles and applications of Catholic moral teaching. Students will study morality through the framework of The Ten Commandments and Beatitudes.

Theology II - Introduction to Sacred Scripture

2 Semesters

Grades: 10

1 Credit

Value Scale: Regular

Prerequisite: Religion I

Course Description

The first semester focuses on Creation stories, Abraham and his descendants, Moses, Psalms and other sections of the Old Testament. The second semester focuses on the life of Jesus in the New Testament, especially in the Gospels and Pauline Letters, then applying this to the celebration of Sacraments. The entire year integrates the scripture with church attendance and reflection on the readings at Mass.

Theology III - Church History and Applied Catholic Morality

2 Semesters

Grades: 11

1 Credit

Value Scale: Regular

Prerequisite: Religion II

Course Description

The first semester of the course focuses on the formation of the Catholic Church through the many Councils, with special emphasis on the Second Vatican Council. This is done to show how we have gotten to the place where the Church is today and with a better idea of Tradition. The second semester explores the many ethical and moral dilemmas present in our lives today in light of all the background gained the previous courseware applied to such topics as: abortion, contraception, genetic engineering, war, capital punishment, social issues. It is expected that each student look at one issue in depth.

Theology IV - Social Justice and Christian Lifestyles

2 Semesters

Grades: 12

1 Credit

Value Scale: Regular

Prerequisite: Religion III

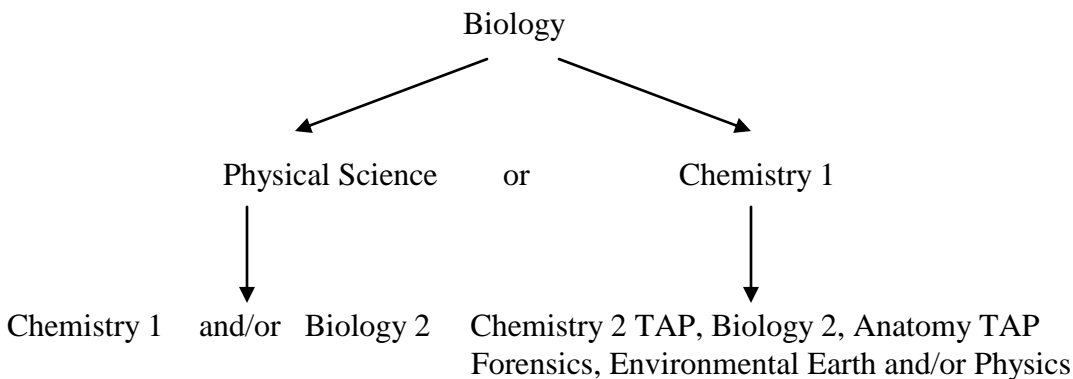
Course Description

The first semester of the course focuses on basic principles of Catholic Social Justice including topics of prejudice, war, discrimination, health care and economy. Students embrace these principles and apply them to their Christian Lifestyle in the second semester as they pursue their calling from Baptism as a single, married or religious person.

SCIENCE DEPARTMENT

Philosophy. The course offerings of the Science Department are intended to fulfill two basic needs in the educational development of its students. One of these is to prepare the student for college, whether the student is majoring in science or a science based career field, or simply needs a science background to meet the requirements of his or her chosen field of study. The second is to help the student understand the role of science in his or her everyday life. In meeting both of these needs the courses offered are both laboratory-centered and theory based. Students are exposed to courses in each of the fundamental sciences of Biology, Chemistry and Physics and are given as much hands on experience as possible.

SCIENCE COURSE SEQUENCE



Physical Science

2 Semesters

Grades: 10

1 Credit

Value Scale: Regular

Prerequisite: Must be taken after Biology I and by recommendation of the Biology Teacher

Course Description

Physical Science is an introductory course divided into two semesters. In the first semester students gain insight into chemistry and how it relates to everyday life. Students learn about the elements of the periodic table, understand basic chemical reactions and equations, and are introduced to acids and bases. Each of these basic chemical ideas is reinforced through laboratory activities. The second semester of the course is geared towards general physics. The fundamental physics concepts studied are: the laws of motion, forces, sound, light, and electricity and magnetism. The understanding of these concepts is also reinforced through basic laboratory activities.

Environmental Science

2 Semesters

Grade 11-12

1 Credit

Grade 10 with the recommendation

Prerequisite: Biology I and either Chemistry I or Physical Science

Course Description

The physical, geological, hydrological, atmospheric and biological aspects of the Earth's systems and how human civilization has impacted those systems are studied. Students will examine possible solutions to environmental crises facing the international community. Sustainable agriculture, recycling, waste disposal, global warming and land reclamation are a few of the topics examined.

Biology I

2 Semesters

Grades: 9 - 10

1 Credit

Value Scale: Regular

Prerequisite: Recommendation of the 8th grade teacher and counselor

Course Description

Biology I introduces the students to the basic principles and concepts needed to understand the hierarchy of organisms. The first semester consists of biological concepts and theories covering: cell structure and function, genetics and evolutionary ideas. During the second semester students study multiple organisms that range from microscopic to various invertebrates and vertebrates.

Biology II

2 Semesters

Grades: 10 - 12

1 Credit

Value Scale: Regular

Prerequisite: Successful completion of Biology I and Chemistry I or Physical Science

Course Description

Biology II is a general overview of the human and botanical aspects of Biology. The first half of the course consists of biochemical means for cell function and plant photosynthesis followed by a study of the ecological aspects of plants and animals. The second half of the course details plant structure and

function as well as human Biology by studying the organ systems. The dissection of animal organs will help reinforce knowledge during Anatomy unit.

Chemistry I

2 Semesters

Grades: 10 - 11

1 Credit

Value Scale: Regular

Prerequisite: Students must have passed Biology * and be recommendation by the Biology teacher

Course Description

Chemistry I is a traditional high school chemistry course which introduces students to the fundamental concepts of chemistry and prepares them to be successful in a college chemistry course. The concepts of chemistry are studied in classroom lecture and discussion, and laboratory activities. These concepts include: matter and energy, physical and chemical properties, physical and chemical changes, atomic structure, the periodic chart, ionic and covalent compounds, chemical equations, stoichiometry, solutions, and acids and bases.

Chemistry II

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: Grade of "B" or better in Chemistry I or permission of teacher

Course Description

Chemistry II is an advanced level chemistry course in which a higher level of understanding of concepts than in Chemistry I is required as indicated by the fact that a college level textbook is used in the course. The solving of mathematical problems involving fundamental concepts of chemistry is an integral part of the course. An emphasis is placed on the student's understanding of concepts rather than the learning of procedures to work problems. The topics covered in the course include the reviewing of: matter and energy, physical and chemical properties, physical and chemical changes, metric system (SSI) units, solving of problems by the factor-label method, atomic structure, chemical equations, stoichiometry, and acids and bases. New concepts studied include: solids, liquids, and gases, thermochemistry, rates of reactions, chemical equilibrium, spontaneity of reactions, and electrochemistry.

Anatomy and Physiology

2 Semesters

Grades: 11 - 12

1 Credit

Value Scale: TAP/Dual Credit

Prerequisite: Student must be concurrent or have completed enrollment of Chemistry I with a grade of C or better and by recommendation of the teacher. Students who fail the first semester of the course may not continue in the second semester of the course.

Course Description

Anatomy offers an in-depth overview of the human body from sub-cellular to complex organ systems. Students learn about the organ systems in animals by the dissection of a fetal pig or other organs. The observations made during the dissection process help to reinforce the information learned from the textbook and classroom discussions. Case studies will supplement the covered information.

Physics

2 Semesters

Grades: 12

1 Credit

Value Scale: .5 additional honor point

Prerequisite: Concurrent enrollment in Pre-Calculus or Calculus

Course Description

This is a course in high school physics with an emphasis on mechanics. The course is designed to help students make the transition to general or calculus based courses at the college level. The solving of problems based on the fundamental principles of physics by Algebraic and Trigonometric methods is an integral part of the course. The fundamental principles of physics covered in the course include: the units of the SI system, force vectors, Newton's Law, linear and curvilinear motion, work and energy, impulse and momentum, basic electrical circuits and instrumentation, optics, heat and electrical and magnetic fields.

Forensic Science

2 Semesters

Grades: 11 -12

1 Credit

Value Scale: Regular (Elective course)

Prerequisite: Previously taken Biology II and Chemistry I with a C or better from each class.

Course Description

Forensic Science will allow the student to explore different investigations using different techniques and equipment to determine the answers to unsolved crimes/dilemmas. Information will be supported with videos that tell of how professional investigators would solve their problems. Topics covered include: handwriting analysis, DNA analysis, fingerprint ID, hair and fiber comparison, blood splatter, arson cases, accident reconstruction and various deductive reasoning problems. This course is an elective only and will not take the place of another required lab science for graduation requirements. Students may take this course only once.

SOCIAL SCIENCE DEPARTMENT

Philosophy. The goal of the Social Science Department is to develop a program that will create an atmosphere that invites students to want to be informed about the United States and the world around them. To achieve this, they must be willing to understand the history of the United States, as well as the history of the world. They should incorporate that with the history and understanding of the Constitution and government of the United States. We also hope to demonstrate an overall awareness of the geographical, political, sociological and psychological effects in each of these areas. To achieve these goals we must approach with both the discipline and flexibility allowing for creativity and critical thinking. By doing these things as a department working together, our students will experience success.

American Government

1 Semester

Grades: 11 - 12

½ Credit

Value Scale: Regular

Prerequisite: none (Required Course)

Course Description

This required course explains the role of American Government from its inception to the present. It describes different forms of government and the power levels within. The early influences that lead up

to the Constitution are explained. The basic principles of government and how they apply to the three main branches of government are an integral part of this course. Students must pass a test on the Constitution to receive credit for the class.

Geography

1 Semester

½ Credit

Prerequisite: None

Grades 9 - 12

Value Scale: Regular

Course Description

This is a one-semester course beginning in Western Europe and ending with the United States and Canada. Due to the length or lack thereof, the middle portion of the class will focus on countries involved in current events. We will look at people who shape the land, the economy, types of governments as well as land forms and climates. The natural resources, products, imports and exports will also be discussed.

Sociology I

1 Semester

½ Credit

Prerequisite: None

Grades: 9-10

Value Scale: Regular

Offered in the Fall semester only

Course Description

Sociology is the science that studies human society and social behavior. We will study the diversity and variation of society along with our American value system. In addition, we will examine social interaction and personality development. We will also study adolescence in our society, as well as the adult in society.

Sociology II

1 Semester

½ Credit

Prerequisite: Sociology I

Grades 11-12

Value Scale: Regular

Offered in the Spring semester only

Course Description

This course will be an extension of Sociology I. The textbook will be the same but the depth of discussion will be towards current social issues and events happening worldwide. In today's society, our diversity is more prevalent and our world is becoming closer. We will also look at social inequality, social institutions and the changing social world.

A.P. History

2 Semesters

1 Credit

Prerequisite: Teacher Approval

Grade: 11

Value Scale: .5 additional honor point

Course Description

A.P. History is an advanced course for students who are looking to get college credit in a high school environment. The work is challenging and rewarding for the students. They will learn quality study

habits and life long lessons in working with a college agenda. The A.P. Program is an excellent opportunity to experience a college course in a high school atmosphere.

Psychology I

1 Semester

½ Credit

Prerequisite: None

Grades: 9-10

Value Scale: Regular

Offered in the Fall semester only

Course Description

Psychology provides students with both a historical and contemporary perspective on Psychology. Major contributors to the field and their contribution are covered. The six major approaches to Psychology are covered in detail. Some of the most common methods used by Psychologists to gather information and conduct research are included in this course. Physical factors of the human anatomy that relate directly to emotion, and human emotion are studied.

Psychology II

1 Semester

½ Credit

Prerequisite: Psychology I

Grades 11-12

Value Scale: Regular

Offered in the Spring semester only

Course Description

This course will expand on the reading and studies done in Psychology I. The textbook will be the same but the studies and exercises will be advanced and more detailed than Psychology I. We will look at the human development, personality adjustment and conflict, sociocultural influences and self.

World History

2 Semesters

1 Credit

Prerequisite: None

Grades: 9

Value Scale: Regular

Course Description

This course details world history by focusing on the key features that impact world society. The coursework incorporates historical events with geography, politics, society, economics, technology, global interaction and cultural diversity. Expectations of the course focus on a student's ability to relate World History to the economic, political and social issues in current society.

American History

2 Semesters

1 Credit

Prerequisite: None

Grades: 11

Value Scale: Regular

Course Description

This course details American History beginning with the 15th Century and concluding with the 20th Century. The course details diverse economic, political and social issues centered around the student's ability to relate to American historical issues to the economic, political and social issues existent in current society.

Teacher Assistants (TA)

1 or 2 Semesters

Grades: 12

½ Credit

Value Scale: Pass/Fail

Prerequisite: Successful completion of the course in which a student is serving as a T.A. and approval by the Academic Committee.

Course Description

Teacher Assistants aid teachers in their respective courses. This independent studies course is intended give students a first hand experience and insight into the education process. A student can only become a teacher assistant with the approval of the teacher and the Academic Committee. This affords students an introduction into secondary education. Students will assist the teacher in various duties including filing, mailing, preparing classroom materials, tutoring, grading homework and other responsibilities as deemed helpful by the teacher. Students must submit name to the Guidance Office for consideration and then the student will be appointed to a class.

In the eventuality of the closing of Newman Central Catholic High School, permanent records (transcripts) may be obtained from the Chancery Office at the Diocese of Rockford.

WHITESIDE AREA CAREER CENTER

2 Semesters, daily

Grades: 11-12

2 Credits

Value Scale: Regular

Prerequisite: WACC Application Form

Students must be in attendance in accordance with the WACC schedule.

Course Offerings:

- Allied Health
- Auto Service I & II
- Building & Construction Trades
- Early Childhood Education
- Commercial Food Service
- Computer Technology
- Criminal Justice
- Digital Media Arts
- Health Occupations
- Pre-Engineering & Design Technology
- Welding & Fabrication
- Fire Science

SENIOR REGISTRATION

NAME _____

REQUIRED CLASSES:

1. AP LIT & COMP- NEED APPROVAL _____
2. RELIGION 4

ELECTIVES: MUST GET APPROVAL FOR MATH, SCIENCE AND FOREIGN LANG.

3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Elective Choices

Full year

Spanish I, II, III, IV

French I, II, III, IV

Accounting

Consumer Math

Alg. I, II, III

Geometry

Pre Calc

Calculus

Biology II

Anatomy

Chemistry I, II

Physics

Forensic Science

Environmental Earth Science

Physical Science

Journalism

Choir (or semester)

Whiteside Area Career Center (requires an additional registration form)

Semester

Literature & Film

Shakespeare

American Government

Psychology I, II

Sociology I, II

Geography

Intro to Business

Computer Applications

Teacher Assistant (or full year)

SVCC Dual Credit (requires additional form & fees)

Intro to Art

Painting

Drawing

Visual Design

World Crafts

3 Dimensional Art

Strength & Fitness

Athletic Training

Parent/Guardian Signature

JUNIOR REGISTRATION

NAME _____

REQUIRED CLASSES:

1. ENGLISH 3 - IF TAP NEED APPROVAL _____
2. RELIGION 3
3. AMERICAN HISTORY OR AP US HISTORY APPROVAL _____
4. MATH _____ APPROVAL _____
5. SCIENCE _____ APPROVAL _____

ELECTIVES: MUST GET APPROVAL FOR FOREIGN LANGUAGE.

6. _____
7. _____
8. _____

Elective Choices

Full year

Spanish I, II, III
French I, II, III
Accounting
Consumer Math
Alg. I, II, III
Geometry
Pre Calc
Journalism
Biology II
Anatomy
Chemistry I, II
Forensic Science
Environmental Earth Science
Physical Science
Physics
Choir (or semester)
Whiteside Area Career Center (requires an additional registration form)

Semester

Literature & Film
Shakespeare
American Government
Psychology I, II
Sociology I, II
Geography
Intro to Business
Computer Applications
SVCC Dual Credit (requires additional form & fees)

Intro to Art
Drawing
Painting
Visual Design
World Crafts
3 Dimensional Art
Strength & Fitness
Athletic Training

Parent/Guardian Signatures

SOPHOMORE REGISTRATION

NAME _____

REQUIRED CLASSES:

1. ENGLISH 2
2. RELIGION 2
3. SCIENCE _____ APPROVAL _____
(Biology 1, Chemistry 1 or Physical Science)
4. MATH _____ APPROVAL _____
(Pre Alg, Alg. 1, Alg. 2, Alg. 3)
5. WRITING SKILLS/SPEECH

ELECTIVES: MUST GET APPROVAL FOR MATH, SCIENCE AND FOREIGN LANG.

6. _____
7. _____
8. _____

Elective Choices

Full year

Spanish I, II
French I, II
Journalism
Choir (or semester)

Semester

Drivers Ed
Intro to Business
Geography
Psychology I
Sociology I
Computer Applications

Intro to Art
Drawing
Painting
Visual Design
World Crafts
3 Dimensional Art

Parent/Guardian Signature

FRESHMEN REGISTRATION

NAME _____

REQUIRED CLASSES:

1. ENGLISH 1
2. RELIGION 1
3. BIOLOGY I
4. MATH _____ (Pre Alg, Alg. 1, Alg. 2)
5. PE/HEALTH
6. WORLD HISTORY

ELECTIVES

7. _____
8. _____

Elective Choices

Full year

Spanish I

French I

Choir (or semester)

Semester

Intro to Art

Drawing

Painting

Visual Design

World Crafts

3 Dimensional Art

Computer Applications

Geography

Psychology I

Sociology I

Parent/Guardian Signature