

CHARLOTTE CATHOLIC HIGH SCHOOL

CURRICULUM GUIDE

PURPOSE

This guide provides a brief description of and prerequisites for each course. The purpose of this guide is to assist the student, parent, guidance counselor, and teacher in knowing what is available. All courses listed will be taught unless there is insufficient enrollment.

TOTAL CORE CREDITS REQUIRED FOR GRADUATION

<u>SUBJECT</u>	<u>UNITS</u>	<u>SUBJECT</u>	<u>UNITS</u>
Religious Studies (A)	4	Social Studies	3
English (A)	4	Health/Physical Education	1
Math (B, C)	3	Arts/Computer (E)	1
Science (D)	3		
Total Core Credits Required For Graduation		19	
Additional Course Credits Required For Graduation		<u>5</u>	
Total Credits Required For Graduation		24	

A student must have successfully completed all required courses and have accumulated 24 credits in order to graduate. One-half credit is given for semester courses successfully completed and one credit is given for full year courses successfully completed. Students are required to take 7 classes per day. Courses meet everyday.

- (A) - Required course for each year a student attends CCHS.
- (B) - NC Public College and University Admissions recommend a math course in 12th grade.
- (C) - NC Public College and University Admissions require 4 math credits including one unit that has Algebra II as a prerequisite.
- (D) - A physical science (Chemistry and/or Physics); Biology; and a 3rd year of a science are required.
- (E) - Only a 9th grade requirement. This requirement may be satisfied with a full year band credit or by completing 2 of the following semester courses: Art, Computer Applications I, Chorus, Dance, Drama or Music Appreciation.

Although a second language is not required for graduation, many colleges require it for admission. North Carolina Public Universities require two credits in the same second language for admission. We strongly recommend that each student take at least 2 years of the same second language.

GRADING SCALE

The following numerical equivalent scale is used for all courses:

A+	=	100
A	=	94-99
A-	=	93
B+	=	92
B	=	86 - 91
B-	=	85
C+	=	84
C	=	78 - 83
C-	=	77
D+	=	76
D	=	71 - 75
D-	=	70
F	=	69 and below

QUALITY POINT SYSTEM

A student's class rank and grade point average are determined by the use of quality points. According to the nature, level, and difficulty of a course, the quality points are indicated in the description area for each course. Scale 1 is for honors and AP courses. Scale 2 is for all other courses.

SCALE 1

A+	=	5.0
A	=	5.0
A-	=	4.7
B+	=	4.3
B	=	4.0
B-	=	3.7
C+	=	3.3
C	=	3.0
C-	=	2.7
D+	=	2.3
D	=	2.0
D-	=	1.7
F	=	0.0

SCALE 2

A+	=	4.0
A	=	4.0
A-	=	3.7
B+	=	3.3
B	=	3.0
B-	=	2.7
C+	=	2.3
C	=	2.0
C-	=	1.7
D+	=	1.3
D	=	1.0
D-	=	0.7
F	=	0.0

ASSISTANTS

Course Title: **Assistants**

Course Number - 573

Grade: 10th, 11th, and 12th
Elective
Prerequisites: Approval of the Dean of Students
Quality Points: None

Students receive credit for working as an assistant. Assistants will be assigned tasks for the office, guidance, alumni and campus ministry. Evaluation is based on their willingness to learn, initiative and performance of assigned tasks, and demonstrated competencies within the area assigned. Their supervising staff member makes evaluations.

These courses may be taken on a semester basis and may be repeated with the permission of the Dean of Students.

BUSINESS AND TECHNOLOGY DEPARTMENT

Course Title: Computer Applications 9 - Desktop Publishing

Course Number: 111

Grade: 9th
Elective
Prerequisites: None
Quality Points: A = 4

Students will learn to create a variety of documents using Desktop Publishing with Microsoft Word and Microsoft Publisher. At the end of the semester, the students will be able to format essays and term papers, create letterheads, design brochures, and develop newsletters. There will also be an introduction to Microsoft Excel and Microsoft PowerPoint. This course meets every day for one semester.

Course Title: Marketing Principles

Course Number: 122

Grade: 10th, 11th, or 12th
Elective
Prerequisites: None
Quality Points: A = 4

This is a beginning class to help students become familiar with the world of business through a marketing perspective. Students will gain a basic understanding of marketing, business, management, and entrepreneurship. This course meets every day for one semester.

Course Title: Accounting I

Course Number: 133

Grade: 11th or 12th
Elective
Prerequisites: None (Marketing Principles is desirable.)
Quality Points: A = 4

Accounting I is designed to provide an understanding of the basic principles of the accounting cycle as it applies to sole proprietorships and partnerships. Major areas of study include analyzing and recording business transactions, preparation and interpretation of financial statements, and an introduction to automated accounting. The use of the computer is introduced into the course as it applies to accounting principles and applications. This course meets daily for a full year.

Course Title: Personal Finance**Course Number: 134**

Grade: 10th, 11th, or 12th
Elective
Prerequisites: None
Quality Points: A = 4

This is a semester course designed to provide students with personal skills needed daily. Topics of study include establishing a bank account and maintaining a checkbook and debit card, computing personal income tax and analyzing employment taxes. Students will understand how consumer credit works and the pitfalls of credit cards, constructing a personal budget, analyzing investments and retirement funds, and more.

Course Title: Computer Applications II - Spreadsheet/Database **Course Number: 132**

Grade: 10th, 11th, or 12th
Elective
Prerequisites: None
Quality Points: A = 4

This course will introduce students to spreadsheets and database applications, using Microsoft Excel and Access. Students will learn to create and manipulate basic business spreadsheets with the Excel program. Students will be expected to create databases and design forms, tables, and queries using Excel and introducing the Access application. This course meets every day for one semester.

Course Title: Computer Programming I**Course Number: 141**

Grade: 10th, 11th, or 12th
Elective
Prerequisites: Department approval
Quality Points: A = 4

This course is an introduction to structured computer programming in the Java language and other high level languages with an emphasis on problem solving and business applications including the study of top-down design, data structures, file I/O and recursion. This course focuses on concepts, techniques and knowledge unfamiliar to most students and necessitates more of a time commitment than other technology courses. This course meets every day for a full year.

Course Title: Web Page Design and Maintenance**Course Number: 142**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Department approval/interview
Quality Points: A = 4

The focus of this course is to create and maintain web pages and web sites. Prepackaged web design software, HTML, and JavaScript will be used in the creation and upkeep of the web sites. This course meets every day for one semester.

Course Title: Advanced Computer Programming

Course Number: 143

Grade: 11th and 12th

Elective

Prerequisites: Computer Programming 141 and department approval

Quality Points: A = 4

Students will further develop the skills acquired in Computer Programming 141. Students will define a problem, develop the algorithm, code the program, test and debug the program and finally document and maintain the program. The student in agreement with the instructor will select the problem/program. This course meets daily for a full year.

ENGLISH DEPARTMENT

Course Title: English 9 - Basic

Course Number: 213

Grade: 9th

Required

Prerequisites: Admission to English 9 Basic is based on the student's percentile ranking on standardized tests and on the recommendation of the student's 8th English grade teacher

Quality Points: A = 4

This course is primarily for students who have difficulty in the study of English. This course includes (1) the study of grammar fundamentals, sentence structure, capitalization and punctuation rules; (2) reading comprehension; (3) basic composition skills including paragraph construction, introduction to MLA format, and an introduction to literature based essays; (4) introduction to research including utilizing media center resources; (5) introduction to literature and literary terms; and (6) an introduction to poetry and drama.

Course Title: English 9 and English 9-Advanced

Course Number: 212 and 211

Grade: 9th

Required

Prerequisites: Admission to English 9 and Advanced English 9 is based on the student's percentile ranking on standardized tests and on the recommendation of the student's 8th grade English grade teacher

Quality Points: A = 4

The course includes (1) the study of grammar fundamentals, capitalization, punctuation, and spelling rules; (2) reading comprehension; (3) vocabulary development; (4) basic composition skills with an emphasis on sentences and paragraphs; (5) study skills; (6) an introduction to the research-study resources contained in the media center; (7) introduction to literature (e.g., the short story, poetry, mythology, the novel) and to frequently used literary terms--Part I; (8) student presentations of reports on authors, books and various topics; and (9) an introduction to poets, their biographies, works and terms.

Course Title: English 10

Course Number: 222

Grade: 10th

Required

Prerequisites: English 9

Quality Points: A = 4

This course includes (1) study of World Literature through novels, short stories, drama, and poetry; (2) grammar fundamentals and the reinforcement of these essential grammar skills with the context of writing assignments; (3) introduction to evaluative and analytical essays including the use of secondary sources; (4) continuation of vocabulary development, reading comprehension, and literary terms.

Course Title English 10 - Advanced

Course Number: 221

Grade: 10th

Required

Prerequisites: English 9 Advanced with a B average both semesters or English 9 with an A average both semesters and a consideration of both Verbal and Writing PSAT scores.

Quality Points: A = 4

This course includes (1) Part II of an introduction to the main types of literature (e.g. short story, drama, poetry, the novel) with a concentration on World Literature; (2) reinforcement of essential grammar skills within the context of writing assignments, with emphasis on sentence structure and punctuation; (3) reinforcement of the analytical essay, the evaluative essay, and the research paper; (4) continuation of frequently used literary terms, vocabulary development, reading comprehension, and listening skills.

Course Title: English 10 – Honors

Course Number: 223

Grade: 10th

Required

Prerequisites: Student must undergo a selection process including a written work product, a grade of A for both semesters in 9th grade English and a consideration of both Verbal and Writing PSAT scores.

Quality Points: A = 5

This course includes many of the same topics that are taught in English 10 Advanced but also will include a more comprehensive focus on World Literature. The additional focus will be on the civilizations of Asia, Africa, and the Americas. Students will be required to do much more reading, frequent short papers, and extended writing assignments.

Course Title: English 11

Course Number: 232

Grade: 11th

Required

Prerequisites: English 10

Quality Points: A = 4

This course includes (1) a review of grammar and usage fundamentals; (2) writing skills techniques (e.g., prewriting, outlining, rough copy, revision, etc.); (3) a major research paper; (4) concentrated practice in writing analytical and evaluative essays; (5) reading comprehension and summarizing skills; (6) continued vocabulary development; and (7) general survey of the literary periods and genres of American Literature.

Course Title: English 11 - Honors

Course Number: 231

Grade: 11th

Required

Prerequisites: English 10 Advanced with a B in both semesters or English 10 with an A both semesters and the recommendation of the student's 10th grade English teacher

Quality Points: A = 5

This course includes (1) focus on writing with emphasis on analytical and evaluative compositions; and a review of expository writing techniques (e.g., prewriting, outlining, rough copy, revision, etc.); (2) a documented essay including primary and secondary resources; (3) continued vocabulary development; and (4) general survey of the literary period of American Literature (e.g., novels, short stories, poetry, essays and dramas).

Course Title: English 11 - Advanced Placement Junior English **Course Number: 233**

Grade: 11th

Prerequisites: English 10 Honors or Advanced with a B in both semesters. Student must undergo a rigorous selection process. The department will review students' Verbal and Writing PSAT scores and all applicants will take an AP level entrance exam.

Quality Points: A = 5

This course comprises much of the material covered in English 11 Honors as well as the principles of rhetoric and argument. The course will prepare students for the required College Board Advanced Placement Test given in May. This demanding and challenging course will be offered to students who show the aptitude, desire, and work ethic for a college level course.

Course Title: English 12

Course Number: 242

Grade: 12th

Required

Prerequisites: English 11

Quality Points: A = 4

This course includes (1) review and practice of paragraph and essay structure; (2) reinforcement of essential grammar skills within the context of writing assignments; (3) reading comprehension, summary and analysis; (4) composition resulting in several documented essays using both primary and secondary sources; (5) vocabulary development; (6) a survey of British Literature and selected classical myths; and (7) oral presentations on authors, literary selections, and various topics.

Course Title: English 12 - Honors**Course Number: 241**

Grade: 12th

Required

Prerequisites: English 11 Advanced with a B in both semesters or English 11 with an A in both semesters and the recommendation of the student's 11th grade English teacher.

Quality Points: A = 5

This course includes (1) writing exercises using complex sentence structures to develop stylistic maturity; (2) analysis and synthesis; (3) advanced composition resulting in several documented essays using both primary and secondary sources; (4) vocabulary development; (5) in-depth study of British Literature and classical mythology; and (6) oral presentations on authors, literary selections, and various topics.

Course Title: English 12 - Advanced Placement Senior English **Course Number: 243**Grade: 12th

Required

Prerequisites: Must have a PSAT Verbal score of no less than 55.
Must be in either AP English Language and Composition or have an A in English 11 Honors

Quality Points: A = 5

This course includes all the essentials of English 12-Honors and will prepare the student for the required College Board Advanced Placement Test given in May. This very demanding and challenging course is offered only to the student who shows the aptitude and desire for a college equivalent course in high school.

Candidates who meet the above prerequisites must take a placement exam consisting of multiple-choice questions and essay responses comparable to AP standards. Any student in AP English Language and Composition with a B or better average will automatically be placed in this course, if the student so desires. Those with C average or below are required to take the exam.

Course Title: Writing**Course Number: 227**

Grade: 10th and 11th

Elective

Prerequisites: None

Quality Points: A = 4

This course is designed to develop fundamental written expression through a variety of modes of reflective, expressive, and transactional discourses, including but not limited to personal essays/journal, fiction, and revisions of analytical essays completed for other English courses. The intention of the course is two-fold: 1) to enhance the effectiveness of the student written communication and 2) to prepare students for the new SAT essay. This class meets every day for one semester.

Course Title: Journalism**Course Number: 234**

Grade: 10th, 11th, and 12th
Elective
Prerequisites: B average in English with approval of the instructor and student editors
Quality Points: A = 4

This class is designed to give practical experience in interviewing and writing techniques (news, features, editorials, and sports coverage), photography, and layout. Word processing skills are necessary. Students in the class will sell ads. The students are responsible for publishing the school newspaper once a month and a literary magazine once a year. This class meets every day for a full year.

Course Title: Yearbook**Course Number: 235**

Grade: 10th, 11th, and 12th
Elective
Prerequisites: Must apply, secure teacher recommendations, be accepted by the instructor and the student editors, and attend summer workshop.
Quality Points: A = 4

The student is instructed in layout design, copy and caption writing, photo cropping and all aspects of preparing the yearbook. Selected students are designated as photographers. A calendar is posted with the deadlines and other assignments for all phases of the yearbook. All students must sell ads and work on publicity and sale of the yearbook. This class meets every day for a full year.

Course Title: Public Speaking**Course Number: 236**

Grade: 10th, 11th, or 12th
Elective
Prerequisites: None
Quality Points: A = 4

The purpose of this course is to provide the student with the experience of speaking before an audience. The student participates in a series of oral exercises including: formal readings, solo dramatic readings, group dramatic readings, issue speeches, persuasive speeches, and impromptu speeches. This course meets daily for one semester.

FINE ARTS DEPARTMENT

Course Title: Art I

Course Number: 311

Grade: 9th
Elective
Prerequisites: None
Quality Points: A = 4

Art I is an introductory course that will expose students to the mediums of ceramics, drawing, painting, photography, and print-making. Students will learn basic art principles such as value, perspective, and color theory. Course meets every day for one semester.

Course Title: Art II

Course Number: 321

Grade: 10th
Elective
Prerequisites: Approval of the instructor
Quality Points: A = 4

Art II is a course that builds on the basic principles learned in Art I. Students will deepen their understanding of art principles through life drawing, hand-built and wheel ceramics, painting, print-making and sculpture. Art history will be woven in as it relates to the student's projects. Student selection will be made through a review of student's work and an interview. Course meets every day for a semester.

Course Title: Art III

Course Number: 331

Grade: 11th or 12th
Elective
Prerequisites: Approval of the instructor
Quality Points: A = 4

Art III is an intermediate level course in which students can begin to explore the aspects of art in which they excel. In addition to ceramics, drawing, painting and print-making, students will be exposed to computer generated art, architecture, portraiture, and portfolio building. In order to be considered for acceptance in Art III, students must submit a selection of work for review and demonstrate proficiency in basic principles. This course meets every day for a semester.

Course Title: Honors Art**Course Number: 341**

Grade: 12th
Elective
Prerequisites: Selection by the instructor and portfolio
Quality Points: A = 5

Honors Art is an advanced level class requiring the submission of a portfolio for review in order to be considered for acceptance. At this level student's art work is based on original ideas and designs. Students will begin the study of abstract art. Self-portraiture will be emphasized. Comics, self-created landscape and environments, ceramic wheel techniques and glazing will be included. Students will build a portfolio suitable for submission to college or art schools. This course meets every day for one year.

Course Title: Freshman Chorus**Course Number: 312**

Grade: 9th
Elective
Prerequisites: None
Quality Points: A = 4

This course offers incoming Freshmen an opportunity to develop their singing voices through choral singing and breathing, sight-singing, and vocal production techniques. The students will explore Broadway musical selections, Classical music, and standard choral music. They will also experience vocal audition techniques, piano playing/music reading, intervals, and learn good listening techniques. This class meets every day for a semester.

Course Title: Choral Ensemble**Course Number: 332**

Grade: 10th, 11th and 12th
Elective
Prerequisites: Selection by audition
Quality Points: A = 4

The Choral Ensemble is a select group of students that performs three times a year in the Fine Arts Festivals for the parents and the student body. The members learn sight singing, music reading, vocal production techniques and four-part singing. The class often participates in statewide choral contests and the Mars Hill Choral Clinic. This class meets every day for a year.

Course Title: Honors Women's Chamber Ensemble**Course Number: 335**Grade: 10th, 11th and 12th

Elective

Prerequisites: B on Theory test, sight singing test, solo vocal presentation and teacher approval

Quality Points: A = 5

This class is designed for the serious and gifted female singer. The class will be comprised of Soprano I, Soprano II, Alto I and Alto II singers. The students will learn and perform music of the Renaissance, Baroque, Classical, Romantic and Contemporary genres. They will participate at all school concerts, statewide MENC Choral Festivals, out of state choral competitions, New York/Carnegie Hall performances and audition for the MENC Honors Choir and Mars Hill Choral Festival. Students will be responsible for choral excellence, which will be monitored and assessed for each choral work. Performance testing will occur each semester.

Course Title: Honors Ensemble**Course Number: 342**

Grade: 11th and 12th

Elective

Prerequisites: B in Theory test, sight singing test, solo presentation and teacher approval

Quality Points: A = 5

This class meets every day for the entire year and is offered to choral students that show exceptional ability in singing and musical knowledge. The students will learn and perform music of the Renaissance, Baroque, Classical, Romantic and Contemporary genres. They will participate at all school concerts, statewide MENC Choral Festivals, out of state choral competitions, New York/Carnegie Hall performances and have the opportunity to audition for the MENC Honors Choir and Mars Hill Choral Festival. They will be responsible for a paper, choral project or a cultural enrichment experience each semester. Students will be graded weekly on participation and vocal proficiency on each song.

Course Title: Beginning Drama**Course Number: 313**

Grade: 9th

Elective

Prerequisites: None

Quality Points: A = 4

Students will learn basic elements of theater and film. They will learn the history and progression of theater as a reflection of society. They will learn about the stage and its workings; how to design sets, set up lighting and sound. They will read plays, watch movies and engage in project activities that will further their understanding of drama.

Course Title: Drama I – Film Studies**Course Number: 322**

Grade: 10th, 11th, or 12th
Elective
Prerequisites: Teacher approval
Quality Points: A = 4

Students in this class will study universally acknowledged great American Film. The films will be examined from the perspective of the: Producer, Director; Cinematographer; Designer and Marketer. Each role will be thoroughly studied in depth with their product (their films) as evidence of the work. Each quarter the students will select a film career to research and present using film as the example of how the jobs are performed. Additionally, students will produce their own film from concept to premier.

Course Title: Acting**Course Number: 330**

Grade: 10th, 11th and 12th
Elective
Prerequisites: Selection by audition or drama teacher approval
Quality Points: A = 4

This year long course is offered to students who desire to seriously pursue all acting techniques and performance in the field of drama. The course will include a production each semester. The student will learn and perform acting techniques, directing techniques, styles, and the process of producing a play.

Course Title: Technical Theater**Course Number: 340**

Grade: 10th, 11th and 12th
Elective
Prerequisites: Drama teacher approval
Quality Points: A = 4

This course is offered to the serious theatrical student who wants to study all facets of stagecraft: designing and building sets, collection of props, sound production, stage lighting, and video production and editing. Students will be required to work on the fall play and the spring musical and be able to spend extracurricular time on projects. The student will also offer sound, lights and video support to other CCHS functions after school as well as during the school day. This class meets every day for a full year.

Course Title: Dance I**Course Number: 314**

Grade: 9th
Elective
Prerequisites: None
Quality Points: A = 4

Dance I is an introductory course for incoming freshman with little or no formal dance instruction, but offered to those interested in learning and possibly furthering their dance knowledge and technique. All areas of dance are studied including basic choreography skills and the study of dance history. This class enables the student to be prepared for performance level dance sophomore-senior year, if applicable. This class meets every day for one semester.

Course Title: Dance II**Course Number: 323**

Grade: 10th, 11th, and 12th
Elective
Prerequisites: Selection by audition or completed Dance I
Quality Points: A = 4

Dance II is an intermediate dance class in which students with some previous dance experience either outside of school or through Dance I freshman year can continue to improve their dance techniques and work on basic performance level skills. The students explore different dance styles and focus is on memorization of planned choreography. The class will meet every day for a semester.

Course Title: Performing Dance**Course Number: 334**

Grade: 10th, 11th, and 12th
Elective
Prerequisites: Selection by audition or completed Dance I and II.
Quality Points: A = 4

Performing Dance is offered to students with advanced dance experience and technique. The students will study and perform a variety of dance styles including classical ballet, tap, jazz, liturgical and contemporary/modern. Each Fine Arts Festival is a performance requirement. The students will also be involved in the research of dance history and choreographers through various projects. This class meets every day for a semester.

Course Title: Music Appreciation**Course Number: 310**

Grade: 9th
Elective
Prerequisites: None
Quality Points: A = 4

This semester course will look at the history of film music and the essential and changing relationship film has had with music over its short one hundred year history. This class will focus on the aesthetic assumptions composers have made about the union of images and music. It will cover original Hollywood orchestral scores, pop soundtracks, invention of sound film, use of microphones and electronic/computerized music. This class meets everyday for one semester.

Course Title: Music Theory**Course Number: 344**

Grade: 12th
Elective
Prerequisites: Band or choral classes, band teacher approval and pre-test
Quality Points: A = 4

This course is for the serious music student who wishes to study the materials and processes of music that are presented in a score. The student will develop fundamental aural, analytical, and compositional skills through listening and written exercises. The course will cover: scales, modes, intervals, chord progressions, species counterpoint, composition, Roman Numeral analysis, and score analysis. This class meets everyday for a year.

Course Title: Concert Band**Course Number: 326**

Grade: 9th, 10th, 11th or 12th

Elective

Prerequisites: Recommendation from the middle school band teacher, three years of private instruction or teacher audition/interview

Quality Points: A = 4

This course is offered to the music student who wishes to play in a concert band and is striving for membership in the Symphonic Wind Ensemble. The Concert Band will play Grade III-IV music to gain technical and ensemble skills.

Course Title: Symphonic Wind Ensemble**Course Number: 345**

Grade: 10th, 11th or 12th

Elective

Prerequisites: Selected by audition

Quality Points: A = 4

This course is designed for the exceptional band student who wishes to play high skill level music. The students will prepare for four concerts throughout the year, SCDBA District Contest, and a Spring Touring trip. Members are encouraged to audition for the SCDBA District Honors Band and SCDBA Solo/Ensemble Contest.

Course Title: Honors Band**Course Number: 343**

Grade: 11th and 12th

Elective

Prerequisites: Selected by audition

Quality Points: A = 5

This course is for juniors and seniors who have auditioned for Symphonic Wind Ensemble, have developed an advanced proficiency on their instrument and wish to receive Honors credit via additional work. The students are required to do a research project/paper each semester, audition for the SCDBA District Honors Band and prepare a solo for the SCDBA Solo/Ensemble Contest.

Course Title: Introduction to Guitar**Course Number: 325**

Grade: 10th, 11th, and 12th

Elective

Prerequisites: Must have an acoustic guitar

Quality Points: A = 4

This course is designed to give an understanding to the terminology and basics of acoustic guitar playing. The student will learn several 12-bar progressions, all basic major and minor shape chords, how to improvise a melody, bar and power chords, the very basics of music notation, and compose a song as a final self-expression project. This class meets everyday for one semester.

Course Title: Guitar II**Course Number: 327**

Grade: 10th, 11th and 12th
Elective
Prerequisites: Guitar I or audition
Quality Points: A = 4

This course is designed for the experienced guitar student. The course will cover: jazz chord shapes, all rhythmic major and minor chords, major and minor pentatonic scales, jazz theory and terminology, and composition. The student must have a guitar. This class meets everyday for one semester.

Course Title: Digital Photography I**Course Number: 316**

Grade: 10th, 11th and 12th
Elective
Prerequisites: Must have a digital camera and textbook.
Quality Points: A = 4

This semester course is offered to the novice photographer who wants to learn how to communicate using photography. Students will explore the history of photography while learning the fundamental elements critical to a good photograph. As students develop and learn to recognize their own style, the digital darkroom will be introduced as a method to process their photographs. This course meets everyday for one semester.

Course Title: Photography II**Course Number: 328**

Grade: 10th, 11th or 12th
Elective
Prerequisite: Photography I and photography teacher approval, a 35 mm camera and textbook.
Quality Points: A = 4

This course builds on the basics from Photography I and introduces traditional black & white techniques and processes. Utilizing their 35 mm format cameras, students will learn basic camera operation. Black & white film will be the main source for capturing images. Darkroom techniques will be explored as students process and develop their own film and print photographs. In addition to black & white, alternative photographic processes will be introduced as a progressive method of photography. Students will provide their own paper and film.

FOREIGN LANGUAGE DEPARTMENT

Course Title: French I

Course Number: 411

Grade: 9th, 10th, or 11th
Elective
Prerequisites: None
Quality Points: A = 4

On the linguistic level, this course involves the progressive and elementary acquisition of the four fundamental skills of learning the language: reading, writing, listening and speaking. This goal is met through an intensive study of French grammar: verbs (regular and irregular, present and past tenses), syntax, and vocabulary. Oral and written exercises, simple question and answer activities, readings, translations, and dictations are used to facilitate the acquisition of the four skills listed above.

On the cultural level, French I expose the student to basic geographical, historical, artistic, and sociological concepts of French civilization through reading, discussions, films, games, and projects.

This course is taught 80% in French. By the end of the year the student is expected to be able to read and to communicate, both orally and in writing, accurately in simple French.

Course Title: French II

Course Number: 421

Grade: 9th, 10th, 11th or 12th
Elective
Prerequisites: Minimum of a C average in both semesters of French I and/or teacher recommendation.
Quality Points: A = 4

This course is essentially a continuation and expansion of French I based on material increasingly more complex and more difficult on the linguistic level. The four skills of reading, comprehension, speaking and writing remain important. They are expanded through the in-depth study of grammatical, lexical, verbal, and structural aspects of the French language. In addition to the textbook and ancillary materials, two full-length French films are studied and at least one project will be assigned per quarter. By the end of the year, the student is expected to apply the four skills of foreign language learning with relatively complex and accurate form. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that have been taught.

Course Title: French III-Honors**Course Number: 431**

Grade: 10th, 11th or 12th

Elective

Prerequisites: Minimum of a B average in both semesters in French II with a minimum B test average and/or teacher recommendation.

Quality Points: A = 5

On the linguistic level, a strong emphasis is placed on spoken and written French through intensive study and practice of conversational material, through the writing of controlled or free compositions in French, and through varied assigned readings pertaining to French mores and contemporary life. Lexical growth is also heavily intensified and expanded. A constant and correlated review of essential grammatical concepts, as well as a further exploration of finer and more subtle grammatical points, is ongoing. In addition to the textbook and ancillary materials, two full-length French films are studied and at least one project is assigned per quarter. By speaking the target language, the students are expected to express the vocabulary and the grammar concepts that have been taught.

Course Title: French III**Course Number: 432**

Grade: 10th, 11th or 12th

Elective

Prerequisites: Minimum of a C average in both semesters in French II and teacher recommendation.

Quality Points: A = 4

The student is expected to continue building on the skills acquired in the two previous years of study with special emphasis on speaking conversationally and writing extensively and creatively. Vocabulary expansion, assigned readings and intensified study of grammar are ongoing. In addition to the textbook and ancillary materials, two full-length French films are studied and at least one project is assigned per quarter. By speaking the target language, the students are expected to express the vocabulary and the grammar concepts that have been taught.

Course Title: French IV-Honors**Course Number: 441**

Grade: 11th or 12th

Elective

Prerequisites: Minimum of a B average in both semesters in French III- Honors, a B test average and teacher recommendation.

Quality Points: A = 5

On the linguistic level the acquisition and the honing of the four language skills are still constant goals. The student will actively participate in understanding authentic documents, discuss the content of chapter readings, write their opinions and reactions all while communicating and collaborating with their classmates. Lexical and structural growth are also occurring simultaneously at a fast pace. At least one project will be assigned per semester. In addition to the textbook and ancillary materials, three full-length French films are studied. By speaking the target language, the students are expected to express the vocabulary and the grammar concepts that have been taught.

Course Title: Advanced Placement French V**Course Number: 445**

Grade: 12th

Elective

Prerequisites: An A in French III Honors or B+ in French IV Honors in both semesters, an essay, and/or teacher recommendation

Quality Points: A = 5

This course is equivalent to a junior level college course. AP French is designed to advance the student's communicative ability in French. Its main objectives are to further develop the ability to understand spoken French in a variety of contexts; to develop a vocabulary base for reading newspapers, literary text and other media without depending upon a dictionary; to improve the ability to express oneself in written and spoken French with reasonable fluency and accuracy. This class is taught by content where linguistic skills can be practiced and reviewed. Students enrolled in this course are required to take the AP French test in May.

Course Title: German I**Course Number: 412**

Grade: 9th, 10th and 11th

Elective

Prerequisites: None

Quality Points: A = 4

This course teaches the basic skills of the German language: comprehension, reading, speaking and writing. To accomplish this task an intensive study of grammar is necessary. Oral and written exercises with verbs, adjectives and nouns are practiced daily. The student learns basic communication skills. The teacher introduces and guides students to 80% use of the target language with guidance and help from the teacher.

Course Title: German II**Course Number: 422**

Grade: 10th, 11th, 12th

Elective

Prerequisites: Minimum of a C- average in German I in both semesters and teacher recommendation

Quality Points: A = 4

This course is a continuation of German I: comprehension, reading, speaking and writing. Intensive grammar drills and oral exercises in German will improve the student's communication skills. The study of German culture and geography is part of this curriculum. Use of target language: 80%.

Course Title: German III-Honors**Course Number: 436**

Grade: 11th and 12th

Elective

Prerequisites: B in German II in both semester, a B test average and/or teacher recommendation

Quality Points: A = 5

This course continues to build on the skills acquired in the two previous years of study. Special emphasis is placed on speaking conversationally and reading. Vocabulary expansion and intensive grammar drills will improve the student's ability to write freely. Use of target language is 90%.

Course Title: German IV-Honors**Course Number: 447**

Grade: 12th

Elective

Prerequisites: A B average in both semesters and a B test average in German III and/or teacher recommendation

Quality Points: A = 5

This course studies the finer parts of grammar that will lead the student to improve his/her speaking, writing and reading ability. All four elements allow the student to discuss unabridged literature and articles. Use of target language is 95%.

Course Title: Latin I**Course Number: 413**

Grade: 9th, 10th and 11th

Elective

Prerequisites: None

Quality Points: A = 4

This course emphasizes the elements of Latin grammar, level-appropriate readings on culture, geography, and mythology, and basic Latin vocabulary. Emphasis is also placed on the Latin roots of English, with comparisons of culture and language. This course is helpful in increasing the student's knowledge of English vocabulary, grammar, and syntax, and in the acquisition of any Romance languages.

Course Title: Latin II**Course Number: 423**

Grade: 10th, 11th and 12th

Elective

Prerequisites: Minimum of a C average in both semesters in Latin I and approval of the instructor

Quality Points: A = 4

This course is a review of Latin I grammar and syntax; new grammatical forms such as the third, fourth, and fifth declensions, passive voice, and indirect statement are introduced. Readings are based on mythology (Odyssey and Aeneid) and early Roman history.

Course Title: Latin III-Honors**Course Number: 433**

Grade: 11th and 12th

Elective

Prerequisites: Minimum of a B- average in both semesters in Latin II and approval of the instructor

Quality Points: A = 5

In this course students review vocabulary and previous grammar. The subjunctive and its uses are taught along with the advanced grammar necessary to read authentic Latin prose and poetry.

Course Title: Latin IV**Course Number: 442**

Grade: 12th
Elective
Prerequisites: A C average in Latin III Honors.
Quality Points: A = 5

Students read sections of Vergil's Aeneid and explore the historical and mythological foundations of the epic.

Course Title: AP Latin**Course Number: 448**

Grade: 12th
Elective
Prerequisites: Minimum of a B+ average in both semesters in Latin III Honors and approval of the instructor.
Quality Points: A = 5

Students taking this course study the prescribed AP Latin Vergil curriculum. The main objectives are to further widen the student's range of vocabulary, grammar, and syntax and to implement this range in order to appreciate the richness of the Latin epic. Students taking this course are required to take the AP Vergil exam in May. It is also recommended that they take the Latin SAT II exam usually given in December.

Course Title: Spanish I**Course Number: 414**

Grade: 9th, 10th, or 11th
Elective
Prerequisites: Admission is based on student's percentile ranking on standardized tests.
Quality Points: A = 4

In first year Spanish, the student is introduced to the basics of the language. Emphasis is placed on learning general grammatical constructions, cultural aspects, conversing in simple phrases, building a wide vocabulary, and becoming familiar with two tenses of the indicative mood. This course is vocabulary driven. Spanish I is not open to native or near-native speakers. By speaking the target language, the students are expected to express the vocabulary and the grammar concepts they have been taught.

Course Title: Spanish I-B**Course Number: 415**

Grade: 9th, 10th or 11th

Elective

Prerequisites: Admission is based on the student's percentile ranking on standardized tests.

Quality Points: A = 4

This course does not satisfy the prerequisite to enroll in Spanish II. This is a non-accelerated course designed for lower-ability students concentrating on the basics. It introduces the student to the Spanish language and allows him/her to learn about the cultures of Hispanic countries. This course is taught in both English and Spanish (approximately 50% each). Emphasis is placed on learning general grammatical constructions, cultural aspects, conversing in simple phrases, building a wide vocabulary, and becoming familiar with one tense of the indicative mood.

Course Title: Spanish II**Course Number: 424**

Grade: 9th, 10th, 11th and 12th

Elective:

Prerequisites: Minimum of a C average in both semesters in Spanish I and/or department approval

Quality Points: A = 4

At the beginning of Spanish II, the student is able to express him/herself in short, grammatically correct sentences. Through the year, he/she progresses to a more complex stage of communication encompassing everyday life situations. The emphasis throughout the course is on communication in the target language, advanced verb study, grammar, vocabulary and idioms. The student continues his/her study of Hispanic cultures and traditions, primarily through readings. By speaking in the target language, the students are expected to express the vocabulary and the grammar that have been taught.

Course Title: Spanish II-B**Course Number: 425**

Grade: 10th, 11th and 12th

Elective

Prerequisites: Spanish I or Spanish I-B with average of D in both semesters and /or department approval

Quality Points: A = 4

This course does not satisfy the prerequisite to enroll in Spanish III-Honors. In this course the student gains greater fluency in speaking Spanish. The student should be able to carry on simple conversations related to everyday life. The emphasis throughout is to reinforce basic grammar, vocabulary, idioms, and everyday conversation. The student is taught an understanding of Hispanic cultures through readings. This course is taught in both Spanish and English (approximately 50% each)

Course Title: Spanish III-B**Course Number: 435**

Grade: 11th and 12th
Elective
Prerequisites: Minimum D average in both semesters in Spanish II or a C average in both semesters Spanish II-B and department approval
Quality Points: A = 4

This course is designed for the student who does not plan further study of Spanish in high school. The student is expected to further build on the skills acquired in the two previous years of study, with special emphasis on speaking and writing. Vocabulary expansion, assigned readings and intensified study of culture are ongoing. Students are expected to communicate in the target language.

Course Title: Spanish III**Course Number: 437**

Grade: 10th, 11th and 12th
Elective
Prerequisites: Minimum of a C average in both semesters in Spanish II and department approval
Quality Points: A = 4

This course is designed to develop in the student a greater understanding by speaking, reading and writing Spanish and to deepen their appreciation of the Hispanic world. In addition to work done in Spanish II, reading is an important component of the course and provides the basis for writing. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that have been taught.

Course Title: Spanish III-Honors**Course Number: 434**

Grade: 10th, 11th or 12th
Elective
Prerequisites: A B class average and a B test average in both semesters in Spanish II and/or department approval.
Quality Points: A = 5

Spanish III-Honors is designed to develop in the student a greater understanding of speaking, reading, and writing and to deepen his/her understanding and appreciation of the Hispanic world. The primary goal of the course is to strengthen reading and writing skills along with more complex structure and vocabulary. In addition to the work done in Spanish II, reading is an important component of the course and provides the basis for proficiency in writing. An eclectic method incorporating elements of the audiovisual and the more traditional approaches includes:

1. Comprehensive review of the verbs, grammatical structures and idioms, plus reasonable study of advanced grammar and idioms.
2. Written and oral drills.
3. Emphasis on aural comprehension, self-expression in advanced Spanish, and facility in reading and writing Spanish of normal difficulty with the use of conversation, practice in directed and/or free compositions and auditory reading comprehension exercises in Spanish.

Course Title: Spanish IV**Course Number : 449**

Grade: 11th and 12th
Elective
Prerequisites: Spanish III
Quality Points: A = 4

Spanish IV will encourage the use of Spanish skills acquired in Spanish III. Advanced grammar concepts will be introduced in the context of more advanced conversational skills. Proficiency in every day conversational situations will be stressed. Reading will also be an important part of the course and will be used as a basis to further writing skills in the target language. The course will allow the students to appreciate the culture and the history of the Hispanic world. By speaking in the target language, the students are expected to express the vocabulary and the grammar concepts that have been taught.

Course Title: Spanish IV-Honors**Course Number: 443**

Grade: 11th and 12th
Elective
Prerequisites: Minimum of a B class average and B test average in both semesters in Spanish III-Honors and/or approval of the instructor
Quality Points: A = 5

This course focuses on the art, literature, drama, and cultures of Spain and selected Latin American countries. The course takes on this objective largely with the use of the target language, studies of the great artists on the Iberian Peninsula and the New World and viewing of copies of their major works, literature from these areas read in the original formats, and much oral and written communication using these themes. There is a review of advanced grammar and composition with a great deal of emphasis on vocabulary. The ultimate objective of the course is to increase the student's ability in writing, reading and speaking.

Course Title: Advanced Placement Spanish V**Course Number: 444**

Grade: 12th
Elective
Prerequisites: A- in Spanish III-Honors/IV, an essay assigned by the instructor and the recommendation from the previous instructor
Quality Points: A = 5

AP Spanish is designed for the student who has the ability and desire to pursue a college level study of Spanish. It is a demanding and challenging course in which all students are required to take the AP exam conducted exclusively in Spanish using a wide spectrum of review materials and the AP workbook.

The course emphasizes the use of Spanish for active communication with the following objectives:

1. To comprehend and respond to formal and informal spoken Spanish.
2. To synthesize, analyze, and evaluate information from a wide variety of text types and media resources.
3. To justify views on topics related to the Hispanic world with accuracy and fluency in both written and spoken expression.
4. To create and express ideas in written expository passages.

INTERDISCIPLINARY STUDIES

Course Title: Academic Skills

Course Number: 511

Grade: 9th
Prerequisites: High School Placement Test scores and recommendation of Learning Support teachers and /or recommendations from teachers.
Quality Points: A = 4

This course is designed to assist students with the academic transition between middle school and high school. The course work is designed to improve writing, vocabulary and study skills. This class will meet daily for a semester with evaluation at the end of the first semester on determining whether a student would benefit from an additional semester.

Course Title: SAT Prep

Course Number: 531

Grade: 10th or 11th
Elective
Prerequisites: Must have completed Geometry
Quality Points: A = 4

This is a semester course designed to help students prepare for the SAT. The class is divided into two groups. Each group practices one quarter for the verbal portion of the SAT and the other quarter for the mathematics portion. The verbal portion discusses reasoning strategies for tackling the two sections of the SAT: 1)critical reading, sentence completion, and reading passages, 2) writing, essay and grammar. Students are required to research college(s) of their choice in order to become familiar with different entrance requirements and other college criteria. Students are also asked to complete an SAT application and strongly encouraged to take the first test given immediately upon finishing the course. The math portion reviews the specific math skills (basic math, algebra, geometry) and strategies needed for success on the three math sections of the SAT. The entire course provides several SAT practice tests in order for the students to become familiar and comfortable with the actual test.

MATHEMATICS DEPARTMENT

Course Title: Algebra I (Basic)

Course Number: 611

Grade: 9th
Required
Prerequisites: Pre-Algebra
Quality Points: A = 4

This course includes basic terms and symbols; addition, subtraction, multiplication, and division of integers, rational numbers, and polynomials; solving equations of one variable; solving systems of equations for two variables; graphs of linear equations and inequalities; functions and their graphs; operations with exponents and radicals; factoring quadratics.

Course Title: Algebra I

Course Number: 612

Grade: 9th
Required
Prerequisites: Pre-Algebra
Quality Points: A = 4

This course includes basic terms and symbols; addition, subtraction, multiplication and division of integers, rational numbers and polynomials; solving equations of one variable; solving systems of equations for two variables; graphs of linear equations and inequalities; functions and their graphs; operations with exponents and radicals; factoring quadratics; solving and graphing quadratic equations.

Course Title: Intermediate Algebra I

Course Number: 614

Grade: 9th
Required
Prerequisites: 8th Grade Algebra I
Quality Points: A = 4

This course is designed for students who have taken Algebra I in middle school but require further study before taking Geometry. This course includes basic terms and symbols; addition, subtraction, multiplication, and division of integers and polynomials; solving equations and systems of equations of one and two variables; graphs of linear equations and inequalities; functions and their graphs; irrational numbers and quadratic equations.

Course Title: Geometry (Basic)

Course Number: 621

Grade: 10th
Required
Prerequisites: Algebra I and department approval
Quality Points: A = 4

This course includes basic terms and symbols; congruence and similarity of polygons and circles; area and volume; parallel and perpendicular lines; transformations; and an introduction to proof.

Course Title: Geometry**Course Number: 622**

Grade: 9th or 10th
Required
Prerequisites: Algebra I and department approval
Quality Points: A = 4

This course includes basic terms and symbols; congruence and similarity of polygons and circles; area and volume; parallel and perpendicular lines; transformations; and proofs.

Course Title: Geometry (Honors)**Course Number: 623**

Grade: 9th or 10th
Required
Prerequisites: Algebra I or Intermediate Algebra with a minimum A average and department approval
Quality Points: A = 5

This rigorous course includes basic terms and symbols; congruence and similarity of polygons and circles; area and volume; parallel and perpendicular lines; coordinate geometry; and proofs.

Course Title: Algebra II (Basic)**Course Number: 631**

Grade: 11th
Required
Prerequisites: Geometry and department approval
Quality Points: A = 4

This course includes polynomial functions and their inverses; factoring; complex numbers; exponential and logarithmic functions; transformations of graphs; sequences and series; and an introduction to trigonometry.

Course Title: Algebra II**Course Number: 632**

Grade: 10th or 11th
Required
Prerequisites: Geometry and department approval
Quality Points: A = 4

This course includes polynomial and functions and their inverses; factoring; complex numbers; matrices; exponential and logarithmic functions; transformations of graphs; sequences and series; and an introduction to trigonometry.

Course Title: Algebra II (Honors)**Course Number: 633**

Grade: 10th or 11th

Required

Prerequisites: Algebra I and Honors Geometry with a minimum B average or Geometry with a minimum A average and department approval

Quality Points: A = 5

This rigorous course includes polynomial functions and their inverses; factoring; complex numbers; exponential and logarithmic functions; transformations of graphs; sequences and series; and an introduction to trigonometry.

Course Title: Statistics**Course Number: 636**

Grade: 10th, 11th or 12th

Elective

Prerequisites: B in Geometry or a C in Algebra II and Departmental Approval

Quality Points: A = 4

This yearlong course will teach students about the major concepts of data analysis, data collection, probability, and statistical inference. Students who earn an A- or better will be eligible to apply for AP Statistics the following year. This course does not satisfy the UNC system admission requirement of a 4th year math course beyond Algebra II.

Course Title: Algebra III and Trigonometry**Course Number: 641**

Grade: 11th or 12th

Elective

Prerequisites: Algebra II and department approval

Quality Points: A = 4

This course includes an in-depth study of radicals and irrational numbers; a study of complex numbers and polynomial functions; quadratic relations and systems; exponential functions and logarithms; trigonometry; permutations, combinations, and probability; sequences and series. This course satisfies the UNC system admission requirements of a 4th year math course beyond Algebra II.

Course Title: Pre-calculus**Course Number: 634**

Grade: 10th, 11th or 12th

Elective

Prerequisites: A or B in Algebra II

Quality Points: A = 4

This course includes principles of logic, properties of the real number system; limit of a sequence; functions and their inverses; polynomial functions and their zeros; complex numbers; limits; continuity; exponential functions; circular and trigonometric functions, quadratic equations and their graphs.

Course Title: Discrete Math**Course Number: 648**

Grade: 12th
Elective
Prerequisites: Algebra III/Trig or Pre-calculus and department approval
Quality Points: A = 4

This course is designed for seniors who have completed Algebra III/Trig or Pre-calculus. Topics include a review of algebraic functions and geometry, set theory, number theory, graph theory, logic, consumer math, and voting methods.

Course Title: Honors Pre-calculus**Course Number: 643**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Honors Algebra II with a minimum B average and department approval
Quality Points: A = 5

This course includes principles of logic, properties of the real number system; limit of a sequence; functions and their inverses; polynomial functions and their zeros; complex numbers; limits; continuity; derivatives; exponential functions; circular and trigonometric functions, quadratic equations and their graphs.

Course Title: Honors Calculus**Course Number: 644**

Grade: 12th
Elective
Prerequisites: Honors Pre-calculus or Pre-calculus and department approval
Quality Points: A = 5

Topics included in this course are limits, derivatives of both algebraic and transcendental functions, methods of integration, and applications of the derivative and integral.

Course Title: Advanced Placement Calculus**Course Number: 645**

Grade: 11th, 12th
Elective
Prerequisites: Honors Pre-calculus and department approval
Quality Points: A = 5

This very demanding and challenging course will be open to the student who shows the aptitude and desire for a college equivalent course in high school. It will follow guidelines provided by the College Board for Calculus AB, and students must take the Advanced Placement Calculus AB exam given in May. Topics that are included are limits, derivatives of both algebraic and transcendental functions, methods of integration, and applications of the derivative and integral.

Selection of students for this course will be based on the following:

1. Honors Pre-calculus teacher recommendation.
2. Honors Pre-calculus grade for the first semester.
3. PSAT math score.
4. Current science course grade for the first semester.

Course Title: Advanced Placement Statistics

Course Number: 646

Grade: 11th or 12th

Elective

Prerequisites: A B average in Honors Pre-calculus or Pre-calculus or an A average in Honors Algebra II and department approval.

Quality Points: A = 5

This course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four major themes of the course are exploring data, planning a study, anticipating patterns, and statistical inference. Students enrolled in this course must take the AP Statistics exam given in May.

PHYSICAL EDUCATION DEPARTMENT

Course Title: Health

Course Number: 512

Grade: 9th
Required
Prerequisites: None
Quality Points: A = 4

The basic aim of the health course is to assist the student in seeking solutions to their health problems and to help them reach the level of self-awareness that will enable them to become an active participant in their own health education. The course includes the study of: (1) all the major body systems, (2) tobacco, alcohol, drugs, (3) mental and social health, (4) health products, services and careers, (5) infectious diseases, (6) human sexuality. This class meets every day for a full semester.

Course Title: Physical Education 101

Course Number: 513

Grade: 9th
Required
Prerequisites: None
Quality Points: A = 4

The major theme of this course is instruction in skills for leisure time participation. The following sports are included in the course: shuffleboard, tennis, badminton, basketball, volleyball, softball, table tennis, tumbling, weight lifting, field hockey, soccer, floor hockey, football, gymnastics and archery. This class meets every day for a full semester.

Course Title: Physical Education 203

Course Number: 514

Grade: 10th, 11th and 12th
Elective
Prerequisites: None
Quality Points: A = 4

The major theme of this course is for physical development and improvement of the cardiovascular system. The course is centered on weight training and conditioning. This course may be taken every day for a semester or for a full year.

Course Title: Aerobics

Course Number: 521

Grade: 10th, 11th and 12th
Elective
Prerequisites: None
Quality Points: A = 4

This course will focus on simple endurance and aerobic movements in order to increase physical abilities. Areas covered free weight training, cardio aerobics, yoga and the ability to understand physical fitness as part of a healthy lifestyle. Each student will be required to dress in appropriate gym attire and keep a journal log on his/her nutrition and physical activity. The class meets every day for a semester.

Course Title: Weight Lifting

Course Number: 522

Grade: 10th, 11th and 12th
Elective
Prerequisites: None
Quality Points: A = 4

This course is designed to educate students on the proper techniques of weight lifting, how to target specific muscle groups and the design and implementation of using a lifting schedule. This course meets everyday for a semester.

RELIGIOUS STUDIES DEPARTMENT

Course Title: Understanding Catholic Christianity

Course Number: 011

Grade: 9th
Required: First Semester
Prerequisites: None
Quality Points: A = 4

This semester course details a review and overview of Catholicism through the structure of the Apostles and Nicene Creed. The content of the course is supplemented with references to the *Catechism of the Catholic Church*. No service hours are required for this semester course.

Course Title: Introduction to the Hebrew Scriptures

Course Number: 012

Grade: 9th
Required: Second Semester
Prerequisites: None
Quality Points: A = 4

This semester course explores our roots as Christians in the Hebrew Scriptures. It begins with a study of how the Bible was written and the various styles of writing within the Bible. The course explains the Catholic interpretation of the Biblical stories. It emphasizes the four main divisions of the Hebrew Scriptures and highlights the faith experiences of significant characters: Abraham, Isaac, Jacob, Joseph, Moses, Joshua, Samuel, Saul, David and Solomon. The class applies faith experiences of these prominent people in the Hebrew Scriptures to the faith experiences of the students. Christ is seen as the fulfillment of the hopes of all of God's people. Ten hours of service are required.

Course Title: Encountering Jesus in the New Testament

Course Number: 021

Grade: 10th
Required: First Semester
Prerequisites: None
Quality Points: A = 4

This semester course examines the similarities and differences of the four Gospels in the light of the evangelists' theme, focus and audience. In addition, the course includes a study of the themes of the Acts of the Apostles and the Letters of Paul. The course includes a presentation of the major doctrines of the Roman Catholic Church regarding Jesus, and His centrality in liturgical and private worship. Ten hours of service are required.

Course Title: Christian Morality**Course Number: 022**

Grade: 10th
Required: Second Semester
Prerequisites: None
Quality Points: A = 4

This semester course is designed to assist the student in making sound moral decisions using Catholic Christian moral teachings as his/her guide. The basic foundation of the course is the principle that all people are created in the image of God and that all have the responsibility to live up to their inherent dignity. Through an understanding of natural law, Gospel values and the teachings of the Church, the course teaches the student to think critically about moral issues and the process of moral decision making. Ten hours of service are required.

Course Title: Sacraments and Liturgy**Course Number: 031**

Grade: 11th
Required: First Semester
Prerequisites: None
Quality Points: A = 4

This semester course is designed to recognize the sacramentality of the world and realize that all of life is holy. It concentrates on the seven Sacraments and the Eucharistic Liturgy of the Church. It includes an investigation of the role of symbols in ritual and the relationship of the sacraments to major events in human life. Jesus as the sacrament of God and the Church as the sacrament of Jesus are explained. The meaning and ritual of the Mass are also explored. Ten hours of service are required.

Course Title: Catholic Social Teaching**Course Number: 032**

Grade: 11th
Required: Second Semester
Prerequisites: None
Quality Points: A = 4

This semester course examines the Christian's call to work for justice and the Christian's responsibility to fight for the dignity of all people. The course is based on the themes of Catholic Social teaching and their applications to students' everyday life. Issues studied include poverty in the United States and the world, racism, sexism, immigration issues and pollution. Students study the social encyclicals and relevant pastoral letters. The spirituality of justice includes references to the prophets of the Old Testament and the teachings of Jesus. Ten hours of service are required.

Course Title: Religions in North America**Course Number: 041**

Grade: 12th
Required: First Semester
Prerequisites: None
Quality Points: A = 4

This semester course introduces students to religious beliefs, practices, origins and structures of both the non-Catholic Christian denominations and the great non-Christian religions of the world. Ten hours of service are required.

Course Title: Living the Christian Life**Course Number: 042**

Grade: 12th
Required: Second Semester
Prerequisites: None
Quality Points: A = 4

This semester course teaches the student to deepen his/her faith by learning how to be actively involved in leading a Catholic Christian life. Topics will include life-giving relationships with self, others and God; stewardship; vocations and ministry; cults; stress and time management; goal setting; transitioning from high school to college; and saying good-bye to family and friends. Ten hours of service are required.

Course Title: Gospel Values and Film**Course Number: 033**

Grade: 11th and 12th
Elective
Prerequisites: None
Quality Points: A = 4

This semester course facilitates students to develop a standard for analyzing what they see portrayed in the cinema. This course will teach students to evaluate the impact of movies on their beliefs, values, and behaviors. The student will be encouraged to move from being a passive viewer to an active, critical thinker. Current films will be viewed and evaluated based on Gospel values.

SCIENCE DEPARTMENT

Course Title: Earth Science 9

Course Number: 812

Grade: 9th
Required
Prerequisites: None
Quality Points: A = 4

Earth Science 9 is a course designed for freshmen. This course explores the physical and chemical principles that apply to the Earth and other astronomical bodies, including an introduction to meteorology, geology, oceanography and astronomy. An emphasis will be placed on understanding the Earth as a system of highly integrated components, exchanging matter and energy through a variety of processes. The dynamics that drive the ocean and climate systems, including winds, fronts, pressure systems, star formation, and global climate change will be covered. The physical side of the course will include topics such as rock classification, weathering and erosion, tectonics, and the hydrogeological cycle. Students will participate in lab activities and develop an understanding of how Earth processes affect our lives and an appreciation of the world around us.

Course Title: Biology I -Advanced

Course Number: 821

Grade: 9th or 10th
Required
Prerequisites: Algebra 1 and department approval
Quality Points: A = 4

The purpose of this course is to introduce the student to an in-depth study of the basic principles of biological processes. The units will include biochemistry, cell functioning, photosynthesis, respiration, DNA, genetics, biotechnology, evolution, surveys of the six kingdoms, human systems, and ecology. Emphasis will be placed on analysis and critical thinking skills. Considerable writing of essays on tests, homework, and lab reports will be required. Dissection will be required.

Course Title: Biology I

Course Number: 822

Grade: 9th or 10th
Required
Prerequisites: Algebra I
Quality Points: A = 4

The primary objective of this course is to introduce the student to a broad, general understanding of the fundamental principles of biology through a study of humans and their interaction with other organisms and their mutually shared environment. This course includes the study of cell structure and function, function and structure of plants and animals (systems study), reproduction, genetics, evolution and ecology. Laboratory exercises, dissection, and reports are significant factors in the course evaluation.

Course Title: General Chemistry**Course Number: 830**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Biology 1, Algebra 1 and department approval
Quality Points: 4

This course utilizes a conceptual approach to the traditional and fundamentals of chemistry while fully utilizing a learning style approach. Topics include, but are not limited to, atomic structure, writing chemical names and formulas, balancing chemical equations, solving stoichiometric problems, behavior of gases, properties of solutions, nuclear chemistry, and acid-base chemistry. As a physical science credit, students will participate in laboratory experiments and will be evaluated on their performance and lab results.

Course Title: Chemistry I**Course Number: 831**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Biology I, Algebra I, and department approval
Quality Points: A = 4

This course covers the fundamentals of chemistry. Topics will include, but are not limited to, atomic structure, writing chemical names and formulas, balancing chemical equations, solving stoichiometric problems, behavior of gases, properties of solutions, and acid-base chemistry. Students will participate in lab activities and will be evaluated on their performance and lab results.

Course Title: Honors Chemistry I**Course Number: 832**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Biology I, Geometry, Algebra II (may be taken concurrently) and department approval
Quality Points: A = 5

This is an elective science covering the structure, properties, and changes of matter. The content includes atomic structure, bonding, chemical names and formulas, periodic properties, chemical equations and types of reactions, stoichiometric calculations, acid base theories, and topics in redox and electrochemistry, kinetics and equilibrium, and organic chemistry. Laboratory activities and their written results are relevant to course evaluation.

Course Title: Current Scientific Topics**Course Number: 823**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Biology I and department approval
Quality Points: A = 4

This semester course will address a number of diverse issues within the scientific community. The class will be conducted much like a college seminar class. The majority of readings will come from newspaper and magazine articles. The main form of assessment will be papers and quizzes along with debates and individual research projects.

Course Title: Oceanography**Course Number: 835**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Biology and department approval
Quality Points: A = 4

Oceanography explores the geology, chemistry, physics, marine biology, and ecology of the oceans. The topics covered in this course include ocean topography, water chemistry, tidal patterns, currents and waves, marine organisms from seaweeds to sharks, as well as ecosystems such as coral reefs and the deep. Environmental impacts, cultural issues, and the history surrounding the oceans will also be discussed. The course involves lab activities such as dissections, multimedia presentations, lecture, note taking and creative research projects. Students will develop an understanding and appreciation for the ocean and its complex systems.

Course Title: Environmental Science**Course Number: 833**

Grade: 10th, 11th or 12th
Elective
Prerequisites: Biology and department approval
Quality Points: A = 4

Environmental Science is offered to those students interested in studying present issues concerning the earth and its environment. The course seeks to prepare the student to understand some grave issues facing our planet in the 21st century. Topics covered include the ecology of organisms, the human role in protecting the environment, extinction of species, energy resources and consumption, populations, and various pollutants. Discussion focuses on the causes of present environmental issues and includes problem solving to seek answers. Labs, projects, and activities relating to current issues are an important part of the course. Research, short papers and/or presentations are required.

Course Title: Honors Anatomy and Physiology**Course Number: 844**

Grade: 11th and 12th
Elective
Prerequisites: Advanced Biology, Honors Chemistry, and department approval
Quality Points: A = 5

This course is a year long, elective course designed for those students who may want to enter the medical or biological fields. The course is an in-depth study of the systems of the human body. Emphasis is placed on the structure and function of the digestive, circulatory, respiratory, locomotive (skeletal and muscular), and excretory systems. Students will be required to learn the parts of each system, understand the functions of each part, and the interdependence of the systems. Dissection of the cat and a research paper are required.

Course Title: Physics I**Course Number: 838**

Grade: 11th or 12th
Elective
Prerequisites: Biology and departmental approval
Quality Points: A = 4

This introductory physics course is designed to relate the principles of physics to the world that surrounds the students. The topics include motion, force, energy, properties of matter, heat, sound, light, electricity and magnetism, and atomic theory. The concepts of physics are emphasized using a minimum of mathematical problem solving. The course will exhibit the connection between physics and the student's world through activities. This class meets everyday for a year.

Course Title: Honors Physics I**Course Number: 845**

Grade: 11th or 12th
Elective
Prerequisites: Biology, Chemistry (may be taken concurrently), Algebra II, and department approval
Quality Points: A = 5

This introductory, one-year physics course covers the major topics in physics and uses a variety of media. The topics include motion, force, work, energy, thermodynamics, waves, optics, electricity, magnetism, and atomic theory and the nucleus. Problem-solving and laboratory work are important parts of the course.

Course Title: Advanced Placement Chemistry**Course Number: 842**

Grade: 11th or 12th
Elective
Prerequisites: Biology, Honors Chemistry, Honors Physics I (may be taken concurrently); and the AP selection process.
Quality Points: A = 5

AP Chemistry is designed as a second year chemistry course. This is an elective science covering the topics usually included in a first-year college course in chemistry. The course content includes an in-depth study of bonding, solutions, acids and bases, equilibrium, kinetics, thermodynamics, and descriptive chemistry. Laboratory activities comprise forty percent of course time. Student must take the AP Chemistry examination in May.

The following shall be used for selecting students for this course:

1. A recommended score of 1100 on the SAT, with a score of 550 in math.
2. Teacher recommendations from current science and math teachers.
3. A quiz testing knowledge of chemistry.
4. A summer reading and assignment is required.

Course Title: Advanced Placement Physics B**Course Number: 846**

Grade: 12th

Elective

Prerequisites: Biology I, Chemistry I, Honors Physics I, and the AP selection process.

Quality Points: A = 5

This course prepares the student to take the AP Physics B exam. It is designed as a second year physics course for students who have the ability and desire to pursue a college-level study of physics. The course content includes in-depth study encompassing mechanics, electricity and magnetism, waves and optics, heat and thermodynamics, and modern physics. Students are involved in problem-solving and experimentation in various topics. Physics B may meet the college level requirement for students in biological, pre-med, or general studies. Physics B will give a stronger background for engineering students, but will not take the place of the physics required of engineering degrees. Students must take the AP Physics exam given in May.

The following shall be used for selecting students for this course:

1. A recommended score of 1100 on the SAT, with a score of 550 in math.
2. Teacher recommendations from current science and math teachers.
3. Formal lab write-up on a selected lab.
4. A summer project is required.

Course Title: Advanced Placement Biology**Course Number: 841**

Grade: 11th or 12th

Elective

Prerequisites: Biology I, Chemistry or Honors Chemistry, Honors Physics I (may be taken concurrently) and the AP selection process.

Quality Points: A = 5

This course prepares the student to take the AP exam. It is designed for students who are strongly considering furthering their studies in the life sciences and/or medical fields. The course content includes in-depth study of biochemistry, energy flow and biochemical reactions, cellular metabolism, internal structure and organization of cells, heredity, evolution, population genetics, ecosystems and community interactions, and botanical and zoological diversity. AP labs and other labs are incorporated throughout the course. Students are involved in problem solving, doing experimentations, and writing essays on various topics. Students must take the AP Biology exam given in May.

The following shall be used for selecting students for this course:

1. A recommended score of 1150 on the SAT, with a score of 550 in verbal.
2. Teacher recommendations from current science and English teachers.
3. An essay on an assigned topic and a multiple choice test.
4. A summer project is required.

Course Title: Advanced Placement Environmental Science**Course Number: 843**

Grade: 11th or 12th

Elective

Prerequisites: Biology, Honors Chemistry, and the AP selection process .

Quality Points: A = 5

This course covers topics usually included in a first year college course in environmental science. AP Environmental Science provides the student with the opportunity to understand interrelationships of the natural world, to investigate natural and man made environmental problems and to explore ideas to prevent or solve these problems. Topics covered include renewable and nonrenewable resources, earth dynamics, cycling of matter, ecosystems, atmospheric dynamics, environmental quality, and global changes along with their consequences. Students are involved in laboratory work, problem solving, research and fieldwork related to environmental issues. Students must take the AP Environmental exam in May.

The following shall be used for selecting students for this course:

1. A recommended score of 540 on the SAT verbal.
2. Teacher recommendations from current science and English teachers.
3. An essay on assigned environmental concepts.

SOCIAL STUDIES DEPARTMENT

Course Title: World History

Course Number: 921

Grade: 10th
Required
Prerequisites: None
Quality Points: A = 4

This is a survey course in World History with an emphasis on European civilization. The following topics are among those discussed: prehistory, the river valley civilizations, the classical world, the medieval era, the early modern era, the age of revolutions, and the twentieth century. There are a variety of writing assignments. This course meets every day for one year.

Course Title: Advanced World History

Course Number: 922

Grade: 10th
Required
Prerequisites: An B in Advanced English 9 or an A in English 9 and department approval
Quality Points: A = 4

Advanced World History will emphasize European civilization. It will require reading one additional book each semester. This course will teach evaluating historical evidence with primary source documents and analyzing visual primary sources. As an advanced course, it will require analytical and critical thinking and writing skills including outside research. The following topics are among those discussed: prehistory, the river valley civilizations, the classical world, the medieval era, the early modern era, the age of revolutions, and the twentieth century. There will be numerous essays and papers. This course meets every day for one year.

Course Title: Honors World History

Course Number: 924

Grade: 10th
Required
Prerequisites: Student must undergo a selection process including a written work product, a grade of B in 9th grade Advanced English, an A in English 9 and English 9B and Verbal PSAT scores.
Quality Points: A = 5

This course includes the main topics that are taught in World History but also will include a more comprehensive focus on areas outside the Western Civilization. The additional focus will be on the Civilizations of Asia, Africa and Americas. Students will be required to do much more reading, frequent short papers, and extended writing assignments.

Course Title: History of Non-European World**Course Number: 923**

Grade: 11th or 12th
Elective
Prerequisites: None
Quality Points: A = 4

This course is a comprehensive examination of the history and cultural development of areas outside Europe and North America. The core areas of focus in this course are Africa, Central, South, East Asia, Australia, and the Pacific World. This course meets every day for one year.

Course Title: U. S. History**Course Number: 931**

Grade: 11th
Required
Prerequisites: World History
Quality Points: A = 4

This is a survey course in U. S. History. The following topics are among those discussed: discovery and colonization, the revolution and the national era, the Civil War and reconstruction, industrialism and the Progressives, the two World Wars, and post-World War II. This course meets every day for one year.

Course Title: Honors U.S. History**Course Number: 932**

Grade: 11th
Required
Prerequisites: In B in Advanced World History or Honors World History, or an A in World History and a strong recommendation of the student's current history teacher.
Quality Points: A = 5

This course includes the main topics that are taught in U.S. History, but will require reading of historical fiction and primary source material as well as several short papers on topics appropriate to the course materials. This course meets every day for one year.

Course Title: Advanced Placement U.S. History**Course Number: 933**

Grade: 11th
Required
Prerequisites: Student must undergo the normal AP selection process including teacher recommendations, a written work product, submission of their World History grade, and Verbal and Writing PSAT scores.
Quality Points: A = 5

This course includes the main topics that are taught in U.S. History, but will require much more reading including primary sources, and frequent short papers. The short papers are of two types: the Free-Response Essay and the Document-Based Question. Students are required to take the Advanced Placement U.S. History Exam given in May. This course meets every day for one year.

Course Title: Issues of the 21st Century**Course Number: 936**

Grade: 10th, 11th or 12th
Elective
Prerequisites: None
Quality Points: A =4

This course is designed to investigate issues of the 21st century. This will be done through current events and historical readings relating to events of the last century that are connected to the issues under discussion. Methods will emphasize a connection between materials in the text book, newspaper articles and writing. Examples of issues that will be discussed in the course include the conflicts in the Middle East, modern terrorism and civil rights and civil liberties. This course meets every day for one semester.

Course Title: International Studies**Course Number: 949**

Grade: 11th or 12th
Elective
Prerequisites: World History
Quality Points: A = 4

Students work to develop a thorough understanding of the major political, social, economic and cultural issues of the major world regions from the past to the present. The course is particularly designed for students who enjoy debate, discussion, and interactive classes. Students should be prepared to work independently (with teacher facilitation) as well as in small groups throughout the course. This course will meet every day for one semester.

Course Title: Psychology**Course Number: 941**

Grade: 11th or 12th
Elective
Prerequisites: None
Quality Points: A = 4

This course discusses such topics as humanism, behaviorism, Freud and the major pioneers in psychology, personality, intelligence, learning, developmental theories, psychological testing and abnormal psychology. One short research paper is required. This class meets every day for one semester.

Course Title: Political Science**Course Number: 942**

Grade: 12th
Required
Prerequisites: World History and U. S. History
Quality Points: A = 4

This is a basic course in American government. It includes the structure of the national and state governments, the constitution and the law, and the obligations of citizenship. This class meets every day for one semester.

Course Title: Honors Politics

Course Number: 940

Grade: 12th

Required

Prerequisites: Students must have an A both semesters in U.S. History or a B both semesters in Honors or A.P. U.S. History.

Quality Points: A = 5

This is an honors level course in American government and political systems. Students study the same topics as the traditional government class, but will have additional reading and writing assignments. This course enables the student to develop an understanding of the main principles and philosophies behind our modern political system, as well as an understanding of national and state governments and the constitutional and legal system. This course meets everyday for one semester.

Course Title: Economics

Course Number: 943

Grade: 12th

Required

Prerequisites: World History and U.S. History

Quality Points: A = 4

This is a survey course in the workings of the American economic system including a study of microeconomics, comparative economic systems and economic trends. Also some global issues such as the balance of trade will be discussed. This class meets every day for one semester.

Course Title: Honors Economics

Course Number: 950

Grade: 12th

Required

Prerequisites: Students must have an A both semesters in U.S. History or a B both semesters in A.P. or Honors U.S. History.

Quality Points: A = 5

This course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumer and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of market factors and the role of government in promoting greater efficiency and equity in the economy. This course will require the successful completion of a large case study that will be assigned by the teacher. The study of economics requires the student to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. Successful students in this course have demonstrated an above average aptitude in math. This class meets every day for one semester.

Course Title: Advanced Placement United States Government**Course Number: 944**

Grade: 12th

Required

Prerequisites: Student must participate in the AP selection process including teacher recommendations, a written work product, submission of their U.S. History grade, and Verbal and Writing PSAT scores.

Quality Points: A = 5

This is an advanced course in American government and political systems. Students will study the same topics as the traditional government class, but will have additional reading and writing assignments. This course enables the student to develop an understanding of the main principles and philosophies behind our modern political system, as well as an understanding of national and state governments and the constitutional and legal system. Students will be required to take the AP Government test in May. This course meets every day for one semester.

Course Title: Advanced Placement European History**Course Number: 945**

Grade: 11th or 12th

Elective

Prerequisites: Student must participate in the AP selection process including teacher recommendations, a written work product, World History and/or U.S. History grades, and Verbal and Writing PSAT scores.

Quality Points: A = 5

This course will assist students in developing a knowledge of the basic chronology of major events and trends from approximately 1450 (High Renaissance) to 1995. This is a reading-intensive and writing-intensive class. The course will develop an understanding of some of the principle themes in modern European History, an ability to analyze historical evidence, and an ability to express historical understanding in writing. Students are required to take the A.P. European History Test in May. This course meets every day for a one year.

Course Title: Advanced Placement Microeconomics**Course Number: 946**

Grade: 12th

Elective

Prerequisites: Students must participate in the AP selection process including two teacher recommendations (current math teacher and current U.S. History teacher) and Math, Verbal and Writing PSAT scores.

Quality Points: A = 5

This is an advanced course in Microeconomics. This course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of market factors and the role of government in promoting greater efficiency and equity in the economy. The study of microeconomics requires students to understand that, in any economy, the existence of limited resources along with unlimited wants results in the need to make choices. An above average aptitude in math as well as the ability to work independently and in small groups is preferred. Students will be required to take the AP Economics test in May. This class meets every day for one semester.

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