



# **Routt Catholic High School**

## **Curriculum Guide**

**2021-2022**

## Introduction

This guide is an important part of academic planning. Read through it very carefully to plan your schedule. Parents should also read the booklet and participate in discussion with their student. It is important to view all the possibilities before choosing courses for next year. Take note of the course requirements and prerequisites in planning.

Use the four-year program provided at pre-registration. Courses should reflect personal interests and career goals. Check on the requirements for entrance to secondary institutions.

Discuss choices with parents, teachers and guidance counselors before finalizing schedules.

*Note: Courses included in final schedules are subject to scheduling and availability.*

## Course Load and Credit Requirements

1. All students must be enrolled in a minimum of seven (7) credits of study for the year. Freshmen and students who participate in multiple sports activities are encouraged to enroll in a study period.
2. Courses will be taken in the sequence set by the school.
3. Failed courses will be made up at the first available opportunity.
4. Students make up credit lost by repeating the course, attending summer school, or applying for a correspondence course.
5. All courses taken in the summer programs or by correspondence must be recommended by the Guidance Department according to school regulations. Written approval by the principal must be given prior to enrollment.
6. Credit is given by the semester.
7. Students failing first semester of a full-year course may drop the course with an F and be placed in study hall for the remainder of the semester. A different course may be taken second semester. If the dropped course was a requirement, the student must repeat the course. If a course is failed second semester, it may be recommended that the entire year will be repeated. (Credit is issued only once.)

## Graduation Requirements

The number of credits required for graduation from RCHS is 25. The following required courses must be included:

<u>Number of Credits</u>	<u>Course/Department</u>
4	Theology
4	English
3	Social Studies
	1 U.S. History                      ½ Geography
	1 World History
	½ Government
2	Science
3	Math ( <i>Algebra I and Geometry are required</i> )
1	Fine Arts ( <i>Art I, II &amp; III, Drama, Band, Chorus</i> )
1	Physical Education
1	Freshman Skills
½	Consumer Education
½	Health
½	Composition
½	Computer Applications

## College Entrance Requirements

College-bound students must check entrance requirements at individual colleges. Most colleges suggest the following as the minimum preparation for admission:

English	4 years
Science	3 years of Lab Science
Math	3 years of Math, minimum of Algebra II
Social Science	3 years
Foreign Language	2 years of same language

## Student Placement

*Freshmen are placed in appropriate classes according to the following criteria:*

- Placement test scores
- Junior high school standardized test scores
- Junior high school teacher recommendation
- Junior high school grades
- Motivation and work habits of the student
- Parental input

*Sophomores, juniors and seniors are placed in appropriate classes based on the following criteria:*

- Cumulative GPA
- Prerequisite grades (*jointly determined by the department and the school administration*) in subject area of study
- Teacher recommendation
- Motivation and work habits of the student
- Parental input

## Scheduling Procedure

1. Prior to registering, first-year students should view the Routt curriculum guide. This guide is made available to all students and parents via the Routt Website
2. Registration forms and other pertinent information will be given to student during the school day by the guidance counselor. Much of this information is also provided to parents of incoming freshmen during a prescheduled evening meeting. Parents of current students are encouraged to call or meet with the guidance counselor as needed.
3. Students receive their course registration forms from the guidance counselor.
4. Students discuss their course selections with their parents and return their course registration form to school by the designated due date. Forms must be signed by the students' parent(s)/guardian(s). Also, for courses requiring teacher recommendation, the form must be initialed by the appropriate teacher.
5. The guidance counselor meets with current students individually during the school day to discuss their schedules. Parent contact will be made if necessary.
6. Finalized copies of the students' schedules for the following year will be provided by the guidance office before the end of the current school year. Students who return their registration forms by the designated due date will have their final schedules processed first.

## Permanent Record

A permanent record of all semester grades and test scores is maintained for each student. This record includes grades, grade point average, class rank, credits earned, attendance, standardized test scores, activities, honors, and other vital information. When a student needs a copy of the permanent record for college admission, for transferring to another high school, or for job references, the student needs to ask guidance to prepare one for mailing. Such copies are considered official transcripts and are never handled by the students. The first two transcripts are handled free of charge. Additional copies are \$2.00.

## Grade Point Average (GPA)

Students are provided with a weighted GPA. The GPA is calculated by dividing the total number of weighted points by the number of classes taken. The weighted GPA takes into account the grade weighting assigned to classes as well as the grade earned. As the GPA is figured cumulatively through eight semesters, each student is asked to give the best effort from the start of high school. It is mathematically improbable that a GPA will rise dramatically if a student waits until junior or senior year to begin to work academically.

## Grading Scale

Achievement marks are given in letters corresponding to the following percents:

Grade	Percent	Value	Grade	Percent	Value	Grade	Percent	Value	Grade	Percent	Value
A+	98 – 100	4.0	B+	88 – 89	3.4	C+	78 – 79	2.4	D+	68 – 69	1.4
A	93 – 97	4.0	B	83 – 87	3.0	C	73 – 77	2.0	D	66 – 67	1.0
A-	90 – 92	3.6	B-	80 – 82	2.6	C-	70 – 72	1.6	D-	65	.6
									F	<65	
									I	INCOMPLETE	

Grades are determined on the basis of all the work of a particular period: Daily work, assignments, class participation, and quiz and test grades.

Some grades are "weighted" in value. The curriculum guide indicates the weighted values of grades in all courses as part of the course description. Honors and advanced placement (AP) courses use a 5.0/A weighted system. Students are provided with weighted cumulative grade point averages (GPAs). The "Add-on" system will be used to calculate valedictorian and salutatorian ranking. Credit *cannot* be given for the same class twice. Any grade below "C" will not carry an accelerated grade.

## Schedule/Course Changes

### *Requests for Schedule/Course Changes*

1. Course change requests will be considered as designated on the student schedule verification form.
2. A student with serious reason may drop a course at the counselor's discretion, provided the required credits are met for the year. If a course is dropped during the first six weeks of the semester, the course will be dropped from the student's record. If a course is dropped after the sixth week of the semester, the student will receive an "F" for the semester grade.
3. After the school year begins, a request to drop a course will be handled on an individual basis. Before any definitive action is taken, the teacher involved will be consulted in person. Written permission from both the teacher and the parent or guardian will be required.
4. If, in the opinion of the school staff, there is no valid reason for dropping the course, the request will be denied. The following reasons are NOT considered adequate for dropping courses:
  - a. Student finds course harder than expected, though capable of passing.
  - b. Course requires more work (or time) than the student wants to give.
  - c. Remaining in the course would probably lower the student's GPA or class rank.
  - d. Student is no longer interested in the subject matter.
  - e. Student does not get along well with the teacher.

- f. Student wants to be in classes with friends.
  - g. Instructor changed for the course (e.g., during the summer).
5. A teacher's request for student course level change will be considered by the guidance department at any time.
  6. A fee of \$25 will be charged for any student-initiated course changed after the semester has begun. If any correction is needed due to a school error no fee will be assessed.

#### *Procedures for Schedule/Course Changes*

1. The student files a request for schedule change in the guidance office.
2. The guidance counselor checks all requests and assesses fees according to school policies.
3. If the request is a student request, no school error involved, the guidance counselor will follow above-mentioned regulations in allowing/disallowing the course change.
4. If a change is granted, the counselor is responsible for issuing a schedule change form to the student. The student takes this form to all teachers involved, their parents. Completed forms should be submitted to the guidance office.
5. Guidance makes the necessary changes in all school records.
6. The student follows the new schedule once guidance gives final approval.
7. The approved schedule change form admits the student to the class.

*Note: Teachers may file requests for course or level changes with the student's guidance counselor.*

#### **Academic Probation**

Students who have failed a required course or who have a semester grade point average of 1.3 or below will be placed on academic probation. During this time, the students must make special arrangements with the guidance office to ensure that every effort is being made toward academic improvement. Students, who, by lack of effort indicate no desire to improve, may be dropped from the rolls.

#### **Extracurricular Eligibility**

Diocesan policy states: "School-sponsored athletic programs are to be guided by the general curriculum goals of the school and should in no way detract from the academic and religious goals of the school." At Routt, this policy extends to all extracurricular involvement. Students must be in class a minimum of four instructional periods on the day in which they participate in or attend school activities.

Because of the primary importance of academic achievement and good citizenship, students who participate in extracurricular activities are expected to be in good academic and behavioral standing. A student must be passing all academic/behavioral requirements to qualify for elections or tryouts. The following will render a student ineligible: one "F" (academic or elective), one "U" in behavior (academic, elective or study hall). Organizations within the school, however, retain the right to set higher standards than those given above. Some of these include:

Athletics: students must pass *all* classes in which they are enrolled. Any student who receives an F at the weekly eligibility check will be considered ineligible for the following week. If a student has failed a class for a semester, that student will be considered ineligible for the following semester.

Class/Student Council Officers: students must have a minimum cumulative GPA of 2.45 or better; no record of disciplinary probation or suspension during the past year; attendance at a leadership training session.

National Honor Society: students must have a minimum cumulative GPA of 3.5 and demonstrate service, character and leadership. Students may be considered ineligible as a result of academic dishonesty, any major infraction of school policy, disciplinary probation, or drug/alcohol-related instances.

***After tryouts or elections, eligibility is as follows:***

When a student receives a cumulative failing grade at the weekly eligibility check, the student is rendered ineligible to play for one week. Students who are ineligible must attend the after-school study hall for the week of the ineligibility.

***Ineligibility Study Hall Guidelines:***

- Students must report at 2:50 SHARP! (Students not in their seats at 2:50 will be dismissed.)
- Any student who does not report to or is dismissed from study hall will make up the study hall missed/dismised and another study hall will be added.
- Students report with text and work from the subject the ineligibility is in. (Students reporting with no work will be dismissed.)
- Students remain silent throughout the study hall. If there is a need to talk, students must raise their hand for teacher to acknowledge. (Student failing to follow this will receive one warning and then be dismissed.)
- Students may practice during the time they are ineligible unless the teacher(s) want(s) that time to work extra with students.
- Eligibility will be checked each Thursday. On Friday morning, the dean of students/athletic director or principal will notify the coaches and students of the ineligibility which begins the following Monday and lasts for one full week.
- If at the next weekly eligibility check the student has not raised the accumulated failing grade, s/he remains ineligible until the weekly eligibility check reflects a passing grade.
- Any student on the ineligible list will be checked by guidance, and assistance will be offered.
- Students are encouraged to work with instructors to improve their standing.

**Withdrawals**

School transfer requests are taken to the principal. No transcript will be issued or recommendations given by the school until all obligations, financial and otherwise, are met. Interim grades are provided where appropriate.

# COURSE DESCRIPTIONS

## BUSINESS DEPARTMENT

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### **ACCOUNTING AND FINANCE**

**Credit: 1 • Full Year**

**GRADES 11 - 12**

This course will provide instruction covering the areas of accounting and finance. Course instruction will provide students with a foundational understanding of accounting terms and principals, and will provide hands-on experience with accounting documents and reports. Students will follow the accounting cycle as it applies to both a sole proprietorship business as well as a corporation. They will learn to journalize, post, create a worksheet, make adjustments and prepare reports for the financial decision makers of the business. The class is designed to give students a good enough understanding of the concept and practice of accounting so as to make a decision whether or not to continue on in the field as a career path or to utilize the knowledge in their own personal and professional lives. May not be offered each year due to enrollment interest.

### **BUSINESS SKILLS**

**Credit: .50. One Semester**

**Grades 11-12**

This course is designed to allow students to explore the business and work world as an employee would see them. Some of the concepts that will be discussed are career exploration, interviewing, and workplace expectations. Students will get an opportunity to talk with people from the community who currently work in or hire for various positions of interest to them. May not be offered each year due to enrollment interest.

### **COMPUTER APPLICATIONS**

**Credit: .50 • One Semester**

**GRADES 10 - 12  
Required**

Course instruction will cover Microsoft Office. Students will learn the basic, intermediate and some advanced features of these programs through project-oriented lessons. Skills developed in this course are intended to be practical and focus on current secondary education expectations.

### **CONSUMER EDUCATION**

**Credit: .50 • One Semester**

**GRADE 12  
Required**

This course is a study of how we as consumers, by managing our money, time, and energy, can make responsible choices concerning our finances, and resources. Topics we will cover include consumer powers and protections, management skills, income and taxes, financial planning, and making career and college decisions, and responsible choices.

### **INTRO TO COMPUTER PROGRAMMING**

**Credit: .50 - One semester**

**Grades 11-12**

This course will provide an introduction to the ever-changing field of computer programming. Students should have an aptitude for technology, as reflected in the past performance in technology courses. Participation in Web Design is highly recommended but not required. The class will emphasize structure and theory as well as application. Students will use graphical interfaces such as Scratch and Game Maker to master the logic and thought process behind computer programming. Using the genre of game design, students will use drag and drop programs to solve problems and create scenarios in a game environment.

May not be offered each year due to enrollment interest.

**DIGITAL LITERACY AND CITIZENSHIP****Credit: .25 – One Quarter****GRADE 9****Required**

This foundation-level course prepares students to use technology in a proficient and responsible manner in school, in the workforce, and in everyday life. The course contains skills for working in an Internet or networked environment and the knowledge of what it means to be a good digital citizen and the ability to use technology responsibly. Topics include the benefits and risks of sharing information online, and the possible consequences of inappropriate sharing (oversharing). Students explore the legal and ethical dimensions of respecting creative work. Technology use is a vital employability skill for entry-level and upper-level management positions. Students may be provided with the opportunity to seek industry recognized digital literacy certifications.

This course replaced Keyboarding in 2018-19.

**INFORMATIONAL PROCESSING****Credit .50 one semester****GRADES 11-12**

This course will expand skills learned in prerequisite classes into advance levels that will serve students in a college and a work-place environment. Microsoft Office will be used to produce and manipulate business focused letters, reports, spreadsheets, databases and presentations. In addition, the class will introduce office soft skills, such as conflict management, ethical behavior and professional attitude. May not be offered each year due to enrollment interest.

**INTRODUCTION TO WEB DESIGN****Credit .50- One semester****GRADES 11-12**

This course will provide instruction covering the ever-changing field of Website Production. Students should have an aptitude for technology, as reflected in the past performance in technology courses. Building on their skills with Adobe Photoshop CS5, participants will be introduced HTML (Hyper Text Mark-up Language) and will progress to Adobe Dreamweaver CS5. Students will develop multiple webpages culminating in a personal website based on the students' interests. Curriculum will be project-focused and results oriented.

May not be offered each year due to enrollment interest.

**MARKETING****Credit .50 One Semester****GRADES 11-12**

Course instruction will cover the diverse field of Marketing and Advertising through project-based curriculum. Concepts covered will include identity development, branding, marketing campaigns, focus groups and campaign assessments. Skills in Adobe CS5 are helpful but not required for participation. Curriculum will incorporate real-world experience as these opportunities become available.

May not be offered each year due to enrollment interest.

**MULTIMEDIA****Credit .50 One semester****GRADES 11-12**

This course is designed to allow students to explore visual and audio technology through various software and hardware outlets. Some of the concepts that will be discussed are photo manipulation, presentations using different mediums, graphics, sound, desktop publishing, and video creating and editing.

May not be offered each year due to enrollment interest.

**YEARBOOK****GRADES 10 - 12****Credit: 1 • Full Year****Prerequisites:** *Class size is limited to 10 students. Teacher recommendation is required and extracurricular commitments will be taken into consideration.*

Students will be responsible for the design and development of the RCHS Yearbook. Experience and interest in several areas including graphic design, marketing, sales, photography and accounting is desired. A product-focused curriculum will be used to introduce topics such as production, reporting, writing, editing, design and graphics. Course participants are expected to be team players, show extraordinary responsibility and have a strong desire to succeed. A significant amount of out-of-class work will be required for photographing school activities. Students will be graded on their participation in and out of class, as well as their design work.

**ADVANCE PLACEMENT COMPUTER SCIENCE PRINCIPLES****GRADES 11 - 12****Credit: 1 (5/A Grading) • Full Year**

The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

First offered in 2017-18. May not be offered each year due to enrollment interest.

**ENGLISH DEPARTMENT**

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**STUDY SKILLS****GRADE 9****Credit: .25 • One Quarter****Required**

By taking this class, students will strengthen their study skills, resulting in greater learning and higher performance on assignments/tests. Topics we will cover include, time management, memory/study tips, note taking organizational skills, learning styles, and reading/listening tips.

**GRAMMAR SKILLS****GRADE 9****Credit: .25 • One Quarter****Required**

This quarter course is taught at the freshman level. It consists of the intense study of parts of speech, sentence structure, clauses, verbal phrases, mechanics, agreement, and cases. Students will be tested on these concepts throughout the nine-week time frame. ACT prep will also be included for each section.

**RESEARCH SKILLS****GRADE 9****Credit: .25 • One Quarter****Required**

This quarter course is taught at the freshman level to introduce students to the fundamental skills of research. Content will include evaluation of sources, paraphrasing, note taking and drafting a short research paper in proper MLA style. Attention will be given to how to avoid plagiarism.

**ENGLISH I**  
**Credit: 1 • Full Year**

**GRADE 9**  
**Required**

English I is a continuance of literary analysis of novels, short stories, poetry, drama, and nonfiction texts. Longer works include the summer reading novels, Shakespeare's *The Tragedy of Romeo and Juliet*, and *Across Five Aprils*. Students will also be given the opportunity to select texts that they want to read through our Independent Reading Missions (IRMs). Students will consistently work on their academic competence in comprehension, vocabulary, grammar, writing, listening, and speaking.

**ENGLISH II**  
**Credit: 1 • Full Year**  
**Prerequisites:** *English I*

**GRADE 10**  
**Required**

Covers different types of literature: drama (from Shakespeare's *Julius Caesar* to modern), short story, poetry, and novel. Composition, which includes a review of grammar, is coordinated with literature when possible. Students will write a short research paper, and they will write and deliver speeches (expository and persuasive). Spelling and vocabulary are studied on a weekly basis.

**ENGLISH COMPOSITION**  
**Credit: .50 • One Semester**  
**Prerequisites:** *English I*

**GRADE 10**  
**Required**

Being able to write and speak effectively are essential life skills. In this semester course, students will work to improve their writing skills by understanding the 6 +1 traits and the writing process. Students will consider their audience and purpose, strengthen sentence fluency and organization in paragraph structure, improve word choice and voice, follow rules of English conventions, develop and support a thesis, practice scholastic honesty and academic integrity while producing cohesive narrative, expository, and argumentative works, along with poetry, a short story, and other creative texts. Oral communication skills will also be enhanced through speeches and presentations.

**ENGLISH III**  
**Credit: 1 • Full Year**  
**Prerequisites:** *English II*

**GRADE 11**

This course is a survey of American literature from indigenous cultures to the Twentieth Century. Students will study various genres (including the novel) related to American literature, as well as concentrate on vocabulary development, correct spelling, and written composition. Students are expected to complete projects over each epoch studied, focusing on oral and written communication, literary analysis, and creative fiction. In addition, students will read and study Fitzgerald's *The Great Gatsby*, and Arthur Miller's *The Crucible*. The course is designed to prepare students for success with standardized testing and college entrance readiness.

**HONORS ENGLISH III**  
**Credit: 1 (5/A Grading) • Full Year**  
**Prerequisites:** *English II; B average; teacher recommendation*

**GRADE 11**

This course is an advanced American literature course that spans literary periods from the early Nineteenth Century to the Twentieth Century. Students will study in-depth various genres of American literature, as well as Shakespeare's *Hamlet*. Literary theory and analysis will be introduced to prepare students for the literary research paper. The purpose of this course is to prepare students for Advanced Placement English IV.

**ENGLISH IV****GRADE 12****Credit: 1 • Full Year****Prerequisites:** *English III*

This course is a survey of British literature from Anglo-Saxon times to the Twentieth Century. Students are introduced to various genres (including the novel). Emphasis will be on reading, vocabulary development, literary analysis, composition, and research. Students will study a Shakespearean play, read Mary Shelley's *Frankenstein*, and write a research paper. This course is designed to prepare students for college-level work.

**ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION****GRADE 12****Credit: 1 (5/A Grading) • Full Year****Prerequisites:** *Honors English III; B average; teacher recommendation*

This course is a **college-level** course that emphasizes critical thinking, literary analysis, criticism, and research, all of which are designed to foster academic skills for college. Students will study a variety of literary works and genres from British, American, and world traditions and will engage in critical analyses, discussion, and research, as well as composition. Each literary genre will be studied in-depth, and students will participate in group discussions and seminars in small and large groups. Students will keep a reading journal, and they will write impromptu, timed, and formal essays on some aspects of these genres as well as an in-depth explication of a poem. Revision, sometimes multiple times, will be a key aspect in many of these writings. A critical research/analysis paper is a required component of this course. Time management is essential, since there will be a minimum of one hour per night homework, including weekends.

**FINE ARTS DEPARTMENT**

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**ART I****GRADES 9 - 12****Credit: .50 or 1 • Semester or Full Year****Prerequisites:** *none*

This is a studio art and lecture course with emphasis on drawing, painting and design. Media used include pencil, charcoal, acrylic paint, and watercolor. Subject matter may receive realistic or abstract treatment, depending upon the project goal. Students will attend local art exhibits.

**ART II****GRADES 10-12****Credit: .50 or 1 • Semester or Full Year****Prerequisites:** *one year of Art with a grade of B or higher*

This is a second-year studio art course for students who have completed an introductory course in drawing and design. Media available include pencil, charcoal, ink, watercolor, pastels, and torn, cut or folded paper, acrylic paint, clay, and found or natural objects. In addition, students will complete art history assignments and attend local art exhibits.

**ART III****GRADES 11-12****Credit: .50 or 1 Semester or Full Year****Prerequisites:** *Art II and teacher recommendation*

Students will begin to focus on creating a portfolio for college and working as a studio community. This class also focuses on writing about art both in and outside the classroom.

**ART 101 ART APPRECIATION ( 3 college credits)  
Credit .50-- one semester course (5/A Grading)**

**GRADES 11-12**

Art Appreciation is an introduction to the appreciation of the visual arts. This course examines important examples of visual art drawn from a wide variety of media and cultures. The focus is on helping students understand and appreciate how visual art works are made and how they function and communicate within their societal contexts. This course is not for Art majors. 11 (3 lecture hours)

**BAND**

**GRADES 9 - 12**

**Credit: .50 • Full Year, Alternate days**

**Prerequisites:** *None*

Band is an elective music class that stresses instrumental performances. The Band performs at selected home football and basketball games, Christmas and other concerts, and at Mass and recitals. Advanced students may audition for the All-District and All-State competitions. Participation in the IHSA solo and ensemble contest is encouraged. Emphasis is placed on individual and small group instruction. Music fundamentals are taught primarily through preparation for performance, but ear training, theory, listening activities, conducting and leadership opportunities are integrated into the curriculum. A wide variety of musical styles are explored. Improvement, rehearsal skills and attendance are the major evaluation factors. *NOTE: Beginning band instruction is available.*

**CHORUS**

**GRADES 9 - 12**

**Credit: .50 • Full Year, Alternate days**

**Prerequisites:** *None*

Chorus is an elective music class that stresses vocal and choral performances. Participation in IHSA solo and ensemble contest is encouraged. Emphasis is placed on individual and small group instruction. Music fundamentals are taught primarily through preparation for performance, but ear training, sight reading, theory, listening activities, conducting and leadership opportunities are integrated into the curriculum. Improvement, rehearsal skills and attendance are the major evaluation factors. Students at all levels of skill, including beginning students, are accepted.

**DRAMA & THEATRE**

**GRADES 9 - 12**

**Credit: 1 • Full Year**

**Prerequisites:** *None*

This course introduces students to the basics of the craft and art of theatre through firsthand experience, reading, viewing, terminology and theatre games. Students will work together as an ensemble to produce two full length shows (the fall show generally being a light comedy and the spring show most often a more serious drama). Students will learn proper stage technique, vocabulary, set design, methodology and will be exposed to various forms of theatre. This course may be repeated.

## **FOREIGN LANGUAGE DEPARTMENT**

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**SPANISH I**

**GRADES 9 - 12**

**Credit: 1 • Full Year**

**Prerequisites:** *Above average ability; good/excellent English skills*

Spanish 1 introduces the student to the basic grammar and vocabulary of the language and to the culture, history, and geography of the regions being studied. These goals will be achieved using reading, writing, speaking, and listening skills.

**SPANISH II****GRADES 10-12****Credit: 1 • Full Year****Prerequisites:** *Above average ability; good/excellent English skills; successful completion of Spanish I with a grade of "C" or better*

Spanish II is a continuation of the concepts covered in Spanish I. New grammatical tenses will also be covered and incorporated with prior tenses. Reading, writing, speaking, and listening skills will be improved upon.

**SPANISH III****GRADES 10-12****Credit: 1 • Full Year****Prerequisites:** *Above average ability; good/excellent English skills; successful completion of Spanish II with a grade of "C" or better*

This course is a continuation from Spanish II in which students will complete most of the major grammar concepts and a greater emphasis will be placed on individual expression, both verbal and written. In addition, students will read authentic works such as poetry and newspaper/magazine articles.

**SPANISH IV****GRADES 11-12****Credit: 1 (5/A Grading) • Full Year****Prerequisites:** *Above average ability; good/excellent English skills; successful completion of Spanish III with a grade of "B" or better*

This course is a continuation from Spanish III in which students will review and complete the major grammar concepts and focus on some of the fine points of the language. It requires a very high and consistent level of applied study and demands mastery and retention of material. An even greater emphasis will be placed on individual expression, both verbal and written. In addition, students will read authentic works by major Hispanic authors.

**MATH DEPARTMENT**

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**PRE-ALGEBRA****GRADE 9****Credit: 1 • Full Year****Prerequisites:** *None*

This course will focus on basic math skills: operations with whole numbers, decimals, fractions, percentages and first degree equations. Topics will include graphing on the coordinate plane, use of a calculator, data analysis, basic geometric figures, measurement, and word problem strategies. Pre-Algebra is designed to lay a foundation for success in Algebra and Geometry later in the student's high school career.

**ALGEBRA I****GRADES 9 - 10****Credit: 1 • Full Year****Prerequisites:** *Pre-algebra; test scores; teacher recommendation*

This course is basic study of algebraic concepts with focus on signed numbers, integers, exponents, and solving equations. It also includes introduction to linear equations in two unknowns and factoring polynomials. In preparation for science courses, students will work with scientific notation, ratio, percent, variation problems, and unit conversion.

**GEOMETRY****GRADES 9 - 11****Credit: 1 • Full Year****Prerequisites:** *Algebra I; test scores; teacher recommendation*

This course is for the average and above average student who will learn the basic structure of geometry as it applies to triangles, parallel lines, circles, and other polygons. The course emphasizes use of practical examples and geometric visualization for life applications.

**ALGEBRA II****GRADES 10-12****Credit: 1 • Full Year****Prerequisites:** *Algebra I; Geometry; teacher recommendation*

This course is an extension of the skills learned in Algebra I. The topics developed are more intense with additional work with quadratic equations and their graphs, and rational and radical equations, linear and non-linear graphing, logarithms and probability.

**MATH IV****GRADES 11-12****Credit: 1 • Full Year****Prerequisites:** *Algebra II; Teacher Recommendation, 3.0 overall grade point average*

This course is for the college-bound student. It deals with linear relations, equation theory, exponential functions, permutations and combinations, sequences and series, trigonometric functions and introduction to probability and statistics. Emphasis is placed on understanding mathematical concepts and theory.

**STATISTICS****Grade****12****Credit 1 –Full year****Prerequisites: Algebra II**

Statistics is designed to introduce students to tools and processes for collecting, analyzing, and interpreting data. Topics include, but are not limited to: data, sampling and experimental design, probability, random variables, and statistical inference.

**MAT 131 CALCULUS AND ANALYTICAL GEOMETRY I****Grade: 12****Credit: 1 (5/A Grading) full year****Prerequisites: Dual credit College Algebra and College Trig C or better in College Alg and Trig**

This is the first course of a three-semester sequence. Topics may include (but are not limited to): limits and continuity; definition of derivative; derivatives of polynomial and rational functions; the chain rule; implicit differentiation; approximation by differentials; higher order derivatives; Rolle's Theorem; Mean Value Theorem; derivative applications; anti-derivatives; definite integrals; the Fundamental Theorem of Calculus; area, volume and other applications of the integral. (5 lecture hours)

**MAT 113 College Algebra (Dual credit)****Grade 11-12****Credit 1 (5/A Grading) full year****Prerequisites:** *Algebra II; Teacher Recommendation, 3.0 overall Grade Point average*

This course centers on the exploration of various algebraic functions, including polynomial, rational, exponential and logarithmic functions. The properties, graphs and inequalities of these functions are analyzed and applications of their use are studied. Other topics include systems of equations, matrices, conic sections, sequences and series. A TI graphing calculator will be used throughout the year. (4 lecture hours)

**MAT 120 Trigonometry (Dual Credit)****GRADES 11-12****Credit: .50 (5/A Grading) One semester****Prerequisites:** *Algebra II; Teacher Recommendation, 3.0 overall Grade Point average*

In this course the trigonometric functions are defined, important relationships between them are established, and their graphs are studied in detail. The inverse trigonometric functions are defined, trigonometric equations are solved, and identities are proved. The course material will be applied to a variety of problems. (3 credit hours)

## PHYSICAL EDUCATION DEPARTMENT

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**NOTE: No more than 1 Physical Education credit can be applied to GPA for graduation. This does not include Health.**

### PHYSICAL EDUCATION

**GRADES 9 - 12**

**Credit: 1 • Year**

**Prerequisites:** *None*

Physical Education includes games and sports involving students in team and individual situations. Students will increase their physical and cognitive skills through exercise and participation in drills, games while learning the rules and regulations of each activity. Students will learn the value of sportsmanship, teamwork, and competition. Physical Education will be based on life-long learning to promote good health and an active lifestyle. Classes will participate in units of softball, flag football, volleyball, basketball, bowling, tennis, badminton, pickle ball, fitness training, weight training and various leisure activities.

### MIND, BODY, & SPIRIT

**GRADES 9-12**

**Credit: .50 or 1 • Semester or Full Year**

**Prerequisite:** *Teacher approval*

This course introduces the student to disciplines and techniques which integrate body, mind and spirit. Primary practice will consist of yoga exercises with meditation. Students will increase their flexibility, muscle tone, balance and concentration. The students will research, create, and implement lessons for the rest of the class. Cognitive assessments will be included with the class.

May not be offered each year due to enrollment interest.

### STRENGTH AND CONDITIONING

**GRADE 10-12**

**Credit: .50 or 1 • One Semester or Full Year**

Strength and Fitness is offered to males and females as an early bird course only. This course works with students to develop custom work-outs for creating strength, endurance, and physical fitness. Proper technique will be reinforced throughout the course. *Sophomores will not be allowed early out, 8<sup>th</sup> period.*

### HEALTH

**GRADE 9**

**Credit: .50 • One Semester**

**Required**

Health class is based on a student-centered approach to health. This course will center on issues relevant to the needs of high school-aged students. Drugs, alcohol, stress, tobacco, personality, and sex education will be specifically discussed. First Aid, safety, cancer, AIDS, and infectious diseases are also covered. Current health issues are also discussed to round out this course.

## SCIENCE DEPARTMENT

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### BIOLOGY I

**GRADES 9-10**

**Credit: 1 • Full Year**

This course is a basic study of biology with emphasis on the principles and features common to all life, as well as information about the diversity of process and structures. It also provides an understanding of how a scientist conducts an investigation; the basics of classification and the characteristics of the six kingdoms of life; an introduction to the structure and function of plant and animal cells, analyze and determine how the structure of DNA enables it to reproduce itself accurately, sequence the steps involved in protein synthesis with emphasis on RNA/DNA, genetics with emphasis on dominant, co-dominant and incomplete dominance; experiences in using microscopes, using a dichotomous key for classification,

punnet squares for genetic problems.

### **INTEGRATED SCIENCE**

**GRADES 11-12**

**Credit: 1 • Full Year**

**Prerequisites:** *Biology*

This course draws upon the principles of several scientific specialties-earth science, physical science, biology, chemistry, and physics-and organizes the material around thematic units. Themes covered include systems, models, energy, patterns, change, and constancy. This course uses appropriate aspects from each specialty to investigate applications of the theme. This class is required for any student who does not register for chemistry by their junior year

### **CHEMISTRY**

**GRADES 10-12**

**Credit: 1 • Full Year**

**Prerequisites:** *Algebra II or Concurrent Algebra II*

The purpose of this course is to familiarize the student with the fundamental principles in the science of chemistry. Emphasis is placed on the atomic theory, the mole concept, chemical reactions, chemical equations, physical and organic chemistry and proper laboratory techniques.

### **ANATOMY & PHYSIOLOGY**

**GRADES 10-12**

**Credit: 1 • Full Year**

**Prerequisites** *Biology I with no grade lower than a B or teacher recommendation.*

This course is a laboratory course which is a study of systems of the body, their location, their function and their relations to each other studied in detail. A DISSECTION OF A FETAL PIG IS REQUIRED. (This course will be offered every other school year (2012-13, 2014-15, 2016-17, etc.).

### **BOTANY**

**GRADES 10-12**

**Credit: .5 • One Semester**

**Prerequisites:** *Biology I with no grade lower than a B or teacher recommendation.*

This course is a laboratory course which includes the study of the general structure and function of plant cells, tissues and organs. Taxonomic principles, importance of the plant kingdom, relations of plant to their environment and orientation to the local fall flowers and fall leaves. This course will be offered every other year school year

### **ZOOLOGY**

**GRADES 10-12**

**Credit: .5 • One Semester**

**Prerequisites:** *Biology I with no grade lower than a B or teacher recommendation.*

This course is a laboratory course which includes the study of invertebrates to vertebrates along with their structures, physiology, and identification. The book, *Cry of the Kalahari*, will be required reading. An insect collection will also be required. Course includes extensive dissection.... PARTICIPTION IN DISSECTION IS REQUIRED. This course will be offered every other year school year

### **PHYSICS HONORS**

**GRADE 12**

**Credit: 1 (5/A Grading) • Full Year**

**Prerequisites:** *Biology I, Chemistry, Math 4 or Concurrent Math 4*

This course is a basic study of the fundamental laws of mechanical physics with a focus on the problem-solving approach to measurement, motion, forces, vectors, universal gravitation, momentum, work, energy, simple machines, waves, sound, light, and engineering-based projects.

# SOCIAL STUDIES DEPARTMENT

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## **GEOGRAPHY**

**Credit: .50 • One Semester**

**GRADE 9  
Required**

This course will help students have a better understanding of the way places on the earth differ and the ways people organize themselves and use the earth's resource. Students will also learn the location of these places and the relationships between people and their environments. Areas of study may include Europe, Russia and central and southern Asia, and the Middle East and North Africa.

## **WORLD HISTORY**

**Credit: 1 • Full Year**

**Prerequisites:** *Geography*

**GRADE 10**

This survey course places emphasis on ancient cultures, the Middle Ages, the transition to modern time, the rise of Nationalism, the Age of Imperialism, the World Wars, and the major events of the twentieth century. The course deals with sociology, economics, philosophy, psychology, science and the arts.

## **U.S. HISTORY**

**Credit: 1 • Full Year**

**Prerequisites:** *World History*

**GRADE 11**

This course covers the history of the United States and the people who have shaped our nation. Students will study Colonial America, the events surrounding the Civil War, the reuniting of our nation, and the rise of America as a world leader. An insight into the people and places of importance are developed throughout this course.

## **ADVANCED PLACEMENT U.S. HISTORY**

**Credit: 1 (5/A Grading) • Full Year**

**Prerequisites:** *B average in previous social studies classes and teacher recommendation*

**GRADE 11**

This course will be a more detailed study of U.S. History. The course will focus on the cause and effect of events that shaped our nation including the American Revolutionary period, the antebellum and Civil War periods, and World Wars I and II through modern times. The student will develop skills in map reading, critical thinking, questioning techniques, research writing, and creative writing. (Students have the option of taking the AP exam to earn college credit.)

## **PSYCHOLOGY**

**Credit: .50 • One Semester**

**GRADES 11-12**

This semester course includes the study of human development from birth to old age, the processes of learning and remembering, the history of psychology, and the study of personality theories, disorders, and therapies.

## **SOCIOLOGY**

**Credit: .50 • One Semester**

**GRADES 11-12**

This is a one-semester course that addresses the history and growth of society. Students will learn the factors that affect personality development and the emergence of the self. Focus will be given to adolescence with emphasis on the adult years. Discussion on deviance, its theories, crime, and the criminal justice system are given further attention.

## **GOVERNMENT**

**Credit .50 • One Semester**

**Prerequisites:** *U.S. History*

**GRADE 12**

This is an excellent course for an in-depth study of federal, state, and local government. Citizenship in the home, school and community is emphasized. The course allows for great flexibility and deals with improving life for all America. The Illinois and United States Constitution tests, required for graduation, are taken in this class. Current events are discussed.

# THEOLOGY DEPARTMENT

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## **THEOLOGY I** **Credit: 1 • Full Year**

**GRADE 9**  
**Required**

This is a two semester course in which students will gain an understanding of basic Catholic beliefs and an appreciation of the personal meaning of the Catholic heritage. Content will include study of Jesus, the Church, Scriptures, tradition, the sacraments, prayer and spirituality, and the liturgical year. The course uses the Old and New Testament, the Creed and the Catechism of the Catholic Church as the basis for discussing doctrines of the Catholic Church and the textbook, *The Light of Faith*, by Harcourt Religion Publishers. The second semester is a continuation of first semester Theology I. Themes of both semesters are interwoven and connected; both utilize visual arts as much as practical. Content will include: the Blessed Virgin Mary, the Apostles and Saints, the Canon of the Bible, non-Canonical Gospels and writings, the early Church and Church Fathers, recent biblical archeological discoveries, abortion and other contemporary social-moral issues including chastity.

## **THEOLOGY II-A (OLD TESTAMENT)** **Credits: .50 • One Semester**

**GRADE 10**  
**Required**

This course provides an introduction to the Hebrew Scriptures with emphasis on the Pentateuch. The Old Testament writings will be studied from their historical, literary, and theological viewpoints with consideration of the relevance of the text for contemporary living. The course will help students understand the value of the Hebrew Scriptures as a source of revelation for encountering Jesus Christ and the mystery of God.

## **THEOLOGY II- B (MORALITY)** **Credits: .50 • One Semester**

**GRADE 10**  
**Required**

The first semester of sophomore year focused on the Hebrew Scriptures with an emphasis on God's Covenant with His people. Christian Morality is, in a sense, a continuation of the study of that Sacred Covenant and how we are called as God's holy people to keep the Covenant. The goal of this course is to introduce students to the theology of Christian moral thought and action. Modern moral issues will be explored in the context of current Church teachings. Through this study, the students will gain a deeper understanding of the value of Christian morality in their lives.

## **THEOLOGY III-A (NEW TESTAMENT)** **Credits: .50 • One Semester**

**GRADE 11**  
**Required**

This course provides an introduction to the Christian Scriptures with emphasis on the Gospels. The New Testament writings will be studied from their historical, literary, and theological viewpoints with consideration of the relevance of the text for contemporary living. The course will help students understand the value of the Christian Scriptures as a source of revelation for encountering Jesus Christ and the mystery of God.

## **THEOLOGY III-B (SOCIAL JUSTICE)** **Credit: .50 • One Semester**

**GRADE 11**  
**Required**

This course seeks to form young people who not only know how the Scriptures and Catholic social teaching call them to justice, but who possess the ability and desire to respond to that call in their daily life. The course will be organized around the following themes: 1) Respect for the dignity of each human person flows from the fact that all people are created in the image of God; 2) Created in the image and likeness of God the Trinity, human beings are created to be in relationship—with God, self, other people and creation; 3) Injustice is ultimately rooted in original sin, the tendency to assert one's own will over and against the will of God; 4) Love of God and neighbor is the organizing principle of the Christian vision of justice; and 5) The seven themes of Catholic social teaching form the heart of the Catholic church's social teaching that examines human society in light of the Gospel and church Tradition, for the purpose of guiding Christians as they carry on the mission of Jesus in the world.

**THEOLOGY IV – (CHURCH HISTORY)****GRADE 12****Credit: .50 • One Semester**

The Church History course is designed to investigate the development of the Church's teaching and practice. Church history covers the historical life and meaning of the People of God from the time of Christ to the present. Major points in Church History include: Pentecost, Council of Nicaea and the Ecumenical Councils, Medieval Christianity, Protestant Reformation, Enlightenment and the response of the Church, and Second Vatican Council and the modern Church. This course also covers the sacraments of the Church and importance of the sacramental life. Study of Sacramental theology will encompass the prayer life, liturgy, and the role of the sacraments in the choice of vocation. The intended result of this course is to deepen student appreciation for the history of the Church, as well as allow each student to understand their own role in the Church's unfolding life.

**THEOLOGY IV-B (SACRAMENTAL THEOLOGY)****GRADE 12****Credit: .50 • One Semester**

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. Students study an overview of the world's major religions as compared to Christianity. Emphasis is given to the impact of these religions on the student's world today.