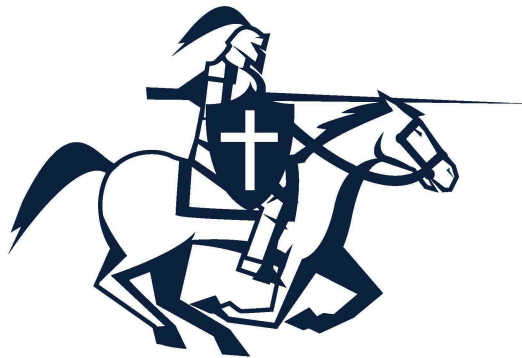


COURSE DESCRIPTIONS

2024 -2025



COLUMBUS CATHOLIC HIGH SCHOOL

710 S Columbus Avenue
Marshfield, WI 54449
Central Office – (715) 387-1177

Mission Statement

Columbus Catholic Schools are dedicated to excellence in Catholic education, founded in the love of Jesus Christ, and designed to instill in our students faith, knowledge, and a desire to serve others.

Philosophy

Columbus Catholic Schools are committed to the education, development, and spiritual formation of our students. Within the context of the Gospels and the teachings of the Catholic Church, we believe we are called to....

- 1. Faithfully teach Catholic doctrine and nurture in our students an abiding love of the Catholic faith through participation in religious instruction, prayer, devotions, and the Sacraments, particularly the celebration of the Liturgy, preparing each to take his/her place as the Church leaders of tomorrow.*
- 2. Carry out the educational ministry of the Catholic Church by providing a quality, affordable Catholic education to all those children entrusted to our care, regardless of race, creed, or socio-economic status.*
- 3. Fulfill the academic needs of each individual student through a curriculum and through teaching methods that encourage and enable each student to reach his or her maximum potential in all areas, placing an emphasis on nurturing a sense of responsibility to develop God-given gifts to their fullest.*
- 4. Prepare our students to meet the academic, spiritual, and moral challenges of the future by providing opportunities to develop Christian values and the skills of critical thinking that will be the basis for future decision-making, growth, and development.*
- 5. Provide an atmosphere of love and compassion for each individual student, offering them a sense of belonging and respect in order to foster their growth as caring, responsible, and confident Christians inspired to loving service of God and neighbor.*
- 6. Help each student learn to appreciate and respect the rights and differences of others so that at school, at home, and in the community, they might act as true Christians who nobly grace our society with peace.*
- 7. Provide a safe, nurturing environment with clear expectations for behavior and decorum, based on the Christian model of peace and respect, and compassionate to the developmental, social, and emotional needs of each student.*
- 8. Provide a variety of opportunities in athletics and other extra-curricular and co-curricular activities in order to allow our students to explore diverse areas of personal interest and fulfillment.*

RECOMMENDED CLASSES BY GRADE LEVEL

GRADE 9

| | |
|---|--|
| Theology: (1 credit) | Old Testament (.5 cr.) and New Testament (.5 cr.) |
| English: (1 credit) | Literature/Composition I Literature/Composition I Honors |
| Social Sciences: (.5 credit) | Geography |
| Mathematics: (1 credit) | Pre-Algebra I* Algebra I Algebra I Honors Geometry Geometry Honors |
| Science: (1 credit) | Biology I Biology I Honors |
| Physical Education: (.5 credit) | Physical Education I |
| World Language: (1 credit) | Spanish I or II |

GRADE 10

| | |
|---------------------------------------|---|
| Theology: (1 credit) | Fundamental Theology (.5 cr.) and Sacramental Theology (.5 cr.) |
| English: (1 credit) | Literature/Composition II Literature/Composition II Honors |
| Social Sciences: (1 credit) | World History AP World History: Modern |
| Mathematics: (1 credit) | Algebra I Basic Geometry* Geometry Geometry Honors Algebra II |
| Science: (1 credit) | Applied Physical Science Chemistry I Chemistry I Honors |
| Health: (.5 credit) | Health |
| Speech: (.5 credit) | Speech |
| World Language: (1 credit) | Spanish II or III |

* This Math course does not count towards admission requirements of four-year colleges.

The Advanced Placement (AP) examinations are administered every year in early May by *The College Board*, the same company that brings us the PSAT/NMSQT and SAT. Doing well on an AP Exam may qualify the student for placement in an advanced course in college, which may result in lower tuition costs and earlier college graduation. See the website <http://www.collegeboard.com/student/testing/ap/about/html> for more information.

RECOMMENDED CLASSES BY GRADE LEVEL

GRADE 11

| | |
|---|--|
| Theology: (1 Credit) | Moral Theology I (5 cr.) and Moral Theology II (.5 cr.) |
| English: (1 credit) | Literature/Composition III Literature/Composition III Honors |
| Social Sciences: (1 credit) | U.S. History AP U.S. History I |
| Mathematics: (1 credit) | Basic Geometry* Geometry Algebra II Algebra II Honors Consumer Mathematics* Pre-Calculus Honors Trigonometry (.5 cr.) Adv. Functions & Stats (.5 cr.) |
| Science: (1 credit) | Anatomy & Physiology AP Chemistry Chemistry II Honors Introduction to Physics (.5 cr.) Physics Honors AP Physics 1 & 2 |
| Business: (.5 credit) | Personal Finance (.5 cr.) |
| Physical Education: (.5 credit) | Physical Education II (.5 cr.) Lifetime Sports (.5 cr.) Team Sports (.5 cr.) Strength Training (.5 cr.) |

GRADE 12

| | |
|---|---|
| Theology: (1 credit) | Spiritual Theology/Stewardship |
| English: (1 credit) | Literature/Composition IV English 12 AP Literature & Composition |
| Social Sciences: (1 credit) | Government (.5 cr.) and Social Studies elective (.5 cr.) AP United States History I AP United States History II |
| Mathematics: (1 credit) | Algebra II Consumer Mathematics* Pre-Calculus Honors AP Calculus AB Trigonometry (.5 cr.) Adv. Functions & Stats (.5 cr.) |
| Science: (1 credit) | Anatomy & Physiology Introduction to Physics (.5 cr.) Physics Honors AP Physics 1 & 2 AP Biology AP Chemistry Chemistry II Honors |
| Physical Education: (.5 credit) | Physical Education II (.5 cr.) Lifetime Sports (.5 cr.) Team Sports (.5 cr.) Strength Training (.5 cr.) |

* This Math course does not count towards admission requirements of four-year colleges.

The Advanced Placement (AP) examinations are administered every year in early May by *The College Board*, the same company that brings us the PSAT/NMSQT and SAT. Doing well on an AP Exam may qualify the student for placement in an advanced course in college, which may result in lower tuition costs and earlier college graduation. See the website <http://www.collegeboard.com/student/testing/ap.about/html> for more information.

GRADUATION REQUIREMENTS

The requirements listed below either meet or exceed the standards set by the North Central Association of Secondary School and Colleges (NCA) and the Wisconsin Department of Public Instruction.

DEPARTMENT

| | |
|--------------------------------|------|
| THEOLOGY | 4.0 |
| ENGLISH | 4.0 |
| SOCIAL SCIENCES | 3.5 |
| MATHEMATICS | 3.0 |
| SCIENCE | 3.0 |
| PHYSICAL EDUCATION | 1.5 |
| HEALTH | 0.5 |
| PERSONAL FINANCE | 0.5 |
| FINE ARTS (Music/Art/Culinary) | 0.5 |
| SPEECH | 0.5 |
| WORLD LANGUAGE | 2.0 |
| ELECTIVES | 5.0 |
| <hr/> | |
| TOTAL | 28.0 |

A minimum of 8.0 credits are required per student per year.

**The administration reserves the right to cancel a course due to insufficient enrollment in that course.*

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LANGUAGE ARTS DEPARTMENT

LITERATURE /COMPOSITION I

Grade 9

1.0 Credit

This course covers short stories, novels, and plays. Writing skills will be stressed and will tie in with the study of literature. The course also includes work on vocabulary, grammar usage, critical thinking, and independent reading. Students will be evaluated using a variety of assessments including, essays, homework, class participation, discussion, and projects. Additional time may be scheduled for students who need extra help.

LITERATURE /COMPOSITION I HONORS

Grade 9

1.0 Credit

Prerequisite: In order to ensure a student is prepared for the rigor of a high school honors level course and that he/she will be successful with the increased demands of such courses. Interested students **MUST** complete the honors class application which has sections for the parents, the student, and the faculty to complete. While all 8th grade core teachers may be asked for input in completing the faculty portion of the application, the 6-12 Language Arts/English Department will make the final decision based on the following aspects included on the application:

- Student's quarterly grades in 8th grade language arts and STAR test results (*please note that A or B grades do not guarantee admission into honors as 8th grade language arts offers more differentiation/accommodations than an honors level high school course*)
- Student's performance as an independent learner; his/her motivation in the discipline
- Student's skill level in analysis, synthesis, and evaluation in core classes
- Student's writing skills across the core curriculum
- Student's study habits, group work ethic, and effort level/completion of work in all courses
- Student's level of responsibility and efforts to communicate when absent or when struggling with material

This course is intended for students with high reading, writing, and speaking ability. It aims to provide challenging growth in language usage (vocabulary and grammar), reading analysis, and writing skills. Throughout the year, writing is integrated with the reading of literature including short stories, novels, and plays. Course work will also include grammar and vocabulary study, and independent reading.

Students will be evaluated using a variety of assessments including essays, homework, class participation, and discussion, and projects.

LITERATURE /COMPOSITION II

Grade 10

1.0 Credit

Approval of the English Department.

This course covers short stories, poetry, novels, and plays. Literature/Composition II is a continuation of the freshman program, with further development of paragraph and essay writing. In addition, there is a unit of vocabulary building that stretches throughout two quarters and is covered in conjunction with several other units. Students will be graded through a variety of assessments, including tests, quizzes, projects (both individual and group), essays, journaling, and daily homework. Additional time outside of class may be scheduled for students who need extra help.

**LITERATURE /COMPOSITION II
HONORS**

Grade 10

1.0 Credit

Prerequisite: Students must complete the honors class application. Students must have maintained an overall grade average of “B” or better in Literature/Composition I Honors or “A” in Literature/Composition I and have approval of the English Department.

This course is comparable to the regular Literature/Composition II course (basic curriculum and assessments are the same), but the honors level moves at a faster pace, may cover several different novels, and emphasizes a deeper study of thematic development, character analysis, plot, and stylistic devices in different genre. Students at the honors level are also assigned several more essays and individual projects. Students must demonstrate “advanced” reading and writing skills and expect to read and work in greater quantities than the Literature/Composition II student.

LITERATURE /COMPOSITION III

Grade 11

1.0 Credit

Prerequisite: Approval of the English Department

This is a comprehensive integration of literature, language, and composition, with emphasis on classical, traditional, and modern American authors. The course will include responses to the literature in oral and written forms. Additional time outside of class may be scheduled for students who need extra help. Students will also write a research paper, a resume, and college application essays as well as prepare for standardized testing (ACT).

**LITERATURE /COMPOSITION III
HONORS**

Grade 11

1.0 Credit

Prerequisite: Students must complete the honors class application. Students must have maintained an overall grade average of “B” or better in Literature/Composition II Honors or “A” in Literature/Composition II and approval of the English Department

This course is designed for the advanced student in language arts at the junior level. This course surveys classical, traditional, and modern American authors and requires students to respond through oral and written forms. Students in this course cover additional and more challenging materials than the Literature/Composition III course. Students must demonstrate advanced reading and writing skills and expect to read and work in greater quantities than the Literature/Composition III student. Students will also write a research paper, a resume, and college application essays as well as prepare for standardized testing (ACT).

Prerequisite: Approval of the English Department

This course is a culmination of the skills that students have been developing in the previous three years of high school. During the first semester, we focus on the process of Shared Inquiry which requires students to read, analyze, discuss, and write about literature to find an interpretation supported by the text. During the second semester, we focus on a wider variety of literature, but with the same purpose. Overall, students will think critically and analytically while using both oral and written communication skills in order to clearly convey their thoughts about the literature. Individual help will be given to each student on writing and grammar in order to pinpoint specific strengths and weaknesses in his/her abilities. Students will be expected to comprehend what they read and to find meaning in it. They should be able to dialogue with literature and share ideas on a mature, intellectual level. They should also be able to express these ideas clearly, concisely, accurately, deeply, logically, and in a way that is relevant to their lives.

SPEECH

Grade 10

0.5 Credit

The important life skill of communication is stressed through the study and development of public speaking skills, vocal expression, and non-verbal communication. Students will prepare, research, outline, write, and deliver various types of speeches as well as view/listen to famous speeches from history. Listening and communicating with others, along with self evaluation of speeches, are also included in the course. A speech textbook will be read throughout the course, and quizzes and written assignments will be part of the work completed.

WRITER'S WORKSHOP

Grades 10, 11, 12

0.5 Credit

This course focuses on improving student skills in critical reading and expository writing. Instruction and evaluation will emphasize ideas and content, organization, word choice, voice, sentence fluency, conventions, editing and research. Students will be expected to keep a journal, develop a writing portfolio, and participate in workshop and editing activities. **Recommended for students in grades 10-12 who would like to improve basic writing skills.*

CREATIVE WRITING HONORS

Grades 11, 12

0.5 Credit

Prerequisite: Students must complete the honors class application. Students must have maintained a "B" average in previous year's English course(s) and have approval of the Creative Writing Honors instructor(s).

In this course the student will write poetry, short fiction and nonfiction, dialogues/plays, and, if students are so inclined, novels. It will be a workshop-style class with peer critiquing. Grading is determined by deadlines, production, progression of writing skills, and effort. Students are allowed to take this course several times if they desire.

ENGLISH 12

Grade 12

1.0 Credit

This course is not offered every year; it is offered when the English Dept. Head determines a need for it.

Prerequisite: Enrollment in the course must be approved of the English Department.

This course is intended for seniors who would benefit from a modified English class. The goal of the course will be to prepare students in the areas of reading, writing, speaking, listening, teaming, and using media and technology for English courses geared toward students who are either a) planning to enroll in a technical/two-year school or b)

planning to go directly into the workforce after high school graduation. This course would also be an option for students who would benefit from a slower paced and lower-intensity reading load as compared to the other English courses offered to seniors.

AP LITERATURE/COMPOSITION

Grade 12

1.0 Credit

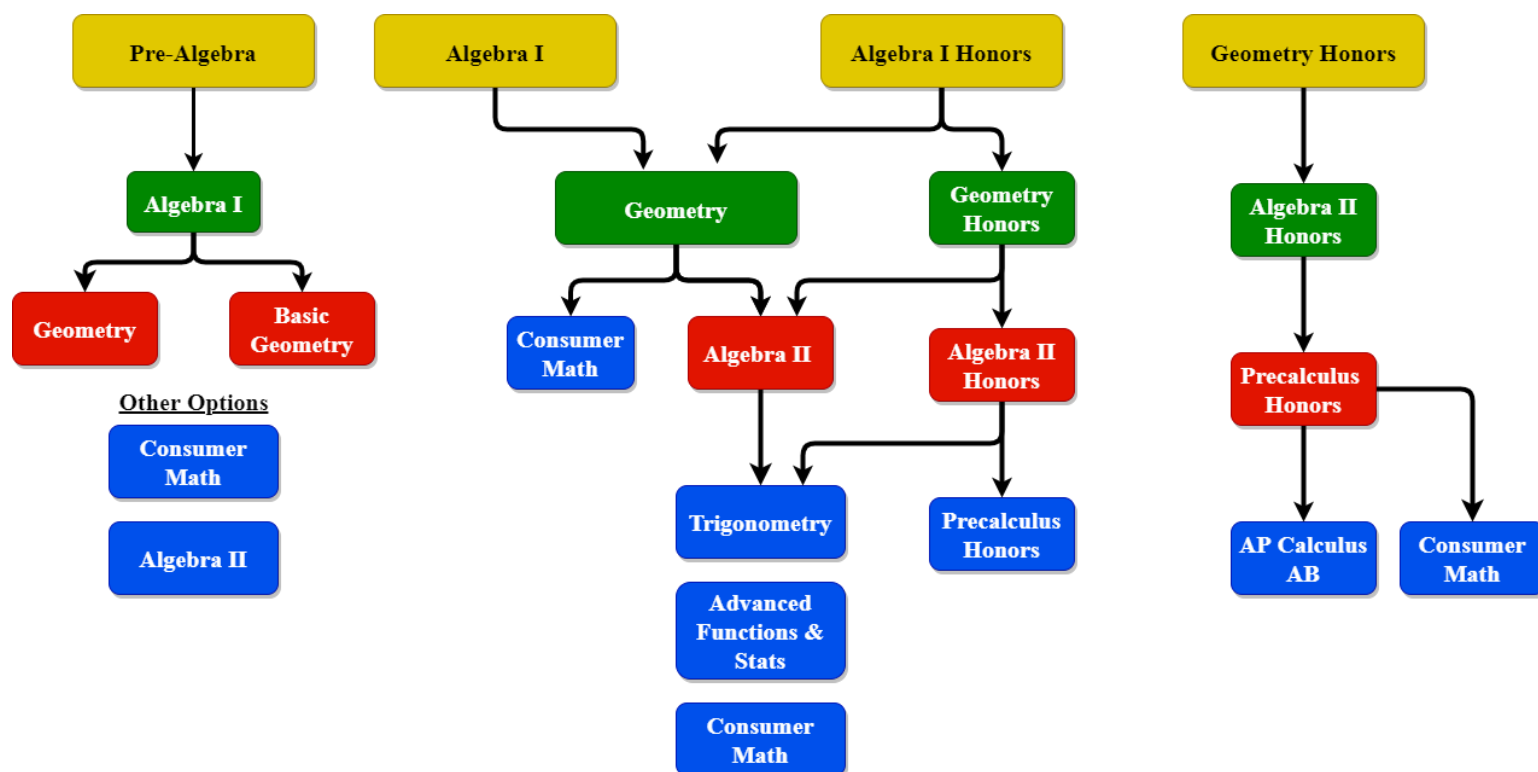
Prerequisite: Students must complete the honors class application. Students must have maintained an overall grade average of “B+” or better in Literature/Composition III Honors or “A+” in Literature/Composition III and approval of English department.

This class is a college literary analysis course that offers students the opportunity to meet the challenge of college-level reading, thinking, and writing with the support of a high school instructional environment. Thematic units cover important skills such as poetry explication, various modes of literary analysis, and interpretive reading and writing. A heavy emphasis will also be placed on creating reasonable arguments for the interpretation of a literary piece and presenting these arguments in a solid essay. For students seeking college credit, the course aims to prepare students to take the Advanced Placement Literature and Composition Examination in May. The course demands serious students: individuals committed to spending time and effort in both reading and writing.

MATHEMATICS DEPARTMENT

Mathematics Course Flowchart

(Freshman - Yellow, Sophomore - Green, Junior - Red, Senior - Blue)



Note: If any students wish to attempt the ACT exam before the second semester of their junior year, it may be to their benefit to take the elective course “Trigonometry” (offered in semester I) before the exam, so that they gain exposure to any advanced trigonometric functions used on that exam; such advanced trigonometric formulas will otherwise not be seen until Precalculus-Honors, semester II.

Continued enrollment in honors level math courses may be contingent on the student maintaining a “B-“ or higher average at all times.

PRE-ALGEBRA

Grade 9

1.0 Credit

Prerequisite: 8th grade math

This course is intended for the student who may need additional preparation for Algebra I. Topics of study may include probability and statistics, integers, decimals, fractions, percents, ratios and proportions, inequalities, and graphing and solving basic linear equations. Special attention is paid to note-taking and test-taking skills.

ALGEBRA I

Grades 9, 10

1.0 Credit

Prerequisites: A “C-” average or higher in eighth-grade math or similar placement test results, and/or approval of the eighth-grade math instructor.

This course may cover probability and statistics, ratios and proportions, linear equations, functions, exponents, multiplying and factoring polynomials, and graphing and solving linear equations/inequalities/linear systems.

ALGEBRA I HONORS

Grade 9

1.0 Credit

Prerequisites: “A” or higher in eighth grade math and teacher recommendation.

This course covers the same content areas covered in the Algebra I course but in greater depth and intensity. Additional topics may include direct and inverse variation, linear and quadratic functions.

BASIC GEOMETRY

Grades 10, 11, 12

1.0 Credit

Prerequisites: Pre-Algebra or Algebra I, and/or approval of present math instructor.

This course provides the student with a general knowledge of the applications of geometry in the workplace. Topics covered are measurement, graphs, tables, formulae, triangle math, probability, and statistics.

GEOMETRY

Grades 10, 11, 12

1.0 Credit

Prerequisites: Algebra I and/or approval of present math instructor.

This course covers the following: basic linear and planar sets, angles, polygons, polyhedrons, circles, congruence, similarity, proofs, constructions, coordinate geometry, area, volume, probability and statistics. The presence of geometry in the natural and human-made world is also discussed.

GEOMETRY HONORS

Grades 9, 10

1.0 Credit

Prerequisites: Previous semester grade “B-“ or higher in Algebra I Honors and/or approval of present math instructor.

This course provides a more in-depth study of the content areas of Geometry and proofs. The student receives an intensive treatment of plane, solid, coordinate, and transformational geometry.

ALGEBRA II

Grades 10, 11, 12

1.0 Credit

Prerequisites: Geometry and/or approval of present math instructor.

This course is recommended for any student considering post-secondary education. The course will review and explore skills and ideas from Algebra I more deeply before considering additional topics, including: systems of equations, linear and quadratic functions, data modeling, powers and roots of real and imaginary numbers, exponential growth and decay, polynomials, and curves in the Cartesian plane. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

ALGEBRA II HONORS

Grades 10, 11

1.0 Credit

Prerequisites: Previous semester grade B- or higher in Geometry Honors and/or approval of present math instructor.

This course covers all of the content areas covered in Algebra II but in greater depth and with faster tempo. It also includes an exploration of basic analysis and transformations of functions, radical functions, logarithms, and rational functions. It is recommended for any student considering post-secondary education in a business/technology or science-related field. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

CONSUMER & CAREER MATHEMATICS

Grades 11, 12

1.0 Credit

Prerequisite: Geometry and/or approval of present math instructor.

This course is designed as a third 1-credit math course for the student not bound for study in a business or science-related field at a college or tech school. It can be taken concurrently with another math course. Study includes reviews of basic math, algebra, and geometry skills, problem solving, application of math in areas such as income, checkbooks, investments, taxes, cars, insurance, and renting, buying, or building a house.

TRIGONOMETRY

Grades 11, 12

0.5 Credit

Prerequisites: Algebra II and/or approval of present math instructor.

This course is designed for the student who has completed Algebra II and wishes to further their math education or at least maintain math skills. Topics studied include trigonometric and circular functions, their inverses and graphs, identities, and Trigonometric laws for non-right triangles. This course uses a *TI-84 Plus (or equivalent)* graphing calculator.

ADVANCED FUNCTIONS AND STATISTICS

Grades 11, 12

0.5 Credit

Prerequisites: Algebra II and/or approval of present math instructor.

This course is for students who have had at least Algebra II, who wish to further their math education or at least maintain math skills. It would also be appropriate for any student of Pre-Calculus or Calculus. Topics studied include probability, statistics, sequences, and series. Additional topics may be exponential, logarithmic, and trigonometric functions, and matrices. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

PRE-CALCULUS HONORS

Grades 11, 12

1.0 Credit

Prerequisites: Previous semester grade B- or higher in Algebra II Honors and/or approval of present math instructor.

This course expands upon the knowledge students have gained in Algebra II Honors and also explores topics which are of particular value to students considering taking Calculus. Topics may include the nature of graphs and functions, applications of trigonometry to non-right triangles, trigonometric ratios as periodic functions, the modeling of non-geometric relationships with trigonometric functions, trigonometric identities and equations, and conics. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

AP CALCULUS AB

Grade 12

1.0 HS Credit

Prerequisites: Previous semester grade of “B+” or higher in Pre-Calculus Honors or similar placement test results, and approval of present math instructor.

This course is an AP Calculus AB course; the course will serve as preparation for the Advanced Placement Calculus AB examination in May. Note: since the AP test occurs well before the end of the academic year, the test will occur before all of the course material is covered, and it would be advisable for students to enhance their preparation for the AP test by other means (e.g. tutoring, study programs, software, etc.).

Topics include limits, first derivatives, higher-order derivatives, related-rate and tangent line approximations, derivative applications, anti-differentiation and integration, logarithmic, exponential, and other transcendental functions, and integration applications. This course uses a *TI-84 Plus* (or equivalent) graphing calculator.

PHYSICAL EDUCATION DEPARTMENT

If students wish to remain physically active, they may get permission from the Physical Education teacher to repeat any Fitness class. Students who repeat a class will be given different assignments than those taking the class for the first time. Proper gym shoes are **required**.

PHYSICAL EDUCATION I

Grade 9

0.5 Credit

This course introduces the students to important practices in physical fitness and nutrition. The students learn healthy lifestyle techniques, fitness skills and terms, improve gross motor skills and participate in physical fitness activities.

PHYSICAL EDUCATION II

Grades 10, 11, 12

0.5 Credit

Prerequisite: Physical Education I

This is an advanced course of physical fitness and gross motor skills. Students will learn all aspects of sport skills. Tests will be given with the course to improve gross motor skills. Strategies and game-like situations will be a focus for this course.

HEALTH

Grade 10

0.5 Credit

This class, through the Diocesan Health Curriculum, will provide students with knowledge and skills to live a healthy life grounded in faith. Students will build off of their 7th grade health course to expand their knowledge on the uniqueness of their own personal health and wellness, the dimensions of wellness, and the many influences on

their overall well-being. Students will also further develop the skills of accessing valid information, practicing health-enhancing behaviors, goal-setting, effective communication, stress management, decision-making, and advocating for overall well-being. Theology of the Body will be used to guide instruction on the topic of healthy relationships.

LIFETIME SPORTS

Grades 11, 12

0.5 Credit

Prerequisite: Physical Education I or II

Lifetime is a course for students to gain an appreciation for lifetime activities. Some of the activities are beach and indoor volleyball, pickleball, ultimate frisbee, basketball and golf. The course involves learning gross motor skills and aspects of each sport.

STRENGTH TRAINING

Grades 10, 11, 12

0.5 Credit

This course is open to boys and girls. The content of the course will be directed primarily toward conditioning and strengthening. The course is also designed to promote and improve physical abilities. It will include resistive exercises for all the major muscle groups of the body.

TEAM SPORTS

Grades 11, 12

0.5 Credit

(See listings below)

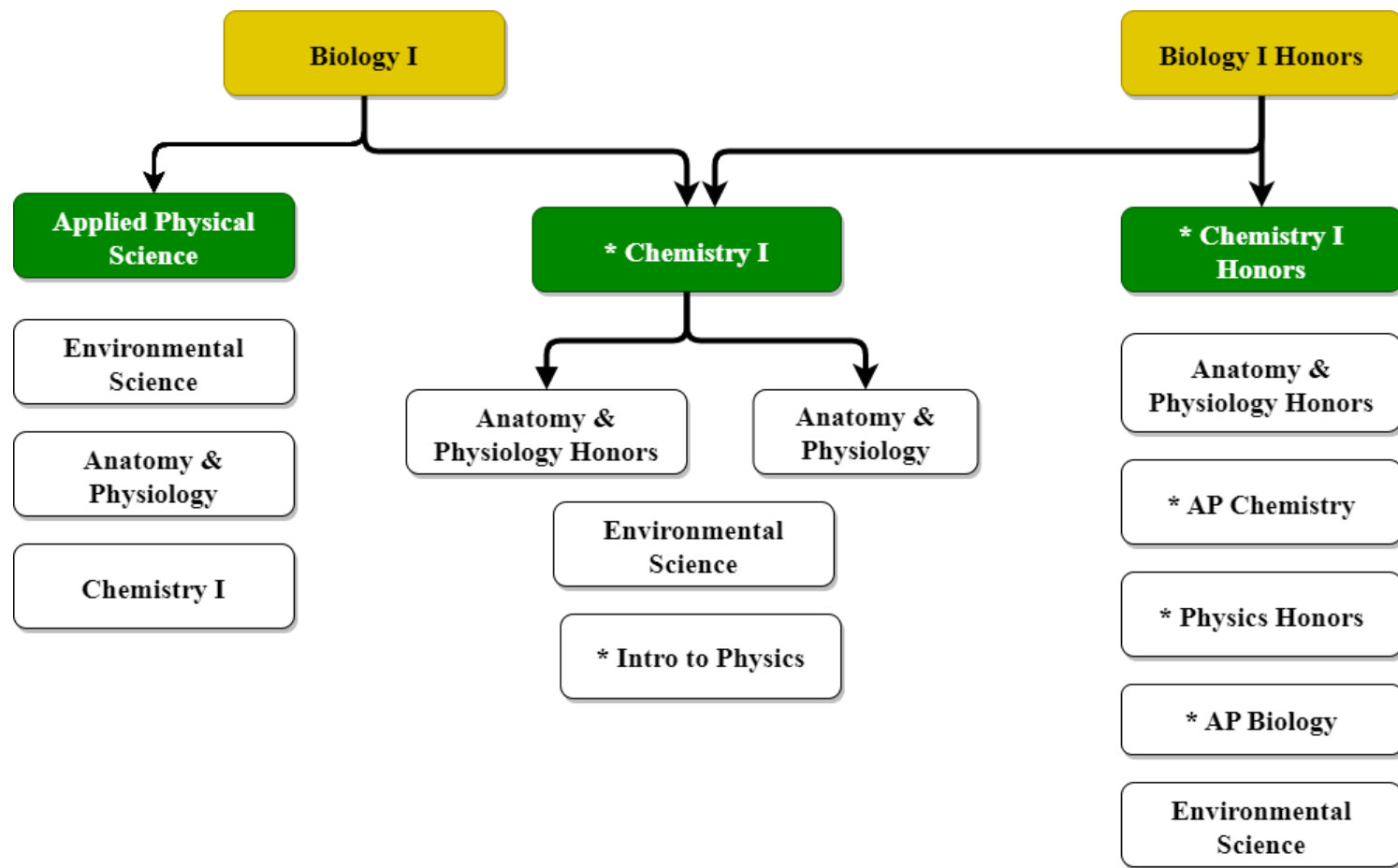
Any junior or senior student / athlete who begins and finishes an athletic season in good standing with their respective coach may receive 0.5 credits for their participation once a year.

BASEBALL
BASKETBALL – BOYS
BASKETBALL – GIRLS
CROSS COUNTRY
FOOTBALL
GOLF

SOCCER
SOFTBALL
TENNIS
TRACK & FIELD
VOLLEYBALL
WRESTLING

SCIENCE DEPARTMENT

Science Course Flowchart



Freshman - Yellow
Sophomore - Green

*** Requires Math Prerequisite**

Graduation Requirements: 3 credits of Science of which one credit must be from Biology, one credit from the Physical Sciences. Two credits must meet the lab requirement.

(Bio) =Fulfills biological science requirements
(Physical) = Fulfills physical science requirements
(Lab) = Fulfills lab requirements
(Non Lab) = Does not meet lab requirement

BIOLOGY I (Bio & Lab)

Grades 9, 10

1.0 Credit

Biology I is a course which enables students to proceed from a mastery of fundamental biological concepts to scientific investigation of the cell, genetics, plants, animals, and humans. The study of interrelationships of living things and their environmental adaptations should help to bring about an interest in and an appreciation for all living things. The students should gain a clear comprehension of the significance of life and its importance in human welfare. Lab investigations involve dissections.

BIOLOGY I HONORS (Bio & Lab)

Grades 9, 10

1.0 Credit

Prerequisite: Recommendation from Eighth grade science instructor.

Same as Biology I but in greater depth and will have more difficult exams.

**APPLIED PHYSICAL SCIENCE
(Physical & Lab)**

Grades 10, 11, 12

0.5 Credit

Prerequisite: Biology I and approval of current Math and Science instructors.

This course emphasizes science connections to everyday life. This interdisciplinary field includes engineering, business, medicine, and computer science. It teaches a fundamental and holistic view of physics, chemistry, geology, physical geography, and earth science topics that relate to everyday life and current events. Additional studies into astronomy, oceanography, meteorology, and geology may also be covered. Students will also explore career options as it relates to physical science.

CHEMISTRY I (Physical & Lab)

Grades 10, 11, 12

1.0 Credit

Prerequisite: Biology I and Algebra I and approval of current Math and Science instructors.

This course will cover areas in scientific measurement, atomic structure, chemical reactions, chemical names and formulas, ionization, matter and its changes, energy, behavior of gases, periodicity, kinetics, chemical quantities, and oxidation-reduction. Problem solving techniques will be emphasized. A solid math background is recommended.

**CHEMISTRY I HONORS
(Physical & Lab)**

Grades 10, 11, 12

1.0 Credit

Prerequisite: "B" average in Algebra I Honors and Biology I Honors, approval of current math and science instructors.

This course in modern chemistry is designed to meet the requirements of honors college preparatory students in this and allied areas of science, as well as a preparation for careers in applied science. Fundamental aims of this approach to chemistry are to present the basic principles of chemistry as an intellectual discipline, to develop interest in chemistry, and to identify promising students. Topics covered are similar to Regular Chemistry I. A mathematical approach to chemistry will be followed.

**CHEMISTRY II HONORS
(Physical & Lab)**

Grades 11, 12

1.0 Credit

Prerequisite: "B" average in Algebra II Honors and Chemistry I Honors and approval of current math and science instructors.

Chemistry II is an advanced course offered to juniors and seniors who have shown an above-average ability, extreme responsibility and interest in Chemistry I. Advancing on learned concepts from Chemistry I this course is designed to be lab based and cover the study of molar and normal solutions, acid-base titration, reaction energy, chemical equilibrium, cation and anion analysis, and an introduction into organic, transition metals, and biochemistry. Students planning on a science-related career will find this course a comprehensive preparation. A project may be required.

INTRODUCTION TO PHYSICS
(Physical & Lab)

Grades 11, 12

0.5 Credit

Prerequisite: Biology I and Chemistry I

Introduction to Physics is a survey of the study of matter and energy and their applications together with formulas and problem solving. Newton's laws, simple machines, fluids, waves, electricity, and magnetism are some of the topics covered. This is a physical science course. A project may be required.

PHYSICS HONORS
(Physical & Lab)

Grades 11, 12

1.0 Credit

Prerequisite: Chemistry I Honors, Algebra II Honors with a "B" average or above, and approval of current science and math instructors.

This course in physics is designed to meet the requirements of college preparatory students planning to major in Science or enter allied careers. Basic to the study of physics is the role of theory in the development of the understanding and interpretation of the physical world, to use mathematical analysis of physical phenomena and to acquire accuracy in the scientific method of laboratory work. The course is composed of two major areas: Mechanics and Modern Physics (covering topics similar to the Introduction of Physics course, but placing strong emphasis on mathematical analysis and problem-solving). A project may be required.

ENVIRONMENTAL SCIENCE
(Bio, Non Lab)

Grades 10, 11, 12

0.5 Credit

Prerequisite: Biology I or approval of instructor

This course is designed to develop the student's interest in, appreciation of, and sense of responsibility for our environment. This course makes use of a textbook and heavy student led discussions. Outdoor journaling and field trips are additional aspects of the course. The class satisfies one semester of the required three years of science needed for graduation.

MEDICAL TERMINOLOGY
/HEALTHCARE CAREERS

Grades 10, 11, 12

0.5 Credit

Gain knowledge on the component parts of medical terms: prefixes, suffixes, and word roots. Spellings, definitions, and pronunciations will be discussed. Students will also explore the world of careers in the healthcare field. Guest speakers will come in to talk to the students about their careers.

ANATOMY AND PHYSIOLOGY
(Bio & Lab)

Grades 11, 12

1.0 Credit

Prerequisite: Students may only enroll in this class with permission of the instructor.

Anatomy and Physiology is a course for students who are interested in learning about the structure and function of the human body. This course includes the major biological concepts with emphasis on human anatomy and physiology. Laboratory investigations involve extensive dissections. *Offered 2023-2024 school year.*

ANATOMY & PHYSIOLOGY
HONORS (Bio & Lab)

Grades 11, 12

1.0 Credit

Prerequisite: Biology I and Chemistry I and approval of biology instructor.

This is an advanced Anatomy and Physiology course for students who are interested in learning about the structure and function of the human body. This course includes the major biological concepts with emphasis on human anatomy and physiology. Laboratory investigations involve extensive dissections.

AP BIOLOGY (Biology & Lab)

Grade 12

1.0 Credit

Prerequisite: Chemistry II Honors preferred and approval of instructor.

The course content includes an introduction to the study of metabolic processes of biological species at the molecular level. Emphasis is placed upon physiological processes and photosynthetic mechanisms including nutrition, gas exchange, transportation, and regulation. The aim is to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course involves a strong laboratory component, including the construction of lab reports.

This course is recommended for students who will be entering college. *Students who enroll in this course must have earned a semester grade of A- in one of the following courses: AP Chemistry, Physics Honors or Anatomy and Physiology Honors.*

AP CHEMISTRY (Physical & Lab)

Grades 11, 12

1.0 Credit

Prerequisite: "B" average in Algebra II Honors and Chemistry I Honors and approval of current math and science instructors.

AP Chemistry is an advanced course offered to juniors and seniors who have shown above-average ability and interest in Chemistry I. Theory and lab classes cover the study of molar and normal solutions, acid-base titration, reaction energy, chemical equilibrium, cation and anion analysis, and an introduction into organic, transition metals, and biochemistry. Students planning on a science-related career will find this course a comprehensive preparation. A project may be required.

SOCIAL SCIENCES DEPARTMENT

GEOGRAPHY

Grade 9

0.5 Credit

This course offers a study of geography fundamentals and the world by region. Students will learn the themes of geography as they appear in the regions of the world through the examination of text, lectures, maps, videos, etc. Topics covered will include the physical geography, human geography, and resource management of the world's regions in addition to a focus on current events, especially those coinciding with each region as it is studied. The course will also emphasize critical reading and writing skills in addition to map skills.

WORLD HISTORY

Grade 10

1.0 Credit

This is a survey course that uses a thematic approach to help students develop a broader scope of world events from the recent and far-reaching past. During the course of the year, students are introduced to many unique ideas and details by using a variety of themes, including the study of governments, wars, the question of fairness and the major religious beliefs of our world. Both Eastern and Western World History will be explored, including the role and influence of the Catholic Church in history.

AP WORLD HISTORY: MODERN

Grade 10

1.0 Credit

Prerequisite: Grade of “A-” or better in Geography

Advanced Placement World History: Modern is a challenging one year course designed to prepare students for success in college history courses by developing skills of writing, inquiry, analysis that are key for success in college. AP World History: Modern is equivalent to an introductory college survey course of world history from the year 1200 C.E. to the present. Students will be able to show their mastery of the course goals by taking part in the College Board’s AP World History: Modern exam in May. There is a fee for the exam.

U.S. HISTORY

Grade 11

1.0 Credit

This is a survey course, covering American History from the pre-Columbian Era to the present day. Both a topical and thematic approach will be used, allowing for enhanced student understanding of the issues from America’s past. Students will learn about the connections from the past to today’s world. Areas of study will include a review of Pre-Columbian America to the Revolutionary War, Westward Expansion, Slavery and the Civil War, Industrialization and Immigration, Progressivism and Expansion, World War I, the Great Depression, World War II, Cold War, Civil Rights, Vietnam, 1970-1990s, Post-9/11 America.

AP UNITED STATES HISTORY I

Grades 11, 12

1.0 Credit

Prerequisite: “A-” or better in World History or “A-” or better in AP World History: Modern and approval of current social studies instructor.

This is a year-long college-level course in United States history. It covers the era from the first “Native American” settlers of the continent through the Civil War. The main purpose of this class is to teach students how to think like a historian, especially how to understand historical philosophy (the effect that *ideas* have on human life). This class will also prepare students for college by helping them to develop writing skills, study habits, and the skills of a good historian. Students may earn college credit by taking the Advanced Placement United States History exam and earning a grade accepted by the college of their choice. There is a fee for the exam. Students may choose to take Advanced Placement United States History II in order to learn more about the periods of history not covered in this course.

AMERICAN GOVERNMENT

Grade 12

0.5 Credit

This course will give students an overall view of the workings of the United States Government. Among the areas of focus will be the three branches of government, the Constitution, civil rights, basic economic concepts, government financing, the election process, the role of special interest groups, and public opinion. Student decision-making skills will be sharpened to help them make wise political choices in the future.

AP UNITED STATES HISTORY II

Grade 12

1.0 Credit

Prerequisite: “B” or better average in APUSH I and approval of current social studies teacher

A continuation of Advanced Placement United States History I, this is a year-long college-level course in United States history. It covers the era from the Restoration Period after the Civil War forward. This class will prepare students for college by helping them to develop writing skills, study habits, and the skills of a good historian. Students may earn college credit by taking the Advanced Placement United States History exam and earning a grade accepted by the college of their choice. There is a fee for the exam. Students may take this course strictly as an honors level of Recent United States History (RUSH). They are still required to take United States Government, as the APUSH classes do not cover the material covered by the government class.

CURRENT ISSUES

Grades 11, 12

0.5 Credit

In this course students will examine many topics, which are important to the present and future of the world. Students are required to do a variety of tasks to demonstrate their understanding of current events, but the class is also designed to allow for many student-chosen ideas to be examined. There is no text for this course, but television news and numerous internet sources are consulted for topics in this class.

ECONOMICS

Grades 11, 12

0.5 Credit

This course will introduce students to key economic concepts; including supply and demand, scarcity, opportunity cost, risk and more. Students will also study the effects of government decisions on the economy and therefore everyday life. Students will also learn about different investment vehicles and participate in a Stock Market Simulation.

HOLOCAUST AND GENOCIDE STUDIES

Grade 11, 12

0.5 Credit

“Take care...so as neither to forget the things that your eyes have seen nor to let them slip from your mind...make them known to your children and your children’s children.” – Deuteronomy 4:9

How did one man lead one of the most civilized nations in the world to destroy the lives of over six million human beings? How did the Holocaust happen, and could this ever happen again? We will be investigating these questions and more as we study the rise of the Nazi Party and the events of the Holocaust. In this course, we will examine how Adolf Hitler and the radical Nazis rose to power, learn about the horrific world of the concentration camps, hear powerful stories from the victims and perpetrators of genocide, and learn how we can prevent hatred and violence in our own lives. We have a duty to learn and to never forget so peace will triumph in our world today.

MILITARY HISTORY

Grades 11, 12

0.5 Credit

“War is a matter of vital importance to the State; the province of life or death; the road to survival or ruin. It is mandatory that it be thoroughly studied.” –Sun Tzu, The Art of War

In this course, we will investigate the history of the world through the lens of warfare. It is important for us to recognize how war has deeply impacted and shaped our world today. Students will study military tactics and strategy, the evolution of arms and armor from the Bronze Age to Nuclear Age, pivotal battles, and major wars in history. Class will consist of a combination of discussion, lecture, projects, and film. Areas of study include: Greco-Roman Warfare, Medieval Combat, Renaissance Era, Napoleonic Warfare, World War I, World War II, Vietnam, Iraq, and Afghanistan.

AP PSYCHOLOGY

Grades 11, 12

1.0 Credit

Prerequisite: Grade of “B+” or better in most recent Honors or AP designated social studies class, or “A” in most recent non-honors social studies class.

This is a year-long, college-level introductory course to the field of psychology. The class is listed as on the College Board’s list of approved AP classes and students may earn college credit by earning a grade on the AP test that is acceptable by their college of choice. Students will be introduced to the scientific study of the behavior and mental processes of human beings and other animals. Units covered will include: history and approaches of psychology, research methods, biological bases of behavior, sensation and perception, consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment and therapy, and social psychology. This course is also designed to facilitate self-awareness, personal growth, and maturity through better understanding of who we are, why we act as we do, and what we can

achieve as human beings. The concepts, terms, theories and skills students will learn in the class can be applied to their lives and used to improve their chances for success in other courses and college.

THEOLOGY DEPARTMENT

OLD TESTAMENT

Grade 9

0.5 Credit

This course begins with an introduction of Sacred Scripture as the inspired Word of God. It will consider the Old Testament as God's gradual revelation of Himself to man with a focus on the covenants God establishes with his people in Salvation History. Students will better understand the stories, literary style, cultural context, historical setting, and theological meaning of the Old Testament. Special emphasis will be placed on establishing a familiarity with important characters and key events in their chronological sequence, necessary for a deeper understanding of the New Testament.

NEW TESTAMENT

Grade 9

0.5 Credit

This course is a survey of the New Testament. It familiarizes students with the content, structure, and message of the New Testament. Students review the style and themes of the four evangelists, study the message of Saint Paul through his Epistles, and examine the story of the apostles found in the Acts of the Apostles. This course provides an opportunity to read the New Testament Scriptures and gain a better understanding of the Catholic Church and her founder, Jesus Christ.

FUNDAMENTAL THEOLOGY

Grade 10

0.5 Credit

This course seeks deeper knowledge and understanding of all the major themes found in the creeds of the Church. It begins with the pursuit of objective truth and proof for God's existence. It continues by looking at our capacity for God, how God reveals Himself to us, and how we are to respond to God's revelation. Throughout the course, central themes will include our universal call to holiness and our role as Christians within the Kingdom of God. As the course focuses on the fundamental beliefs and teachings of the Church, emphasis will be placed on knowing the Faith in order to both live it out and defend it.

SACRAMENTAL THEOLOGY

Grade 10

0.5 Credit

This course will consider the sacramental life of the Church as the means by which Christians seek their ultimate goal: union with God. Beginning with a general consideration of the sacraments as signs which impart grace given to us by Christ, the course will progress to an in-depth investigation of each of the seven sacraments. Special emphasis will be placed on the matter and form of each sacrament, as well as on the grace received and the effects of each sacrament.

MORAL THEOLOGY I

Grade 11

0.5 Credit

This course will begin with an examination of truth and how we can know objective truth through the tools of philosophy, science, and revelation. We will then review and explore more arguments or proofs for the existence of God, take a look at Jesus Christ's claims to be Divine, and how our lives need to change if Jesus is who He says He is. We'll then look into Christian thoughts about virtue, freedom, and happiness, and how they all tie in together. From that foundation the course flows into the question of why God gives us moral laws. Finally, it explores and analyzes the objects, intentions, and circumstances of human actions.

MORAL THEOLOGY II

Grade 11

0.5 Credit

The second semester flows from the foundations of the first semester and primarily focuses on the tough moral issues of our time (e.g. abortion, euthanasia, physician assisted suicide, capital punishment, etc.). With all of these tough issues, we explain the “why” behind the “what” of the Church’s teachings with clarity and charity. Finally, we’ll conclude the year by going through St. John Paul II’s Theology of the Body in order to see the beauty of God’s plan for human sexuality and the dignity that each one of us possesses by being made in the image and likeness of God.

DISCIPLESHIP

Grade 11, 12

0.5 Credit

This course intends to help students to be real disciples of Jesus Christ. The goal is to teach the students how to encounter God in our day to day lives, to be able to identify and articulate how God is working in our lives, and to learn and practice discipleship each day of our lives. There will be opportunities for service, small group intentional conversations, time to pray, and lessons to learn how to dive deeper into the love of Jesus.

THEOLOGY OF THE BODY AT THE MOVIES

Grade 12

0.5 Credit

You and I are wired for good stories. One powerful method to tell good stories is through movies. In his Letter to Artists, St. John Paul II wrote, “Even beyond its typically religious expressions, true art has a close affinity with the world of faith, so that, even in situations where culture and the Church are far apart, art remains a kind of bridge to religious experience.” Certain movies can help create that bridge between the Church and our secular culture.

As Christopher West writes in his book, *Theology of the Body at the Movies*, “We need them [stories], in fact, to understand who we are, where we come from, and where we’re headed. And this is why even secular movies can become the occasion of a sacred experience.”

This elective course will take a look at several secular movies (e.g. *The Truman Show*, *Children of Men*, *Spider Man 2*, *Spider Man 3*, *The Shawshank Redemption*, *Toy Story 3*, *I Am Legend*, and *Nacho Libre*) in order to discuss elements from St. John Paul II’s Theology of the Body and to discuss important theological and societal topics/issues such as: truth, freedom, hope, loving vs. using, identity, sterilization, “playing God”, core wounds, and many more themes.

Through journal entries, class discussion, and deep thinking, we will begin to experience a “sacred experience” through movies as we learn more about the deeper truths God has made known to the world.

SPIRITUAL THEOLOGY/ SERVANT LEADERSHIP

Grade 12

1.0 Credit

The belief that underlies this course is the universal call to be holy, humble, and prayerful Disciples of Christ. Emphasis will be placed on using different methods of prayer to grow in self-knowledge and in a deeper relationship with God. From our relationship with God comes a desire to serve His Church so we’ll continue the year by focusing on the vocations of marriage, priesthood, and religious life. The final two topics of the year focus on Catholic Social Teaching and how to defend Catholicism when our students graduate (also known as “Apologetics”).

CHRISTIAN STEWARDSHIP INDEPENDENT STUDY

Grade 12

0.5 Credit

The focus of this elective course is to continue developing the understanding of the importance of ministry in the church. The student may be placed with a willing/available teacher to volunteer as an aide in order to be given the

opportunity to put his/her faith into action. It is important for students to realize their God-given gifts and talents and their responsibility for sharing those gifts and talents with their communities.

WORLD LANGUAGES DEPARTMENT

SPANISH I

Grades 8, 9, 10, 11, 12

1.0 Credit

Prerequisite: None

This is an introduction class to Spanish and cultures of the Spanish-speaking world. Strong emphasis is placed on class participation in the forms of reading, writing, listening, and speaking. This is a great continuation of the Spanish studied at a younger level but no prior knowledge or exposure to Spanish is needed.

SPANISH II

Grades 9, 10, 11, 12

1.0 Credit

Prerequisite: Grade of “C” or better in Spanish I and approval of the instructor.

This is a continuation of Spanish I. Students will be expected to continue speaking, listening, writing, and reading in Spanish. Emphasis is still on participation. Students will continue to use all the grammar and vocabulary from Spanish I while learning many new grammar skills and greatly increasing their vocabulary.

SPANISH III HONORS

Grades 10, 11, 12

1.0 Credit

Prerequisite: Grade of “B” or better in Spanish II and approval of the instructor.

Requirement: Students will be expected to maintain a “C” or better in this course.

This class is a deeper journey into language and culture. Speaking, writing, listening and reading are strong elements in this class as well as an emphasis on correct Spanish grammar. This Honors class is a challenging continuation of the curriculum with activities to deepen grammatical and cultural knowledge; students are expected to be self-motivated and hardworking.

SPANISH IV HONORS

Grades 11, 12

1.0 Credit

Prerequisite: Grade of “B” or better in Spanish III Honors and approval of instructor

Requirement: To maintain a “C” or better in this course. Instructor reserves the right to dismiss students not meeting these requirements.

This is a cumulative course of the previous classes. Heavy emphasis is on speaking, writing, reading and listening. Students are prepared for college level courses or Spanish V. Because this is an honors course, honors work and attitude are expected. Students should be self-motivated and hard working.

SPANISH V HONORS

Grade 12

1.0 Credit

Prerequisite: Grade of “B” or higher in Spanish IV Honors and approval of instructor.

Requirement: Maintain a “C” or better in this course. Instructor reserves the right to dismiss students not meeting these requirements. This is the culmination of the Spanish program. You will be preparing for college level Spanish classes or entrance exams as well as college placement exams. You will use your verbal and writing, listening and

reading skills every day in class or in homework. Much will be expected of students; they should be self-motivated and hard working.

ART DEPARTMENT

***All art classes will use a sketchbook for notes, images, brainstorming and reflective purposes. Students are required to complete a minimum of 4 projects, a final project, and a portfolio including work, artist statements and documentation of completed projects.**

Daily Points:

Ready, Listening, On-time & Working=3pts. Reminding needed or late=2 pts. Little work/not ready=1 pt.

No work, disrespectful &/or Unexcused Absence=0 pt.

Projects are graded using the following criteria:

Creativity=5 pts. Composition=5 pts. Craftsmanship=5 pts. Sketches/Reflection=5 pts. Stretch/Process=5 pts.
(Originality) (Design) (Techniques) (Brainstorming & Write Up) (Problem Solving)

Final Project=50 pts., with Portfolio=10 pts.

(Artist statements & documentation)

Checklist=5 pts.

(Materials, Timeline & Assessment form)

Sketchbook=10 pts.

(Visuals, notes & sketches)

ART 1

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite for all Art courses unless waived by the Art Instructor ***prior*** to class registration.

This course incorporates varied experiences in two-dimensional media (drawing, painting, and printmaking) and three-dimensional media (ceramics, sculpture) for the beginning student. Concepts of art will be stressed as well as styles in art, history, aesthetics and evaluation in the visual arts. Sketchbooks and skill building assignments will fabricate the foundation for more advanced methods and idea exploration.

ART 2

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite: Art 1

This course expands on basic 2D and 3D skills from Art 1. Projects and activities will challenge and build your working knowledge of various materials and techniques. Focus is on building on skills using elements of design and principles to discover one's inner creative inclination. This course is recommended for those who don't know what they are personally interested in yet or want to dabble in studio techniques.

DRAWING and DESIGN

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite: Art 1

This course offers students a continuation of the study of elements and principles of design through a variety of drawing materials, papers, and technical approaches. Focus is on developing realistic imagery, efficient layouts, expanding your imagination, and training your mind's eye to really *see* the finer details.

PAINTING

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite: Art 1

This course introduces the student to creative expression through pastel, watercolor, acrylic, and oil painting. Students will study what artists have done in the past and the work of contemporary painters to aid them in developing their own style. This class revolves around color theory work, construction methods, and patience.

MULTI- MEDIA

Grades 10, 11, 12

0.5 Credit

Prerequisite: Art 1, Drawing and Design, unless waived by the Art Instructor

This course will focus on digital photography, software, contemporary art and short film editing. (Adobe Photoshop and Premier Pro will be used). Concepts will include how to improve your photographs, editing techniques, special effects, storyboards, digital camera and video camera use. Throughout the semester contemporary styles of art, history, aesthetics will be discussed and viewed to explore one's multimedia style.

SCULPTURE & CERAMICS

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite: Art 1

Students will be introduced to materials, techniques, and methods of constructing ceramic and sculpture (both hand-built and wheel-thrown). They will also have an opportunity to experience other sculptural materials such as plaster, wood, paper, metal, mixed media, and recycled materials. Projects highlight the importance of form, context, and attention to presentation as a conversational instrument.

ART-INDEPENDENT STUDY

Grades 11, 12

0.5 Credit

Prerequisite: Art 1, Painting, Drawing and Design, Sculpture and Ceramics

This is an advanced art course offered to students with a strong desire to develop their artistic knowledge and independence within their area of interest. This course offers the opportunity for students to further explore three-dimensional and/or two-dimensional techniques and media types. Students dive into studio techniques, build a foundation for self-governed processing through brainstorming and construction into completed projects.

HONORS ART

Grades 11, 12

0.5 Credit

*Honors credit is achieved in the below Honors courses by completing the 3-5 page research paper and the artwork "series" (minimum of 3 separate works of art focusing on one theme), in addition to the regular course load of 3 projects and a final with a portfolio.

Prerequisite: Art 1, Art 2, Painting, Drawing and Design, Sculpture and Ceramics,
MultiMedia, Independent Study... Instructor Permission and Signed Contract

This is an advanced art course offered to students with a strong desire to improve their artistic knowledge and ability; to further develop their own style and build self identity in their work. Students learn to make a meticulous plan for their semester projects, set a timeline for regular grading while increasing research, concept interpretation, and visual quality. Students will learn more in depth studio responsibilities and assist in daily art routines and material prep work without complaint

MUSIC DEPARTMENT

CONCERT CHOIR

Grades 9, 10, 11, 12

1.0 Credit

Concert Choir is an engaging, interactive, performance-based class that focuses on holistically developing musicians through quality vocal repertoire. Concert Choir members will work collaboratively in a large group setting while also discovering their unique voice through routine private lessons. In addition to developing dedication, poise, and creativity in a team environment, singers will learn sight reading, music theory, proper vocal techniques, basic vocal health, music history, elements of music, and genres of music.

Requirements outside of class may also include concerts, contests, clinics, festivals, and guest performances.

Solo/Ensemble is NOT a required event for all choir students, however, is encouraged.

HONORS CHOIR

Grades 10, 11, 12

1.0 Credit

Prerequisite: Completion of short interview followed by instructor approval. Final admittance to Honors Choir is dependent on previous grade averages and vocal readiness.

In addition to the Concert Choir experience, Honors Choir students will play a leadership role in the choir and work more intensively on developing their solo voice. These students will:

- Perform **one** Class A solo OR another solo appropriate for their voice type and range for solo ensemble.
- Complete 2 hours of service each quarter for the CCS music department. Consult instructors for approval prior to each service event.
- Lead church congregation by cantering throughout the year for weekly mass.
- Complete additional assignments focusing on Servant Leadership and perform various duties to assist with building a stronger community of learners in the choir at the discretion of the instructor.

CONCERT BAND

Grades 9, 10, 11, 12

1.0 Credit

The main focus of Concert Band is the study and performance of various styles of music in the wind ensemble repertoire. This is accomplished by a historical study of each composition and its composer, a study of basic and advanced music theory, and proper playing technique on the student's chosen instrument. The student receives instruction in both full band rehearsals and in individual and/or group lessons. Out-of-school activities include concerts, contests, parades, half-time shows and pep band performances. This class has a \$75 course fee.

HONORS BAND

Grades 11, 12

1.0 Credit

In addition to the normal course load, the Honors student performs class A solo or small ensemble in Solo/Ensemble contest and must choose and complete one of the following:

- Perform a Class A solo or two small class A ensembles during the current year's Solo/Ensemble Festival. Failure to perform a solo or small ensemble will result in a grade no higher than a "C" for the entire second semester.
- Honor students are also required to perform twelve hours of service to the band program. This service is created after meeting with the band director.

JAZZ BAND

Grades 9, 10, 11, 12

1.0 Credit

Prerequisite: Approval of instructor and must be a current member of concert band.

Jazz Band takes the student's acquired knowledge from concert band and applies it to the study and performance of jazz music. Correct performance of jazz styles is gained through listening and identification. An in-depth study of jazz theory, modal theory, and jazz as it applies to American culture and history is part of the course. Out-of-school events include concerts, contests, and jazz fests.

JAZZ BAND - HONORS

Grades 9, 10, 11, 12

1.0 Credit

Prerequisite: Jazz Band and approval of the present instructor.

In addition to the normal course load, there are two other requirements in which the student will demonstrate his/her knowledge and study of Jazz Theory and Jazz History. These requirements are to be done each semester.

Study the melody and chord structure of three jazz compositions. These compositions must be selected from three contrasting jazz styles. The student will also improvise as part of the memorization process.

Aural identification of jazz compositions as selected by the course instructor. These compositions all represent a minimum of four jazz styles and twelve jazz performers. Identification includes name of performer, instrument played, style of jazz, and approximate year of recording.

MUSIC THEORY HONORS

Grades 11, 12

1.0 Credit

The main focus of Music Theory Honors will be music composition. The compositions will be individualized per student based on the student's prior knowledge and familiarity with the fundamentals of music theory.

JAZZ IMPROVISATION HONORS

Grades 9, 10, 11, 12

0.5 Credit

Prerequisite: Approval of Instructor and must be a current member of Concert Band and Jazz Band

This course is designed to develop the improvisational techniques of the student as a soloist and in a combo setting. Heavy emphasis placed on jazz theory, including modal, bebop and the blues. Chord structure and progressions, memorization of jazz tunes, and jazz history will also be studied. Focus will be on the lives and styles of jazz artists, including aural identification of these artists' recordings. Out-of-school activities include concerts, contests, and jazz festivals.

BUSINESS & INFORMATION TECHNOLOGY

(Includes dual credit Mid-State Tech School of Business and Technology classes.)

ENTREPRENEURSHIP

Grades 10, 11, 12

0.5 Credit

This course builds students' skills in the knowledge of types of business ownership, legal issues, business finance/start-up costs, business trends, site selection, marketing, pricing strategies and the development of a business plan on the students' product/service of choice. *Offered in odd school years starting 2025-2026.*

INTRO TO BUSINESS (DUAL CREDIT-MID STATE)

Grades 10, 11, 12

0.5 Credit*
3.0 Credit (Mid-State)

An introduction to what a business is, how it operates, and how it is managed. Students identify forms of ownership and the processes used in production, marketing, finance, and management in business operations. Students will engage with a comprehensive business plan project that will be ongoing throughout the semester. *Offered every year.*

| | | |
|---|-------------------|---------------------------------------|
| MARKETING PRINCIPLES (DUAL CREDIT MID-STATE) | Grades 10, 11, 12 | 0.5 Credit* 3.0 Credit (Mid-State) |
|---|-------------------|---------------------------------------|

This course serves as an introduction to the fundamental marketing concepts used to apply marketing strategies to product development, distribution, pricing and promotion of goods and services. This course will incorporate concepts taught in the former Sports and Entertainment Marketing course. ***Offered in even school years starting 2024-2025.***

| | | |
|---|-------------------|---------------------------------------|
| SOCIAL MEDIA MARKETING (DUAL CREDIT MID-STATE) | Grades 10, 11, 12 | 0.5 Credit* 3.0 Credit (Mid-State) |
|---|-------------------|---------------------------------------|

Prerequisite: Either Fundamentals of Marketing or Marketing Principles.

Addresses how social media has transformed marketing communications from traditional mass media to individualized marketing. Using a variety of social media and platforms, this class explores the different methodologies for social media marketing. Topics include creating social media, integrating social media as a part of a marketing campaign, the concept of viral marketing, measuring social media success through analytics, and how organizations and individuals have successfully applied this form of marketing. ***Offered every year.***

| | | |
|--|-------------------|---------------------------------------|
| FUND. OF MARKETING COMMUNICATIONS (DUAL CREDIT MID-STATE) | Grades 10, 11, 12 | 0.5 Credit* 3.0 Credit (Mid-State) |
|--|-------------------|---------------------------------------|

This course prepares the learner to create and manage a wide range of internal and external organizational communications. Learners will be instructed on the interpersonal communication techniques required for success as a marketing professional. Topics will include preparing professionally written content, effectively using verbal and non-verbal communication in a business setting, developing a professional appearance and polish, presentation techniques for the creation and delivery of complex marketing materials, writing press releases, managing crises and speaking with the media. ***Offered in odd school years starting 2025-2026.***

| | | |
|---|-------------------|---------------------------------------|
| PROFESSIONAL COMMUNICATION (DUAL CREDIT MID-STATE) | Grades 10, 11, 12 | 0.5 Credit* 3.0 Credit (Mid-State) |
|---|-------------------|---------------------------------------|

Addresses sensitivity in communications with customers and coworkers. Improve professional effectiveness in your verbal and written communications. Practice active listening and giving high quality responses. Includes international communications, teamwork, working relationships and telephone skills. ***Offered in even school years starting 2024-2025.***

| | | |
|-------------------------|-----------|------------|
| PERSONAL FINANCE | Grades 11 | 0.5 Credit |
|-------------------------|-----------|------------|

Students will utilize spreadsheets to learn how to budget, prepare taxes, and calculate interest. They will learn how to rent an apartment and make large purchases like buying a vehicle or home. Students will also be introduced to saving and investing, including retirements, stocks, bonds, financial institution products and utilize slideshows to present their results.

| | | |
|---|---------------|---------------------------------------|
| ACCOUNTING I (DUAL CREDIT-MID STATE) | Grades 11, 12 | 0.5 Credit* 4.0 Credit (Mid State) |
|---|---------------|---------------------------------------|

A beginning course for accounting majors or students who need a strong foundation in accounting principles. Explores the accounting cycle, journaling, posting, adjusting, closing, and reporting. Introduces service and merchandising businesses and accounting for inventory. Explores issues for accounting for cash, accounts payable and receivable, and fixed assets. Students will also explore the importance of ethics in accounting and career opportunities that exist in the field. ***Year long class offered every year. NOT OFFERED 2024-2025.***

FINANCE AND BUDGETING (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*
3.0 Credit (Mid State)

For the nonfinancial manager, this course introduces the language of accounting, finance, and budgeting. Provides an overview of the use and analysis of financial statements. Business planning and the foundations and development of budgets are explored. Business financing basics and the securing of necessary financing for a business are covered. Practical application of financial statement creation and analysis, budgetary activities, and finance calculations are included. *Offered in even school years starting 2024-2025.*

HARDWARE ESSENTIALS (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*
3.0 Credit (Mid State)

The first in a two-course series that aligns with the CompTIA A+ certification. This class is designed to teach students how to build, configure, secure, network, and troubleshoot PCs/ The course covers the objectives of the Comp TIA A+ exams but is not designed or intended to be a “test prep” course. *Offered in odd school years starting 2025-2026.*

NETWORKING (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*
3.0 Credit (Mid State)

Introduces the architecture, structure, functions, components, and models of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of the course, participants will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course is the first of four courses that align with CCNA certification. Covers the objectives of the first CCNA exam. *Offered in odd school years starting 2025-2026.*

INTRO TO PROGRAMMING (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*
3.0 Credit (Mid State)

Applies the basic concepts of computer programming having learners build JavaScript applications, with an emphasis on problem solving, structured programming, debugging, and testing. Additional topics include: online software development resources, programming and documentation standards, variable lifetime/scope, data types, control structures (conditions and iterations) and mathematical calculations. *Offered in even school years starting 2024-2025.*

WEB DESIGN (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*
3.0 Credit (Mid State)

Introduces HTML and Cascading Style Sheets (CSS) coding techniques. Learners will create/modify web pages using HTML tags and style the web pages with CSS and JavaScript. For the final course project, learners will create a personal website portfolio. Additional topics include copyright considerations, text editors, image optimization, FTP utilities, and browser tools. *Offered in even school years starting 2024-2025.*

CAREER EDUCATION

ODYSSEYWARE

Grades 9-12

0.5 Credit

Web based learning environment that offers many opportunities in Career and Technical Education courses. Students will have lessons, quizzes, and projects to complete. To see the course offerings:

<https://www.odysseyware.com/course-catalog/wisconsin>.

HEALTH CAREER CONNECTIONS

Grades 11, 12

3.0 Credits

Health Career Connections offers internships designed to familiarize students with the various careers in the medical profession. Students will learn skills necessary for their health care career pathway, in addition to working with others, legal and ethical responsibilities, and cultural considerations in the healthcare industry. Nursing Assistant certification will be required between junior and senior year. **NOTE: To apply for Health Career Connections you must complete a program application and interview with employers during your junior year**

YOUTH APPRENTICESHIP /SCHOOL TO WORK

Grade 12

0.5 Credit

Prerequisite: Approval of instructor

The Youth Apprenticeship program is a part of a statewide School-to-Work initiative. It is designed for high school students who want hands-on learning in an occupational area at a worksite along with classroom instruction. **NOTE: To apply for Youth Apprenticeship you must complete a program application and interview with employers during your junior year.**

FAMILY AND CONSUMER EDUCATION

(Includes dual credit Mid-State Tech School of Protective and Human Services classes.)

FOOD EXPLORATION

Grades 9, 10, 11

0.5 Credit

This course is for the student who wants to gain basic food preparation knowledge and skills. Included in the course of study are food habits, nutrition, safety, sanitation and food careers. Food prepared will include pastry, quick breads, yeast breads, pasta, fruits, vegetables, and soups.

CULINARY ARTS

Grades 10, 11, 12

0.5 Credit

Prerequisite: Food Exploration

Develop your culinary and management skills in a professional, commercial laboratory setting. Apply the principles of food preparation in a hands-on setting. Learn the importance of teamwork, work ethic, safety and sanitation. Explore the important role of cuisine in understanding cultures around the world. Understand how a population's food habits are influenced by its environment. Experience the cuisines, cookery principles and standards from around the world.

SANITATION FOR FOODSERVICE OPERATIONS (DUAL CREDIT-MIDSTATE)

Grades 10, 11, 12

0.5 Credit*

3.0 Credit (Mid State)

Students examine the causes of food-borne illness and apply techniques for preparing, storing and serving hot and cold foods from a ServSafe Certified Instructor/Proctor. Students also examine the role of management and workers related to sanitation regulations and standards. The ServSafe certification test is administered in this course and students will need to hold this valid certificate for graduation and employment in the culinary industry.

CHILD DEVELOPMENT I

Grades 10, 11, 12

0.5 Credit

This class will focus on the skills needed to guide the physical, intellectual, emotional, and social development of children. Emphasis is given to the development of competencies related to the study of children, pregnancy and

prenatal development, birth and the newborn, types of growth and development, stages of growth and development, needs of children factors influencing the behavior of children, children with special needs, coping with crises, the effects of technology on child development, and careers related to the area of child development.

CHILD DEVELOPMENT II

Grades 11, 12

0.5 Credit

Prerequisite: Child Development I

This class will continue expanding the students' knowledge on Child Development. The class will focus on determining ways to promote the development of toddlers, ways to encourage good nutrition for preschoolers, promoting the development of school age children, and examining the employability skills necessary for careers related to children and parenting.

ESSENTIAL CONCEPTS FOR HEALTH & WELLNESS (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*

3.0 Credit (Mid State)

This class introduces the student to basic health and wellness promotion principles at the individual level including the six dimensions of wellness, determinants of health and behavior change theory. Students explore a holistic view of health and wellness concepts covering healthy lifestyle choices, managing stress, individual wellness perspective and how economics can positively and negatively impact the health and wellness of an individual. ***Offered in even school years starting 2024-2025 school year.***

NUTRITION FOR HEALTHY LIVING (DUAL CREDIT-MID STATE)

Grades 11, 12

0.5 Credit*

3.0 Credit (Mid State)

Students learn concepts of healthy eating to facilitate the journey of good health across the lifespan. Healthy eating concepts focus on individual decision making and behavior change with sustainable interventions rooted in evidence-based practice. Students investigate nutrition myth versus fact and explore how policy and environment impact nutritional choice. ***Offered in odd school years starting 2023-2024 school year.***

TECHNOLOGY EDUCATION

(Includes dual credit Mid-State Tech School of Advanced Manufacturing and Engineering classes.)

CAD I

Grades 9, 10, 11, 12

0.5 Credit

The purpose of this class is to provide students with a basic understanding of technical form drawing in contrast to artistic drawing. Students will become familiar with the characteristics of drawing and relationship to design. The class is centered around learning to use and using AutoCad drafting software. Students will learn on 3D Cad, 2D CAD and for Plasma Table and Laser Engraver. Students will take a project from concept to manufacture to completed product. ***Offered in fall semester.***

CAD II

Grades 10, 11, 12

0.5 Credit

Prerequisite: CAD I and approval of instructor

This class is an extension of CAD I, which will be a project based class.

SMALL ENGINE MECHANICS I

Grades 9, 10, 11, 12

0.5 Credit

Are you interested in engines and how they work? This course is designed to introduce you to small engine parts identification and function. We will develop an understanding of the 4 Stroke Cycle as well as troubleshooting basic problems with a gas engine. You will disassemble, evaluate and reassemble complete engines during the semester. Basic engine theory will be completed through Briggs and Stratton Power Portal. Small Engines 2 will have a focus on independent work and diagnostics. ***Offered in fall semester.***

SMALL ENGINE MECHANICS II

Grades 10, 11, 12

0.5 Credit

Prerequisite: Small Engine Mechanics I

This class is an extension of Small Engine Mechanics I. ***Offered in spring semester.***

INTRODUCTION TO AUTOMOTIVE

Grades 10, 11, 12

0.5 Credit

Students will gain an understanding of the mechanical operation of the modern automobile. We research the needs and wants of the driver, the values of new and used cars and the maintenance requirements of various cars. Discussions are held on the financial aspects of car ownership and driver responsibility. In the process, we will learn to use hand tools and power tools in the process of maintaining and repairing cars. Some of the areas covered are general maintenance, cleaning and detailing. ***Offered in spring semester.***

METALS FUNDAMENTALS I

Grades 9, 10, 11, 12

0.5 Credit

The fundamentals of working with metal will include cutting, welding, machining, bending and shaping. The tools and equipment that will be used include basic hand tools, oxy-acetylene torch, plasma cutter, FCAW, GMAW, GTAW, SMAW, lathe, milling machine grinder, and plasma table. ***Offered in fall semester.***

METALS FUNDAMENTALS II

Grades 10, 11, 12

0.5 Credit

Prerequisite: Metal Fundamentals I and approval of instructor

This class is an extension of Metals Fundamentals I. Students will learn advanced welding and metal fabrication skills. ***Offered in spring semester.***

METALS FUNDAMENTALS III

Grades 11, 12

0.5 Credit

Prerequisite: Metal Fundamentals II

Metal Fundamentals III is an independent metals class that runs in conjunction with either Metals Fundamentals I or Metals Fundamentals II. Students will work on a major metal working project of choice or an assigned project by the instructor. ***Offered in every other year - spring semester.***

WOODS I

Grades 9, 10, 11, 12

0.5 Credit

The emphasis of this class will be on the recognition and use of hand and power tools and the woods used in carpentry and woodworking. Each student will employ the skills they acquire to make wooden products that will vary in difficulty based on student ability. ***Offered in fall semester.***

WOODS II

Grades 10, 11, 12

0.5 Credit

Prerequisite: Woods I

In addition to a more detailed presentation of hand tools and woods, students will be introduced to a variety of power tools useful in carpentry. They will create more complicated wood products. ***Offered in fall semester.***

WOODS III

Grades 11, 12

0.5 Credit

Prerequisite: Woods II and approval of instructor

Woods III is an independent woodworking class that runs in conjunction with either Woods I or Woods II. Students will work on a major woodworking project of choice or an assigned project by the instructor. Successful completion of both Woods I and II is a must, and students will be selected by the instructor. Further knowledge of woodworking will be discussed, along with safety, operation, and machine maintenance. ***Offered every other year - fall semester.***

**BUILDING AND
CONSTRUCTION**

Grades 11, 12

0.5 Credit

Prerequisite: Woods 1 and approval of the instructor

This course is designed for those students with a strong interest in construction and carpentry related careers. Students will learn about the many tools, techniques, and materials used in the construction industry. The course often centers around one large building project and students should be prepared for some physical labor. Students will also gain the knowledge and skills needed to interpret technical drawings and build residential components. This course will also include basic residential electricity and home repair. ***Offered in fall semester.***

**BUILDING AND
CONSTRUCTION II**

Grades 11, 12

0.5 Credit

Prerequisite: Building and Construction I and approval of the instructor

This class is an extension of Building and Construction I. Students who take Building and Construction II will work on their leadership and project planning skills. ***Offered in spring semester.***

**WELDING FUNDAMENTALS 1
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit*

1.0 Credit (Mid State)

An introduction to fundamental welding techniques with an emphasis on safe work habits that covers the processes of FCAW, GMAW, and OXY-Fuel cutting. Classroom instruction paired with lab activities are designed to provide fundamental skills in each of the welding processes covered in the class. ***Offered every year.***

**WELDING FUNDAMENTALS 2
(DUAL CREDIT-MID STATE)**

Grades 11, 12

0.5 Credit*

1.0 Credit (Mid State)

An introduction to fundamental welding techniques with an emphasis on safe work habits that covers the processes of GTAW, SMAW and Plasma cutting. Classroom instruction paired with lab activities are designed to provide fundamental skills in each of the welding processes covered in the class. ***Offered every year.***

Prerequisite: Approval of the instructor

Students will decide to do an independent study of their choice of wood working or metal working. Students will plan and complete a project using skills acquired from previous woods or metals classes. Minimal assistance and instruction will be given in order to advance personal skills.

DUAL CREDIT CLASSES



Columbus Catholic Schools is in partnership with MidState Technical College for Dual Credit offerings. Full class descriptions are listed in the corresponding department (pages 32-39). You will be receiving High School and Technical School credit. Classes are graded on a weighted scale the same way as honors classes.

SCHOOL OF BUSINESS AND TECHNOLOGY

- Accounting
- Business Communications
- Finance and Budgeting
- Fundamentals of Marketing
- Communications
- Hardware Essentials
- Introduction to Business
- Introduction to Programming
- Marketing Principles
- Social Media Marketing
- Networking
- Quality Customer Service
- Web Design

SCHOOL OF PROTECTIVE AND HUMAN SERVICES

- Essential Concepts for Health & Wellness
- Nutrition for Healthy Living
- Sanitation for Foodservice Operations

SCHOOL OF ADVANCED MANUFACTURING AND ENGINEERING

- Welding Fundamentals 1
- Welding Fundamentals 2