

WORTHINGTON CHRISTIAN HIGH SCHOOL

Course Description Catalog



WORTHINGTON
CHRISTIAN SCHOOLS

2018 - 2019

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It is the Mission of Worthington Christian High School to Develop the Mind of Christ in Students through Rigorous Intellectual, Creative and Physical Pursuits.

CHRISTIAN STUDIES, REQUIRED COURSES

4 credits are required (1 credit for each year in attendance)

CHRISTIAN STUDIES 9 – Biblical Background

1 period – 2 semesters

1 credit

This class serves as a survey of the First and Second Testaments. Students spend two-thirds of the year in the First Testament and the remaining third covering the epistles of the Second Testament. Throughout the year students learn the major themes of these books of the Bible and how they fit into the greater meta-narrative of the Bible.

CHRISTIAN STUDIES 10 – Gospels and Acts

1 period – 2 semesters

1 credit

This course examines the four gospels, Acts, and Paul's Corinthian correspondence. The life of Christ is examined along the theological lines of the synoptic gospels, paying special attention to the death, burial and resurrection of Christ

CHRISTIAN STUDIES 11 – Pauline Epistles and Christian Theology

1 period – 2 semesters

1 credit

In this course we will read, study, and discuss Paul's letters. The course will focus on Romans, Galatians, Ephesians, Philippians, and Colossians, but we will refer to other biblical texts as we investigate how Paul's letters fit in the larger context of the Bible. Special attention will be given to the historical, cultural, and social background of Paul's letters, as well as the theological points made in each letter. We will also discuss how Paul's letters inform our modern Christian theological perspectives.

CHRISTIAN STUDIES 12 – Worldview and Doctrine

1 period – 2 semesters

1 credit

This course attempts to prepare the mind for the battle of adulthood and freedom that is ahead. This course combines the study of classic apologetics and a ready defense of the truth claims of Christianity with an in-depth look at the philosophical and religious systems prevalent in the postmodern world. These philosophies will be compared to Scripture and a consistent Christian view of the world to demonstrate how a relationship with God, through Christ Jesus, is the only thing that will satisfy man's soul.

CHRISTIAN STUDIES, ELECTIVE COURSES

Recommended for all students wishing to grow in their Christian faith and walk

AMERICAN CULTURE

1 period – 1 semester

½ credit

This course discusses various influences that have shaped American culture today and the current culture's ethics and value system. The depth of these influences, their positive and negative aspects, and the Christian response to such cultural developments will be analyzed. The reading done in this class is non-fiction and extensive. Students will write reflective journals and argumentative papers on each of the topics discussed in class.

- Pre-requisites: None

BIBLICAL HEBREW I

1 period – 2 semesters

1 credit

In this course, we will examine the elemental features of Biblical Hebrew – the language in which the Old Testament was penned. In particular, we will examine the Biblical Hebrew nominal system, the basics of the verbal system, and rudimentary syntax. Students will acquire basic proficiency in reading Biblical Hebrew by the end of this course.

- Pre-requisites: None

CHRISTIAN MARRIAGE AND FAMILY

1 period – 1 semester

½ credit

The focus of this course is the God-established institution of the Christian home. The course begins with a brief overview of the biblical foundations that govern all successful human social relationships, particularly within the family unit. Special attention will then be given to determining biblical guidelines for dating, the selection of a mate, and sexual conduct. The roles of the husband and the wife, as well as their relationship to one another and to their children, are discussed in detail. A biblical definition of marriage, including God's standards for marital fidelity, is established. The question of divorce and remarriage are established and discussed from a biblical perspective.

- Pre-requisites: None

COMPARATIVE RELIGIONS

1 period – 1 semester

½ credit

This class looks at the basic unifying beliefs that form the foundation to the false religions and cults throughout history. It takes a historical and systematic approach to the study of the major religions and cults

in the world which students are most likely to encounter. In addition, it evaluates beliefs that have shaped the secular culture students live in today.

- Pre-requisites: None

DANIEL AND THE MINOR PROPHETS

1 period – 1 semester

½ credit

This course studies Daniel and each of the Minor Prophets. The historical background of the prophets, their prophetic message, and personal applications that can be taken from each book are discussed. Students write personal reflective journals and analytical papers on each prophet's writings. Some memorization is required.

- Pre-requisites: None

PHILOSOPHY

1 period – 1 semester

½ credit

The world is full of ideas. How does one make sense of the plurality? This course deepens students' ability to reason through many of the challenges presented to Christians by unbelievers. Throughout the semester, students take the responsibility of guiding the class instruction. Special attention is given to examination of postmodernity, particularly as manifested within Christendom.

- Recommended for: This course is very beneficial to students anticipating future studies in fields or careers that traditionally have been hostile to faith in God.
- Pre-Requisites: None

BIB-1003G – OLD TESTAMENT HISTORY AND LITERATURE

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Dr. Joe Price

A survey of the books of the old Testament with emphasis given to the significant historical events, personalities, and theological traditions of Israel.

In this course, students will examine the books of the Old Testament, with attention given to the Old Testament's literary features, theological emphases, and its intersection with ancient culture and history. Important issues in the history of the interpretation of the Old Testament will also be addressed.

BUSINESS AND TECHNOLOGY

BUSINESS

ACCOUNTING I

1 period – 1 semester

½ credit

Accounting I provides the student with a background in basic accounting procedures used to operate a sole proprietorship business. The course offers solid business concepts for employment in office and business-related jobs and prepares the student for studying business courses in college. Although the course utilizes basic math skills, it is not a math class.

- Recommended for: Students considering a business career. Open to sophomores, juniors and seniors.
- Outcomes: The course is a valuable tool for students who want to learn how to recognize & summarize personal records in order to make better financial decisions.
- Pre-requisites: None

ACCOUNTING II

1 period – 1 semester

½ credit

Accounting II provides the student with advanced background in basic accounting procedures used to operate a partnership business and a corporation. In addition to material covered in Accounting I, students are exposed to the basics of investing through an online stock market game and the investigation of various investment methods. Although the course utilizes basic math skills, it is not a math class.

- Recommended for: Students considering a business career. Open to sophomores, juniors and seniors.
- Outcomes: The course is a valuable tool for the student who wants to learn how to recognize and summarize personal and business records in order to make better financial decisions.
- Pre-requisites: Accounting I

BUSINESS PRINCIPLES AND MANAGEMENT

1 period – 2 semesters

1 credit

The classroom teacher and business leaders from the community will present students with an understanding of the nature of business, how it operates, and how it is managed. Special guest speakers and field trips to local businesses add a dynamic approach to understanding current business practices. Student-formed companies bring excitement and motivation to the class, utilizing multi-media presentations of their business plan.

- Recommended for: Strongly recommended for the student who is considering a business career or desires to learn more about owning and operating a business. It is also designed for any student who wants to be a well-informed consumer and make better financial decisions. Open to sophomores, juniors, and seniors.
- Pre-requisites: None

INTERNSHIP ACADEMY

3 periods – 1st semester

1.5 credit per semester (pass-fail)*

This class roster has already been determined, this information is supplied for upcoming juniors to consider for their senior year.

Internship Academy provides an opportunity to observe and learn from a mentor in a career-specific profession about functioning and thriving in the marketplace while exercising his/her faith and developing skills, abilities, education, and training.

Once accepted into the program, each student will spend time in class at the beginning and end of the semester with the IA Advisor to discuss and learn the importance of Godly leadership, workplace etiquette, policies and confidentiality, communication, writing resumes, and preparing for job interviews. They will be placed in two six-week career site placements related to his/her career interests with a mentor in that related profession. Each student will work (unpaid) a minimum of sixty (60) hours in each placement (an average of ten hours per week). During the student's placements he/she will be responsible to document hours completed and write a weekly journal of experiences and what was learned. The course is offered in a three (3) period block. Therefore, for scheduling purposes students need to set aside three periods for this course.

- Recommended for: Highly motivated, independent senior students.
- Outcomes: At the end of the semester, students showcase their internship experiences via the Internship Academy "In Review".
- Pre-requisites: The Internship Academy is open only to seniors who must first go through an application, interview, and faculty review process in the spring of their junior year. The student must provide his/her own transportation to the placement sites. Expenses may be incurred (depending on the placement) for parking, background checks, health exams, etc. These expenses are NOT reimbursable by WCS. Acceptance into Internship Academy is limited to 12 students. Due to HIPAA regulations, students wishing to pursue healthcare and counseling internship placements MUST secure written confirmation of internship acceptance by the mentor and his/her organization prior to Memorial Day.
- Special Note: Taking Internship Academy may prohibit taking other courses due to schedule conflicts.

WORK READINESS (In cooperation with early release)

.5 credit per semester

Seniors only

Work Readiness gives seniors who have early release the opportunity to earn ½ an elective credit per semester. Students who hold a job and whose supervisor is willing to cooperate would be eligible for this elective. Supervisors will evaluate participants based on 15 measures, all of which foster the development of soft skills that will be useful for any job in the future. Progress on those measures will provide the basis for a "Pass" and the granting of elective credit. Being fired from the job would result in a "Fail" for the class.

PERSONAL FINANCE

1 period – 1 semester

½ credit

Personal Finance is designed to address the growing need for using godly wisdom in making financial decisions. Students will learn to view money and its use from studying God's Word. From that foundation they will have the opportunity to apply relevant fundamental money management skills to meet the demands as adults in the workplace, as well as succeed at their job and in everyday life. Topics include calculating gross income, paying taxes and completing income tax returns, keeping accurate records, establishing savings and checking accounts, making cash and credit card purchases, understanding the impact of credit ratings, planning for a future career, applying for a loan, buying insurance, purchasing a vehicle, making mortgage payments, investing, and more.

- Recommended for: Open to sophomores, juniors, and seniors.
- Pre-requisites: None

TECHNOLOGY

CADD I – Beginning Computer Aided Design and Drafting

1 period – 1 semester

½ credit

The CADD I class is crafted to introduce students to design fundamentals, terminology, drawing, setup, and technique. This course does not require students to have any previous drafting experience.

- Recommended for: The student who is considering a career in engineering or design.
- Outcomes: By the end of this course, students will have a working knowledge of the AutoCAD 2013 drafting environment and will have produced a number of basic drawing files.
- Pre-requisites: None

CADD II – Advanced Computer Aided Design and Drafting

1 period – 1 semester

½ credit

The CADD II class is crafted to build upon the previous design fundamentals, terminology, advanced drawing setup, and technique acquired by the student in CADD I.

- Recommended for: The student who is considering a career in engineering or design
- Outcomes: Students will gain a comprehensive knowledge of the AutoCAD 2013 drafting environment, a working knowledge of the Revit 2013 modeling environment, and will have produced a number of complex drawing files and a detailed virtual three dimensional model.
- Pre-requisites: CADD I

MICROSOFT OFFICE I

1 period – 1 semester

½ credit

The beginning Microsoft Office class focuses primarily on Word, Excel, and PowerPoint Applications. Gained proficiencies in these three core programs will help students to plan, organize and disseminate information.

- Recommended for: The student who wishes to develop basic skills producing documents, spreadsheets, power points, and presentations.
- Outcomes: Students will be able to create vibrant and persuasive presentations suitable in venues from the high school classroom to the corporate boardroom.
- Pre-requisites: None

PROGRAMMING – Visual Basic

1 period – 1 semester

½ credit

Visual Basic Programming is a course designed to introduce students to the Visual Basic Programming Language. This course does not require students to have any previous programming experience. The computers in the computer lab will be utilized to create, compile, debug, and run Visual Basic programs.

- Recommended for: Anyone interested in beginning programming or who wants to explore critical thinking.
- Outcomes: Students will gain a working knowledge of the Visual Basic programming language constructs and will have created many working Visual Basic programs.
- Pre-requisites: None

PROGRAMMING – C++ I

1 period – 1 semester

½ credit

The C++ I Programming class is designed to introduce students to the C++ Programming Language and the Object Oriented Programming (OOP) Model.

C++ Programming syntax and language constructs is explained, and students will write simple C++ programs and progress during the semester to use more advanced C++ programming techniques. The computers in the computer lab will be utilized to create, compile, debug, and run C++ programs.

- Recommended for: Anyone interested in beginning to mid-level programming.
- Outcomes: Students will gain a working knowledge of basic C++ programming language constructs and will have created many working C++ programs.
- Pre-requisites: None

PROGRAMMING – JAVA

1 period – 1 semester

½ credit

The Java Programming class is designed to introduce students to the Java Programming Language and also to the Object Oriented Programming (OOP) model. Java Programming techniques and language constructs are explained, and students write beginning Java programs and progress during the semester to add more advanced Java programming techniques to their programming exercises. The PC-based Oracle JAVA SDK is used as the JAVA run time environment for this class, and the freely available jGrasp JAVA IDE from Auburn University is utilized. The Greenfoot programming environment and the College Board Advanced Placement Computer Science Gridworld project is also used for Java programming assignments.

- Recommended for: Anyone interested in mid-level programming. The course moves at a faster pace than C++ course.
- Outcomes: Students gain a basic working knowledge of Java programming language constructs and will have created many working Java programs.
- Pre-requisites: None

ROBOTICS I

1 period – 1 semester

½ credit

The Robotics class is designed to introduce students to mechanical design and construction of robotic devices. Students learn basic robotic construction and how to program basic robotic behaviors using motors and rotation, sound, light, touch, and ultrasonic sensors

- Recommended for: The student who is interested in math and science, and students considering a career in engineering.
- Outcomes: Students gain a basic working knowledge of the scientific method and inquiry, programming constructs related to robotics, and will have created a working robot that implements instructions through computer programs.
- Pre-requisites: Minimum grade of C in Visual Basic or C++ or JAVA.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

1 period – 2 semesters

1 credit

This course is 1.3 weighted

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. While programming is contained in this course, the focus is on using technology and programming as a means to solve computational problems. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. The course is a STEM (Science, Technology, Engineering & Mathematics) course focusing on these specific areas; how computing connects society, creating using technology (animations, digital music,

websites, programs), abstraction for developing models & simulations, analyzing & evaluating computational work, communicating the impact of technology, and collaboration.

- Recommended for: Open to sophomores (with a minimum grade of B+ in Geometry), juniors and seniors with interests in mathematics and science considering a technology career.
- Pre-requisites: A programming class (Visual Basic, C++, or JAVA.)
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

FINE ARTS, PERFORMING DRAMA/THEATER

THEATRE I

1 period – 1 semester

½ credit

This class covers the basics of acting and performance. The course studies improvisation, history, terminology, and acting as students compare the world of theatre to the Christian world. Students look at the strength and power of theatre as a stimulant for growth in themselves and their Christian walk.

- Recommended for: Open to all students and will include going as a group to attend outside theatre productions, as well as to offer a chance to perform both inside and outside of the classroom.
- Pre-requisites: None

THEATRE II

1 period – 1 semester

½ credit

Theatre II is for the more serious enthusiast. Students will work on the school spring production as well as put together their own night of theatre. The class will work through a production from audition to curtain call and deal with everything in between. This class will stretch students in their knowledge and performance of the theatre.

- Recommended for: The serious theatre enthusiast
- Pre-requisite: Theatre I

MUSIC

CHOIR – Women’s or Men’s

1 period – 2 semesters

1 credit

Choir is a combination of three performing groups, (Men’s Choir, Women’s Choir and Mixed Choir) rehearsing daily for the full year. Each student will have the opportunity to audition for an ensemble if he/she desires. Students will, over time, learn the fundamentals of proper vocal production, musical expression, and sight-reading. Choir requires time outside of class for various rehearsals, concerts, performances, festivals, and contests. Some apparel purchase is required at a cost of between \$70-\$90. This is a one-time expense as it can be used throughout the high school years.

- Recommended for: This course is open to all students.
- Pre-requisites: Previous membership with a recommendation from a previous director or permission of director.
- Special Note: Choir is a full year course.

BAND

1 period – 2 semesters

1 credit

Students involved in the band program will enjoy a yearlong program of improving their musicianship through rehearsing and performing a variety of musical styles, including classical, jazz, and pop. There will be opportunities for band members to perform at solo and ensemble competition or other music festivals. Attendance at rehearsals, concerts, performances, festivals, and contests outside of the school day is required. Apparel purchase is required at a cost of approximately \$70-\$90. This is a one-time expense as it can be used throughout the high school years.

- Pre-requisites: Previous membership or permission of director.
- Special Note: Band is a full-year course.

CHAMBER ORCHESTRA

1 period – 2 semesters

½ credit

Students involved in Chamber Orchestra will enjoy a yearlong opportunity to play varied styles of musical literature from the Baroque to Contemporary eras. Emphasis will be placed on improving technical skills, musicianship, ensemble training, and group performance skills. Attendance at rehearsals, concerts, performances, festivals, and contests outside of the school day is required. Some apparel purchase is required, at a cost of between \$70 - \$90. This is a one-time expense as it can be used throughout the high school years.

- Pre-requisites: Previous membership or permission of director.
- Special Note: Chamber Orchestra is a full year course.

MUSIC THEORY, EAR TRAINING & HISTORY I, II, III, IV

1 period – 1 semester

½ credit

Music Theory, Ear Training, and History is an integrated course focusing on reading and writing music and the history of Western music. Topics covered will include notation, meter, scales, intervals, triads, chords, sight singing with solfeggio, ear training, and dictation (harmonic, melodic and rhythmic), as well as the six major eras of Western music. The course can be taken additional times for the student who wants to progress to the second and third level. Previous music reading and organizational skills are highly recommended for success in this class.

- Recommended for: This course is strongly suggested for any prospective music major.
- Pre-requisites: None for Music Theory 1, Teacher suggested for Music Theory II-IV

FINE ARTS, VISUAL

DRAWING – BEGINNING

1 period – 1 semester
½ credit

This class makes drawing easier and students' drawings more accurate! Students will learn basic steps to improving realism in their drawings, as well as learning to analyze and respond to art. A field trip to see local art will emphasize lifelong learning in the arts.

- Recommended for: This class is recommended for those with little or no drawing experience.
- Pre-requisite: None

DRAWING – ADVANCED

1 period – 1 semester
½ credit

Advanced Drawing students develop new solutions from challenging ideas. Students use a variety of media: pencil, marker, paint, pen, chalk, pastel. New and improved lessons, such as extreme perspective and inventive mark making will secure students' success. This class provides exemplary pieces and practice for AP Art. Museum visit included.

- Pre-requisite: Beginning Drawing

PAINTING – BEGINNING

1 period – 1 semester
½ credit

This class teaches beginning techniques such as blending, layering, and traditional use of several types of paint. A field trip to the Columbus Museum of Art will encourage lifelong learning in the arts as students will understand what the artists are trying to accomplish.

- Recommended for: This class is recommended for those with little or no prior painting experience.
- Pre-requisite: None

PAINTING – ADVANCED

1 period – 1 semester
½ credit

Students will build skills in traditional media and forms. They will use watercolor, acrylics, and mixed media and learn principles of design. Students will be involved in a continuing study of art history, theory, and critical review. Fresh approaches will begin to secure the student's AP portfolio. Museum visit included.

- Pre-requisite: Beginning Painting

ADVANCED PLACEMENT DRAWING

1 period – 2 semesters

1 credit

This course is 1.2 weighted.

This class offers a unique opportunity for students to work in their own studio space! Students will work on portfolios with the goal of College Board submission of 24 major pieces that meet very specific college-board requirements in May of their junior or senior years for AP Drawing. This is a college level class and has high standards and expectations for both classwork and daily homework. AP art is suitable for seniors or for juniors who would like their scores before senior year. A sketchbook, art show, group critique, and increasing awareness of the art world are all essential parts of this opportunity to achieve more in art.

- Pre-requisites: Advanced Drawing, Advanced Painting, and permission of instructor.
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

ADVANCED PLACEMENT 2-D DESIGN

1 period – 2 semesters

1 credit

This course is 1.2 weighted

This class offers a unique opportunity for students to work in their own studio space for a second year. Students will work on portfolios with the goal of College Board submission of 24 major pieces that meet very specific college-board requirements in May of their senior year for AP 2-D Design. Like AP Drawing, this is a college level class and has high standards and expectations for both classwork and daily homework. AP 2-D is suitable for seniors who have completed AP Drawing. A sketchbook, art show, group critique, and increasing awareness of the art world are all essential parts of this opportunity to achieve more in art. All AP 2-D students will be required to take the AP test at the end of this course.

- Pre-requisites: Advanced Drawing, Advanced Painting, AP Drawing, and permission of instructor
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

DIGITAL ART

1 period – 1 semester

½ credit

Digital Art is a creative technological collage of many visual media. Students will work with the elements and principles of art to strengthen their ideas and themes. The class will reflect on the value of art in society and create thoughtful answers to contemporary questions.

- Pre-requisites: None

BOOKMAKING – BOOKBINDING

1 period – 1 semester

½ credit

In Bookbinding, students will learn the basic bookbinding techniques and create six different book forms from an accordion book to a final hardbound book. The class will study the history of books to gain an appreciation for books. Students will develop hand-made and hand decorated papers to include in their books, designing, and constructing their own limited edition books.

- Pre-requisites: None

CERAMICS I

1 period – 1 semester

½ credit

Students will enjoy this class if they like to build and create with clay. Techniques learned will include building stoneware pieces by hand and throwing on the potter's wheel.

- Pre-requisite: None

CERAMICS II

1 period – 1 semester

½ credit

Students in Ceramics II will continue to develop the techniques learned in Ceramics I. Students will develop skill in hand building processes, throwing, and trimming pieces on the potter's wheel. Ceramics II may be taken twice during the four years of high school.

- Pre-requisite: Ceramics I

ADVANCED CERAMICS

1 period – 1 semester

½ credit

Students in Advanced Ceramics will continue the hand building and throwing process using high-fire clay and glazes. Students will understand mixing glazes and maintaining ceramic supplies and tools, i.e. loading the kiln. Students who take this course will be responsible for displaying their completed work.

- Pre-requisite: Ceramics II

FIBER ARTS

1 period – 1 semester

½ credit

Students will explore the areas of papermaking, printmaking, basketry, batik and Shibouri or Japanese fabric sculpture. Students will gain knowledge of the history of each process and develop projects using

knowledge gained in each area. Students will make paper, produce prints, weave a basket and create batik and Shibouri fabric pieces.

- Pre-requisite: None

BEGINNING DIGITAL PHOTOGRAPHY

1 period – 1 semester

½ credit

This class will focus on introducing the student to basic photographic principles and practices. As well as providing formal study and evaluation of the history of photography, it will primarily emphasize actual in-class and on-site experience allowing the student to develop proficiency in the skills and techniques discussed during the course.

The major areas of study include: (1) the camera and its technology, (2) proper use of shutter speed, aperture and ISO, (3) use of natural and artificial light, (4) exposure control, (5) tools of composition, (6) appropriate use of depth of field, and (7) basic editing of final images.

Assigned projects are theme-based, designed to progressively build upon skills learned in class. Peer review and presentation of each submitted project is incorporated as a critical part of skill development. Past and present photographic masters such as Ansel Adams are studied and critiqued. Students will develop baseline proficiencies using simple photo editing software such as Google Picasa to enhance and manipulate final images, including the incorporation of “green screen” technology. At least one field trip will occur during the course of study. Students will select and submit two (2) images to be judged in the seasonal art show.

- Pre-requisite: None

ADVANCED DIGITAL PHOTOGRAPHY

1 period – 1 semester

½ credit

Advanced Digital Photography will reinforce and expand upon the skills learned in the Beginning Digital Photography class. The students must demonstrate a basic understanding of all concepts learned in the previous class as a prerequisite for admission. During this advanced course, learners will (1), refine their compositional skills, (2) demonstrate stronger control and mastery of camera functions, (3) show advanced proficiencies in exposure control, and (4) demonstrate core techniques and basic skill in the use of photo editing software.

All assignments will be theme-based. However, in this course, a project may require multiple images to be submitted as part of a photographic set. In addition, projects may include unusual shooting situations or locations. Topics including nighttime photography, time-exposure, unusual use of lighting, portrait, sports and astrophotography may also be explored as part of the course of study. A minimum of one to a maximum of three field trips will be incorporated as part of the course.

- Outcomes: Students will submit no less two (2) images, or a themed set of at least three (3) images to be judged in the seasonal art show and will maintain all finished and watermarked images in a personal portfolio.
- Pre-requisites: The prerequisite for this course is completion of Beginning Digital Photography with a grade of B or better, and/or permission from the photography instructor.

- Special Note: A Digital Single Lens Reflex (DSLR) or mirror-less camera or equivalent is strongly recommended for this course.

TEXTILE ARTS

1 period – 1 semester

½ credit

Students will work with all forms of fibers and textiles. Students will create a quilt square that will become a pillow cover, using the sewing machine for some of the work. Students will make natural soap and design the packaging for the soap. They will learn to knit and complete a scarf, weave a traditional Indian wedding basket, design a room interior, and work with dyes to create a folded Japanese patterned scarf.

- Pre-Requisite: None

LANGUAGE ARTS, REQUIRED COURSES

ENGLISH 9

1 period – 2 semesters
1 credit

English 9 provides a foundation for the study of literature and composition. Through the study of a variety of types of literature, such as the short story, poetry, and the novel, the student will develop knowledge of terms and techniques, giving the skills to analyze literature. The course will further serve as a workshop to develop more sophisticated grammar and writing skills needed throughout high school and college. Emphasis is placed on writing as a process.

ENGLISH 10 – World Literature and Composition

1 period – 2 semesters
1 credit

English 10 trains students to engage complex ideas with precise vocabulary, convincing arguments, and clean writing. These skills will be cultivated through the study of literature: novels, short stories, poems, dramas, and myths from authors around the world. Through year-long practice, students will fortify strong foundations of grammar and vocabulary, enabling them to construct clear, graceful sentences in four genres of writing: literary analysis, persuasion, personal essay, and a major research paper.

ENGLISH 11 – College Preparatory

1 period – 2 semesters
1 credit

The English 11 course is designed to provide juniors with a chronological, systematic study of American Literature, involving close reading of literature, intensive writing and revising, critical thinking, and the discussion of literature. The course involves the analysis of works of poetry, prose, short stories, novels, and drama. Students in English 11 will develop their abilities to analyze literature and the philosophical mindset of the authors, in conjunction with a brief overview of historical eras and philosophies (e.g., Transcendentalism, Realism, Naturalism). Advanced grammar topics will be presented, especially in view of usage in student writing and literary devices; a study of vocabulary from Greek roots and prefixes; and numerous in-depth writing exercises that will include researched critical analyses involving secondary sources.

ADVANCED PLACEMENT ENGLISH 11

1 period – 2 semesters
1 credit

This course is 1.2 weighted.

The AP English Literature and Composition course is designed to provide students with a detailed, chronological overview of American Literature, and, in the process, to encourage them to question authorial craft and purpose through the discussion of challenging works of poetry, prose, nonfiction, satire, short

stories, novels, and drama. This particularly rigorous, college-level course is also intended to enable students to become skilled in composing for different audiences and purposes; in identifying literary structures and conventions; in using effective diction, varied sentence structure and correct grammatical form; and in mastering stylistic rhetorical devices while analyzing great literature. The course also includes the review of grammatical concepts and a wide range of literary devices each week, in addition to a focus upon vocabulary learned from Greek roots and prefixes.

Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

- Recommended for: Juniors desiring to take the course must have advanced reading and writing skills, and should be ready for challenging reading material, critical analysis, and a grasp of abstract thought.
- Pre-requisites: An A average in English 10 or B+ in Honors English 10.

ENGLISH 12

1 period – 2 semesters

1 credit

The purpose of English 12 is to develop within the seniors the ability to comprehend and to interact with various literary genres from world literature. Emphasis will be on reading comprehension, critical analysis, and the ability to effectively communicate through writing responses to the ideas presented in the literature. Vocabulary, journal writing, research skills, and oral presentations are all part of the curriculum as well. Reading and critiquing novels, plays, and non-fiction writings outside of the classroom are a significant part of the student's assessment.

ADVANCED PLACEMENT ENGLISH 12

1 period – 2 semesters

1 credit

This course is 1.3 weighted

This advanced course is, in part, an assimilation of skills, concepts, and information taught in previous years of high school. There will be a major emphasis on literary analysis and composition. The literature read will include fiction and non-fiction from a variety of selections taken from world literature. The writing will be primarily based on students' critiquing of the ideas and worldviews encountered in the literature. Vocabulary will emphasize roots and prefixes and the development of context skills. Reading comprehension, research, extensive out of class reading, group discussion, and individual oral presentations will all be part of the curriculum.

Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

- Recommended for: Seniors desiring to take the course must have advanced reading and writing skills, and should be ready for challenging reading material, critical analysis, and a grasp of abstract thought.
- Pre-requisites: An A average in English 11 or B+ in AP English 11.

INTRODUCTION TO SPEECH

1 period – 1 semester

½ credit

This required course is designed to teach students how to deliver an effective speech and learn the basics types of public speaking. Successful communication skills are required in nearly every profession and are often the determining factor in career advancement. Learning effective verbal and non-verbal communication skills will give students the poise, confidence, and skills they need to be able to communicate effectively both in and out of school. Students will begin with basic exercises to minimize anxiety and will then move on to shorter, informative speeches. A diverse range of speeches will be delivered over the course including Impromptu and Extemporaneous Speaking, Persuasive Speaking, and Personal Testimony.

- Pre-requisites: None

LANGUAGE ARTS, ELECTIVE COURSES

SPEECH & DEBATE – Competitive

1 period – 1 semester

½ credit

Students will learn the basics of speech for competition as outlined by The National Forensics League in both Interpretative Events and Debate. In addition, they will learn the fundamental rules and format of Mock Trial Competition as outlined by The Ohio Center for Law-Related Education. Students will choose one or more competitive events to participate in during the school year. They will compete in either an off-campus Ohio National Forensics Competition and/or choose to participate on a Mock Trial Team that competes off-campus with other local schools.

- Recommended for: Students with an interest in speech or acting, studying logic, debate or law. This course will greatly help students wishing to study Public Speaking, Mass Communications, Public Relations, Law and Law-Related Studies, Political Science, Acting and Theatre.
- Pre-requisite: None. Freshman will be allowed to participate if space allows.

iJOURNALISM I – INTRODUCTION TO JOURNALISM

1 period – 1 semester

½ credit

Journalism is about telling stories that pursue the truth. This course is designed to teach students how to tell a story in a fresh and unique way. The course uses cameras and iPads and is designed to establish a broad understanding of news history, writing, production, social media, and personal mobile devices. Assessments will include a few quizzes and tests, but mostly projects and hands-on application. One of the highlights of the semester will include a field trip to a local TV news or radio station. Students will be expected to attend several WC events throughout the semester in order to capture the story as it unfolds.

- Pre-requisites: None

iJOURNALISM II – ADVANCED JOURNALISM

1 period – 1 semester

½ credit

This course takes storytelling to another level as it builds upon the foundation gained from iJournalism I. Students will hone their investigative, interviewing, and presentation skills as they research, write, and produce feature multiplatform, multimedia, and mobile stories utilizing online blogs, YouTube, social media, and live Channel 3 broadcasts. Assessments will be based solely on projects, as this course provides practical, hands-on experience utilizing technology for writing, producing, and presenting news in the 21st century. One of the highlights of the semester will include a field trip to a local news organization and radio station. This course puts students right in the middle of the action, and as a member of the iJournalism News Team, students will be expected to make WC events a priority throughout the semester in order to capture the story as it unfolds.

- Pre-requisite: iJournalism

LIVE BROADCASTING & PRODUCTION

1 period – 1 semester

½ credit

If you've ever wanted to be a play-by-play commentator, morning show host, executive producer, camera operator, boom operator, lighting director, graphic designer, director, chief engineer, program director, editor, reporter, copy writer, live-streamer or audio/video technician, then this is the course for you!

This brand new course will focus on all aspects of live production, from the pre-planning stages to execution of the broadcast. Students will develop the ability to adapt to a variety of broadcast venues by applying critical thinking through logistical analysis. This course is designed as a "hands-on" experience in the fast-paced world of live broadcasting using state-of-the-art technology.

Broadcasting venues may include the daily broadcast of channel 3's "Wake UP WC!," school concerts, breaking news reports, sporting and graduation events. This class is strategically designed as a stand-alone course or a companion course to iJournalism 1&2.

- Special Note: This course is offered as a 1 semester class, but students desiring to further develop their skills, may repeat the class for additional credit.

READING ENRICHMENT

1 period – 1 semester

½ credit

This class will focus on strategies to help readers of all levels improve their reading comprehension and word attack skills. We will focus on frequent evaluations to track student progress. This class will assist the student in bettering standardized test scores, achievement in the classroom, and independent reading ability.

- Recommended for: This class is open to students of all grades and abilities.
- Pre-requisites: None

YEARBOOK

1 period – 2 semesters

1 credit

The yearbook staff is responsible for the production and organization of the Omega, Worthington Christian High School's annual. This course requires highly motivated students who are capable and willing to work on a team to create the yearbook. Each student is responsible to work on a project team and will be evaluated corporately, as well as individually.

- Recommended for: Yearbook class meets one period per day, both semesters, and is open to highly motivated sophomores, juniors and seniors. All students interested are encouraged to apply.
- Pre-requisites: None
- Special Note: Class size limited to six students.

ENG-1083 – COLLEGE WRITING

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

In this course we will practice composition through the various states of the writing process. We will give attention to formatting modes of writing, grammar, and argumentation. Both Modern Language Association and American Psychological Association styles will be introduced.

ENG-1063 – INTRODUCTION TO LITERATURE

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

This class will be 1.2 weighted.

In this course, we will study various genres of literature by reading and analyzing representative samples of each genre.

MATHEMATICS

4 credits of Math are required for graduation

Students at Worthington Christian High School are able to select from a variety of mathematics courses to help prepare them for college. WCHS desires that each student be academically challenged at his/her experience and ability level in order to ensure maximum success. The minimum mathematics requirement for high school graduation in Ohio is four credits and must include Algebra II. Most colleges expect students to have completed three courses, including Algebra II, prior to enrollment. The college entrance tests (SAT and ACT) reflect material at a slightly higher level. WCHS students who take Algebra I as a freshman will have no trouble meeting college entrance mathematics requirements before they graduate. WCHS recommends that students take at least one math course each year.

- Special Note: A TI-83 or TI-84 Series graphing calculator is required for all WCHS math courses.

If you have questions about the mathematics curriculum of WCHS, please contact Mr. Pifer at: mark.pifer@worthingtonchristian.com

The following is the recommended sequence of math courses for college entrance:

WHEN ALGEBRA I IS TAKEN IN 9 th GRADE		
Year	Option 1	Option 2
9	Algebra I	Algebra I
10	Geometry	Geometry
11	Algebra II	Algebra II
12	Pre-calculus/Trigonometry (CCP optional)	Elective

WHEN ALGEBRA I IS TAKEN IN 8 th GRADE		
Math Class Sequence Options		
Year	Option 1	Option 2
9	Geometry	Geometry
10	Algebra II	Algebra II
11	Pre-calculus/Trigonometry (CCP optional)	Elective
12	AP Calculus	Elective

ALGEBRA I

1 period – 2 semesters

1 credit

The emphasis in Algebra I is the structure of algebra, vocabulary, algebraic procedures and techniques, and the development of problem-solving skills and strategies. Areas of study include solving and graphing equations which are linear, quadratic, exponential and rational. Students will work with systems of equations, polynomials, properties of exponents, and data analysis.

- Pre-requisites: At least a C in Pre-Algebra.
- Special Note: This course is required for graduation by the state of Ohio.

ALGEBRA II

1 period – 2 semesters

1 credit

This is the traditional one-year track of Algebra II. Algebra II emphasizes facility with quadratic forms, powers, roots, and the functions based on these concepts. Students study exponential, logarithmic, polynomial, rational, and other types of functions as tools for modeling real-world situations. It will cover conic sections, data analysis and statistics, counting methods and probability, sequences and series, and trigonometric ratios and function.

- Pre-requisites: At least a C in Geometry.
- Special Note: This course is required for graduation by the state of Ohio and is a necessary prerequisite for Pre-Calculus.

GEOMETRY

1 period – 2 semesters

1 credit

The emphasis of plane (Euclidean) geometry at WCHS is to assist the student in developing strong thinking skills. The course integrates standard, coordinate, and transformational approaches to the study of geometry, reinforces and extends knowledge of algebra, and carefully develops an understanding of proof. Real-world applications are provided throughout the course.

- Pre-requisites: At least a C in Algebra I.
- Special Note: This course is required for graduation by the state of Ohio. If students earned a C average in Algebra I and have after school commitments, they should sign up for a study hall for possible extra help.

INTEGRATED MATH 1

1 period – 2 semesters

1 credit

This course is the first in a sequence of three courses. Integrated Math 1 is designed to combine some of the basic principles of Algebra, Geometry, and Statistics. Students will deepen and extend their understanding of linear relationships and be introduced to exponential functions, modeled through data. They will study quadratic functions and learn to solve equations ranging from linear to rational. They will learn the basics of right triangle trigonometry. Students will learn the basics of Euclidean geometry, deductive reasoning and proof, parallel lines and learn to use properties and theorems involving congruent figures to expand and broaden understanding of geometric knowledge.

- Recommended for: This sequence is for students who need a slower, deeper approach to algebraic and geometric courses and must be scheduled with permission of instructor.
- Pre-requisites: Sophomore status and Algebra I credit; permission of instructor.

INTEGRATED MATH 2

1 period – 2 semesters

1 credit

Integrated Math 2 is the second course in a sequence of three courses and is designed to combine some of the intermediate principles of Algebra I, Geometry, Algebra 2 and Probability. Topics including function operations, transformations of functions, similarity, rational functions, and probability. They will also study triangles, area and volume and congruence, circles, trigonometric functions.

- Recommended for: This sequence is for students who need a slower, deeper approach to algebraic and geometric courses and must be scheduled with permission of instructor.
- Pre-requisites: Integrated Math 1

INTEGRATED MATH 3

1 period – 2 semesters

1 credit

Integrated Math 3 completes the three-course sequence of Integrated Mathematics and is designed to further explore the principles introduced in Math 1 and Math 2. This course brings together knowledge acquired in the previous two courses and uses it as a bridge to expand into more complex territory. Students will expand their knowledge statistics, including normal distributions of linear, exponential, and quadratic functions to polynomials, rationals, and trigonometric functions. Students will also extend their previous work with circles to other conic sections, their understanding of trigonometry to all triangles, and experiences with data as they solve sophisticated problems. The topics of sequences and series are also covered. Students will experience mathematics as a coherent, useful, and logical subject that draws their ability to make sense of problem situations, and will develop the ability to explore and solve mathematical problems, think critically, and work cooperatively with other students and communicate mathematical ideas clearly.

- Pre-requisites: Integrated Math 2 and with permission of instructor.
- Special Note: The completion of this final course in a series of three meets the requirements for graduation by the state of Ohio in mathematics.

PRE-CALCULUS

1 period – 2 semester

1 credit

Pre-calculus at WCHS contains most of the material that a college student would encounter in a college level pre-calculus course and is an excellent course to take in preparation for Calculus. The WCHS course will be tailored to meet the needs of WCHS students. This course integrates statistical, algebraic, and trigonometric concepts through work with functions. Students are taught to display, describe, transform and interpret numerical information in tables, graphs or equations. Enough trigonometry is covered to constitute a standard pre-calculus background in trigonometry and circular functions. Other topics include probability, matrices and determinants, sequences and series, quadratic relations, and polar and parametric functions. Pre-calculus is an excellent course to take just prior to taking the ACT or SAT tests as most of the topics

covered on those tests are dealt with in Pre-calculus. Pre-calculus completes the normal four-course preparation for college.

Pre-calculus is a major step up from Algebra II in math concept and expectation. Students who approach Pre-calculus with the same level of intensity that they approached Algebra II usually see a decrease in their grade. Pre-calculus is an application oriented course. Concepts are presented, explained, illustrated, and practiced. However, the assessments are geared to the choosing and applying those concepts to new situations. All concepts and procedures that the students need to know to be successful in those applications are developed in the classroom. Success lies in recognizing what concept is needed and then applying it correctly. Pre-calculus is a think and reason course. To determine whether a student is “ready” for this course, he/she should take the readiness test at:

http://mdtp.ucsd.edu/test_new/?show_instructions=4

- Recommended for: Any student whose future academic pursuit involves the sciences, should take this course.
- Pre-requisites: At least a C in Algebra II.

AP CALCULUS

1 period – 2 semesters

1 credit

This class is 1.3 weighted.

AP Calculus at WCHS contains most of the material that a college student would encounter in Calculus & Analytic Geometry I & II (Differential and Integral Calculus). This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, pre-calculus, and trigonometry. Topics include limits, differentiation with applications, calculus applications of exponential and logarithmic functions, and integration with applications. Students enrolled in this course are encouraged to be taking Physics simultaneously. To ensure readiness for this course, take the test at:

http://mdtp.ucsd.edu/test_new/?show_instructions=3

- Recommended for: Students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, pre-calculus, and trigonometry. Any student whose future academic pursuit involves the sciences, should take this course. It is strongly recommended that students who wish to reach this level at WCHS be A or A- students in ALL previous math courses.
- Pre-requisites: At least a B in Pre-calculus.
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

PRE-CALCULUS

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Mark Pifer

A study in pre-calculus concepts of the properties of elementary functions including the polynomial, trigonometric, logarithmic and exponential functions. Special emphasis is given to analytic geometry of the line and cone. This course integrates statistical, algebraic, and trigonometric concepts through work with functions. Students are taught to display, describe, transform and interpret numerical information in tables, graphs or equations. Pre-calculus is an excellent course to take just prior to taking the ACT or SAT tests as most of the topics covered on those tests are dealt with in this course.

Pre-calculus is a major step up from Algebra II in math concept and expectation. Students who approach this course with the same level of intensity that they approached Algebra II usually see a decrease in their grade. Pre-calculus is an application-oriented course. Concepts are presented, explained, illustrated, and practiced. However, the assessments are geared to the choosing and applying those concepts to new situations. All concepts and procedures that the students need to know to be successful in those applications are developed in the classroom. Success lies in recognizing what concept is needed and then applying it correctly. Pre-calculus is a think and reason course.

- Recommended for: Any student whose future academic pursuit involves engineering or the sciences, should take this course.
- Pre-requisites: At least a B in Algebra II.

TRIGONOMETRY

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Mark Pifer

Trigonometry topics include circular functions, identities, equations and graphing Other topics include probability, matrices and determinants, sequences and series, quadratic relations, and polar and parametric functions. Trigonometry is an excellent course to take just prior to taking the ACT or SAT tests as most of the topics covered on those tests are dealt with in this course.

Trigonometry is a major step up from Algebra II in math concept and expectation. Students who approach this course with the same level of intensity that they approached Algebra II usually see a decrease in their grade. Trigonometry is an application-oriented course. Concepts are presented, explained, illustrated, and practiced. However, the assessments are geared to the choosing and applying those concepts to new situations. All concepts and procedures that the students need to know to be successful in those applications are developed in the classroom. Success lies in recognizing what concept is needed and then applying it correctly. Trigonometry is a think and reason course.

- Recommended for: Any student whose future academic pursuit involves engineering or the sciences, should take this course.
- Pre-requisites: At least a B in Algebra II.

MATHEMATICS, ELECTIVE COURSES

Available to seniors only

These are semester courses. A student can take one course, or a combination. A student would need to take two if they are using the electives to replace a regular year-long math course.

INTRODUCTION TO STATISTICS

1 period – 1 semester

½ credit

Introduction to Statistics is an introductory course in basic statistical procedures. Statistics affects every area of life, including politics, medicine, business, and behavioral sciences. There is no limit to the uses for statistics. In this course students will learn statistical methods with the focus on both the suitability of the method and the meaning of the result. Most of the methods are developed in the context of applications. Throughout the course, critical thinking will be emphasized to lead to proper analysis and interpretation. Topics covered include organizing data, measures of central tendency, variation, normal distributions, sampling distributions, estimation, hypothesis testing, and correlation and regression. Most colleges require students to take a course in statistics.

- Recommended for: This course will provide a good foundation for stats at the college level. Students are encouraged to take this course even if they have already met their math graduation requirement.
- Pre-requisites: Algebra II and senior status.

COLLEGE ALGEBRA

1 period – 1 semester

½ credit

College Algebra (one semester) at WCHS contains most of the material that a college student would encounter in a college algebra course. This course is a continuation of the study of functions as introduced in Algebra II. Students will graph and analyze quadratic, higher degree polynomial, power, piecewise, rational, exponential, and logarithmic functions. The function concept is applied to solving related equations and inequalities and applications regarding these types of functions. Additional topics include complex numbers, matrices and determinants, counting and probability, sequences and series, and conic sections.

- Recommended for: This course is designed for those students who have completed Algebra II by their junior year and who want/need another math course their senior year, but do not want to take Pre-calculus or AP Calculus.
- Pre-requisites: Algebra II and senior status.

WCHS also offers a mathematics sequence for students who struggle to maintain a typical college preparation course of study in mathematics. Entrance into the Integrated Math sequence cannot be scheduled without permission from the math department and intervention team.

PHYSICAL EDUCATION, REQUIRED COURSES

Physical Education and Health are required for graduation

HEALTH – Boys or Girls

1 period – 1 semester

½ credit

Health is a course designed to better equip students to live a life of physical, mental, emotional, and spiritual wellness. This course will promote a better understanding of how the human body functions, as well as teach the cause-and-effect relationship between lifestyle and health.

- Recommended for: Sophomores and any junior or senior who has not taken Health should sign up for this course.

Physical Education Waiver

In accordance with Ohio Law, SB311, the one-half unit of physical education credit requirement will be waived for any student who, during high school grades 9-12, has participated in WCHS interscholastic athletics, including cheerleading, for at least two full seasons. Students meeting this requirement will not be required to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit consisting of at least sixty hours of instruction, in another course of study. In other words, WCHS total number of credits required for graduation will not be lowered by one-half credit for any student who qualifies for this physical education waiver.

The Ohio Department makes provision for other means of fulfilling the PE requirement. Go to <http://education.ohio.gov>. In the search box, type: "Physical Education & Credit Flexibility." Only alternatives that can be properly documented are acceptable.

PHYSICAL EDUCATION

1 period – 2 semesters

½ credit

This course is designed to help the student embrace the skills necessary to achieve health and fitness for a lifetime. A major emphasis will be placed on physical fitness, cooperative and leadership skills, team and individual sports, and cardiovascular activities. Lifetime wellness skills include the development of techniques and coordination of mind and body necessary for participation in recreation and sports activities such as fitness, team handball, flag football, soccer, badminton, and basketball.

- Pre-requisites: None

PHYSICAL EDUCATION, ELECTIVE COURSES

These elective Physical Education classes are open to Sophomores, Juniors, and Seniors

ADVANCED HEALTH

1 period – 1 semester

½ credit

This class is designed for those who have taken the required high school health course and would like to have a deeper understanding of the many topics that were covered. Additionally, this class is beneficial to those who would like to go into a health-related field in the future and would like to advance their knowledge.

- Pre-requisites: Health

WEIGHT TRAINING

1 period – 1 semester

¼ credit

This is a co-ed course that will focus on weight room safety, lifting technique, and workout routines. Each student will develop a personal workout plan. Athletes participating in school sports will still be required to meet the requirements of the course.

- Pre-requisites: None

LIFETIME SPORTS

1 period – 1 semester

¼ credit

Lifetime Sports is a co-ed course that will focus on different sports in order to keep physical activity as an enjoyable part of life throughout the years to come. Some units that will be covered are tennis, softball, soccer, basketball, badminton, pickleball, volleyball, and floor hockey.

- Pre-requisites: None

FITNESS AND NUTRITION

1 period – 1 semester

¼ credit

This class is a one-semester course designed to focus on in-depth aspects of both fitness and nutrition. Students will participate in fitness and nutrition labs throughout the semester.

- Pre-requisites: None

FIT FOR LIFE

1 period – 1 semester

¼ credit

This class is designed for the student who wants to live a healthy life by learning skills to be fit. This will focus on anaerobic and aerobic fitness, including the cardiovascular, muscular, and flexibility aspects of fitness. It will feature a wide variety of different types of exercise. This is an active class where participation is a must.

- Pre-requisites: None

SCIENCE

3 credits of Science are required for graduation

The following is the recommended sequence of science courses for college entrance:

CLASS OF 2021 & BELOW	
Grade	Course
9	IPS
10	Biology Honors Biology
11/12	Chemistry Honors Chemistry Anatomy & Physiology Honors Anatomy & Physiology Infection & Immunity Zoology (see CCP section) Physics AP Physics

CLASS OF 2022 & ABOVE	
Grade	Course
9	Biology
10	Chemistry Honors Chemistry
11/12	Anatomy & Physiology Honors Anatomy & Physiology Infection & Immunity Zoology (see CCP section) Physics AP Physics

BIOLOGY

1 period – 2 semesters

1 credit

General Biology is a comprehensive study of life and its origins in light of God's Word. Many relevant topics will be covered in this college preparatory course such as the scientific method, cytology, genetics, biochemistry, bacteria and viruses, microscopy, plants, animals, and ecology. Lab work, including dissections, will relate to all the major phylum of life and major processes of life.

HONORS BIOLOGY

1 period – 2 semesters

1 credit

This class is 1.1 weighted.

This course is an intensive study for future college science majors touching on most of the major areas of the biological sciences. The student will learn information and lab techniques for cytology, genetics, microbiology, molecular biology, biochemistry, botany, and zoology. All of the major phylum of life and processes of life will be examined. This course emphasizes critical thinking skills, hands on lab experiences, and biological concepts that are significant to Christian ethics.

- Recommended for: Future college science majors.
- Only available for class of 2021 and below.

UPPER LEVEL SCIENCE COURSES

ANATOMY & PHYSIOLOGY

1 period – 2 semesters

1 credit

Anatomy and Physiology is a college prep course designed to introduce the student to the systems of the human body. The integumentary, skeletal, endocrine, circulatory, digestive, muscular, nervous, lymphatic, respiratory, urinary, and reproductive systems will be studied. Laboratory work will include respiratory, pulse and blood pressure readings, along with a detailed dissection of a fetal pig, cat, sheep heart, and calf brain.

- Recommended for: Any student pursuing a degree in a health field.
- Pre-requisites: Honors or General Biology

HONORS ANATOMY & PHYSIOLOGY

1 period – 2 semesters

1 credit

This class is 1.2 weighted.

Honors Anatomy and Physiology is designed for the student who is interested in pursuing a science or medical major in college. The course will be taught at a greater depth and move at a greater pace than will the regular Anatomy and Physiology class. The human integumentary, skeletal, endocrine, circulatory, digestive, muscular, nervous, lymphatic, urinary, respiratory, and reproductive systems will be studied. Laboratory work will include respiratory, pulse and blood pressure readings, along with a detailed dissection of a fetal pig, cat, sheep heart, and calf brain. This course also includes a cadaver lab experience and a tour of the Wexner Medical Center.

- Recommended for: Any student pursuing a degree in a health field, including but not limited to medicine, nursing, physician assistance, physical therapy, athletic training, and veterinary medicine.
- Pre-requisites: At least a B+ in Honors Biology or an A in Biology. Priority will be given to those students who have completed chemistry.

GENERAL CHEMISTRY

1 period – 2 semesters

1 credit

General Chemistry is a fascinating course that examines how chemistry affects our daily lives. Our study will focus on the following: materials, air, petroleum, water, industry and nuclear reactions. Our aim is to develop chemistry-literate and science-literate citizens by developing lab skills, and participating in decision making activities crucial to everyday living. Students will be expected to think critically and solve problems creatively.

- Recommended for: This course is for the college-bound student who is not planning on majoring in a science, engineering, or medical field.
- Pre-requisites: Biology. Completed or concurrently enrolled in Algebra II. If student does not meet these requirements, instructor permission is required to enroll.
- Required for class of 2022 and above.

HONORS CHEMISTRY

1 period – 2 semesters

1 credit

This class is 1.2 weighted.

Honors Chemistry is designed to prepare students for college chemistry through an inquiry-based approach. Students will explore units focused on: materials, air, petroleum, water, industry and nuclear reactions. Our aim is to develop chemistry-literate and science-literate citizens by developing lab skills and participating in decision-making activities crucial to everyday living. Students will be expected to think critically and solve problems creatively. There will be an emphasis on developing science communication skills which include formal lab reports and a variety of projects.

- Recommended for: This course is highly recommended for any student who plans on majoring in a science, engineering, or medical field.
- Pre-requisites: At least a B average in Biology. At least a B average in previous math courses. Completed or concurrently enrolled in Algebra II. If student does not meet these requirements, instructor permission is required to enroll.

GENERAL PHYSICS

1 period – 2 semesters

1 credit

Physics is an exploratory course that examines how motion and energy interact to produce the activity of our world. An inquiry-based, hands-on approach will be utilized, and students will perform a number of laboratory experiments. Students will study motion, forces, energy, momentum, rotation, waves, sound, light, and electricity. Heavy emphasis is placed on developing a deep conceptual understanding of fundamental physics concepts.

- Recommended for: This course is for the college-bound student who is not planning on majoring in a science, engineering, or medical field.

- Pre-requisites: Completed or concurrently enrolled in Algebra II. If student does not meet these requirements, instructor permission is required to enroll.

ADVANCED PLACEMENT PHYSICS

1 period – 2 semesters

1 credit

This class is 1.3 weighted.

AP Physics is equivalent to the 1st semester of an algebra-based college physics course. Heavy emphasis is placed on developing a deep conceptual understanding of fundamental physics concepts. Students will study motion, vectors, forces, energy, momentum, rotation, waves, sound, and electricity. An inquiry-based, hands-on approach will be utilized, and students will perform a number of laboratory experiments. Students taking AP Physics must be self-motivated and have a strong work ethic. A strong math background is required, and although Calculus is not required, any student enrolled in Calculus should strongly consider enrolling in AP physics as well, as the two courses complement each other.

- Recommended for: This course is recommended for any student who plans on majoring in a science, engineering, or medical field.
- Pre-requisites: At least a B average in Chemistry. At least a B average in previous math courses. Must have completed or be currently enrolled in Pre-calculus. If student does not meet these requirements, instructor permission is required to enroll.
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

INFECTION & IMMUNITY

1 period – 1 semester

½ credit

This class is 1.2 weighted.

This course will facilitate an examination of the fundamentals of Immunity. Students will explore innate vs. specific immunity, antibodies, membrane receptors for antigens, immune response, and mechanisms for turning off the immune response. Students really get to have fun examining different pathogens, such as, bacteria, viruses and fascinating parasites (Loa Loa, Onchocerciasis, Malaria, Trypanosoma Cruzi). Students will utilize histological slides for labs and discussion. Further use of Western blot technique for immunocytochemistry analysis of antigen - antibody recognition.

This course continues the development of critical analytical thinking and lab skill development.

- Pre-requisites: Biology
- Special Note: A research paper exploring a favorite topic and class presentation is required.

ZOOLOGY

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Kelly Mikhail

A survey of the animal kingdom, its taxonomy, morphology, and physiological processes at the cellular level through the organismic level, and their relationship to the environment. A laboratory includes observation, experimentation, and dissection of invertebrates and vertebrates.

- Pre-requisites: Biology. High school chemistry is recommended.

SOCIAL STUDIES, REQUIRED COURSES

3 credits of Social Studies are required for graduation

GOVERNMENT – First Semester

ECONOMICS – Second Semester

½ credit each

This senior requirement is geared toward developing a critical Christian worldview. Its goal is to teach higher thinking skills and provide a basis for the believer's future as a student, professional, citizen, and parent. The topics of the course will be the five foundations of government and an introduction to various forms of civil government with an intense focus on American civil government. The student will also become familiar with the role of the government as it intervenes in a market system and the effect global economics will have on individuals, industries, and the government.

Economics is geared toward educating the believer in the realm of economics. The goal is to teach the Christian the basic idea of frugality - that is, the saving or conservation of scarce resources in relation to God's world. The topics of the course will include introduction to economic principles and concepts, the Bible and economics, personal budget, and the elements of microeconomics and macroeconomics.

- Pre-requisites: None
- Special Note: Government and Economics are required for all seniors and fulfills the Ohio State requirement for 1 Unit of Economics and Financial Literacy.

SOCIAL STUDIES, ELECTIVE COURSES

GLOBAL GEOGRAPHY

1 period – 2 semesters

1 credit

This course is an overview of the various cultural, political, economic and physical regions of the world. The study will also include the influence of shifting demographic and socio-political trends upon various regions of the world, as well as the impact of global missions upon societies today.

- Pre-requisites: None

WORLD HISTORY

1 period – 2 semesters

1 credit

World History will cover man's ancient existence, classical civilizations of Greece and Rome, the age of diverging traditions, and the making of Europe through the Reformation--the beginning of "modern history." Each major religion of the world will be discussed as it developed along with its impact on mankind. The class will emphasize the hand of God in using the Jewish people as His witness to the early civilizations and in using His church as His witness today. The Renaissance, Reformation, and Age of Exploration will all be discussed along with the social ramifications of those times.

- Pre-requisites: None

UNITED STATES HISTORY

1 period – 2 semesters

1 credit

United States History will begin with a historical study of the British North America from the first European settlements to the eve of the American Revolution. After examining the European background of and Native American responses to colonization, the course will trace the development of the different social systems and regional cultures that emerges along the Atlantic. Special emphasis is given to the role of religion and politics in launching and steering this process. The course will then shift to examine the emergence of the United States from the revolutionary era through Reconstruction. It will provide a historical study from the end of Reconstruction through World War II, treating political and cultural developments against the background of the nation's turn toward an industrial economy, urban society, and global empire. Particular attention will be paid to religious currents, increasing racial/ethnic complexity, and the changing fortunes of the liberal political-economy in war, peace, prosperity, and depression. The course will finish with an in depth look at American history since WWII.

- Pre-requisites: None

ADVANCED PLACEMENT UNITED STATES HISTORY

1 period – 2 semesters

1 credit

This class is 1.2 weighted.

AP United States History gives students the opportunity to study college-level United States history and is designed to encourage students to think conceptually about the American past. Going beyond names, dates, and places, students will be asked to think critically about the causes and effects of History. The class will make use of primary resources as it surveys United States History from its beginning phases through the end of the Cold War. An in-depth study of the timeline of the United States will expose History students to changes in this nation's culture, economy, and foreign policy. Students will develop their skill set of writing, research, synthesis, discussion, debate, and presentation.

- Pre-requisites: At least an A earned in World History or previous social studies.
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

HIS – SPECIAL TOPICS IN NON-WESTERN HISTORY: ANCIENT NEAR EAST

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Dr. Joe Price

This course will survey the history of the ancient near East, an area roughly confined by Turkey in the north, the Red Sea in the south, the Mediterranean Sea in the west, and central Iran in the east.

Temporally, this course will begin around the onset of writing (c.3000 BC) and end with Alexander's defeat of Persia (c.331 BC). We will examine prominent civilizations (such as the Assyrians, Babylonians, Hittites, and Persians), their cultures and conflicts, and the lasting impact they have had on world civilization.

WORLD LANGUAGES

FRENCH

In today's global society, the need for effective communication with, and sensitivity to, other cultures is crucial. The French program provides students the opportunity to understand written and spoken language, to see the French language modeled in culturally authentic settings, and to engage in conversations on a variety of topics. Students will discover the rich and colorful contribution France has brought to the English language and culture, specifically in the arts and sciences, along with hundreds of expressions that add beauty and definition to the English language. Some Scripture reading and memorization are incorporated at all levels, but expanded in the upper levels to include reading testimonies of French believers and writing one's personal testimony in French.

Daily classroom activities on all four levels include paired and small group communication in French, written practice in workbooks, and vocabulary and grammar games and quizzes. In addition, DVD's, CD's, and a CD-ROM program with French speakers help stimulate students in a wide variety of learning styles. Assessment is based on quizzes, chapter tests, class participation, workbook activities, projects, and final exams. Listening, speaking, reading and writing skills are regularly assessed.

FRENCH I

1 period – 2 semesters

1 credit

Unit topics from French I include greeting and meeting people, communicating in a French café, talking about family and friends, and leisure activities. Listening, speaking, reading, and writing are integrated in this course through a variety of classroom activities.

- Pre-requisites: None

FRENCH II

1 period – 2 semesters

1 credit

Level II will expand listening, speaking, reading, and writing skills. Units will emphasize proficiency development built on practical vocabulary. Topics include daily routines, making plans, health and fitness, and describing experiences in the past.

- Pre-requisite: At least a C in French I

FRENCH III

1 period – 2 semesters

1 credit

Unit themes in French III expand practical communication relating to travel, culture, everyday life, and faith. Students will further develop grammar and vocabulary skills, enriching their ability to use French in speaking, listening, reading, and writing.

- Pre-requisite: At least a C+ in French II

FRENCH IV

1 period – 2 semesters

1 credit

French IV reviews and solidifies basic concepts and explores a variety of topics which include world issues, (poverty, pollution, world health), leisure, (travel, cinema, sports), and the arts. Writing and reading skills are expanded. Students will read *Le Petit Prince* and an abridged version of *Les Misérables*.

- Pre-requisite: At least a C+ in French III

SPANISH

In today's global society, the need for successful communication with, and sensitivity to, other cultures is crucial. The Spanish program provides students the opportunity to understand written and spoken language, to see the Spanish language modeled in culturally authentic settings, and to engage in conversations in Spanish on a variety of topics. Students will discover the rich and colorful contribution that the Spanish-speaking world brings to the American / English language and culture, as well.

Real life communication is integral to the Spanish program, and daily classroom activities on all five levels include paired and small group communication in Spanish. Written practice incorporates leveled advanced placement style exercises from the beginning levels, and vocabulary and grammar are presented by frequency and usefulness. Interactive computer programs provide additional practice for students in vocabulary, grammar, speaking, and listening skills.

Assessment is based on student proficiency in listening, speaking, reading and writing in Spanish, and cultural connections and comparison. A variety of formative and summative assessments such as quizzes, chapter tests, class participation, workbook activities, projects, and final exams are used to measure student success.

SPANISH I

1 period – 2 semesters

1 credit

Spanish level I is an entry level, proficiency-forward language course. Spanish I students will use interpretive (Reading and Listening), presentational (Speaking and Writing), and interpersonal skills in the classroom both for practice and assessment.

- Outcomes: By year-end, a Spanish I student would be expected to communicate at the novice-mid level according to the national ACTFL (American Council of the Teaching of Foreign Language) standards. As a Novice-Mid level communicator, she or he will be able to recognize and combine words and communicate meaningful ideas in Spanish with simple phrases and expressions.
- Pre-requisites: None

SPANISH II

1 period – 2 semesters

1 credit

In Spanish II, the course will implement the Ohio Department of Education (ODE) new World Language program based on Proficiency in the State of Ohio. The model is based on standards of ACTFL (American Council of the Teaching of Foreign Language). Students will be prepared in four basic skills - Reading, Writing, Speaking, and Listening in the Spanish language. These skills are essential to build pre-AP language skills.

- Outcomes: At the end of Spanish II, the student will be expected to be at the novice-high level.
- Pre-requisites: At least C average in Spanish I

SPANISH III

1 period – 2 semesters

1 credit

Spanish III will implement the Ohio Department of Education (ODE) new World Languages program for the State of Ohio based on Proficiency. The model is based on standards of ACTFL (American Council of the Teaching of Foreign Language). The student will be prepared in four basic skills - Reading, Writing, Speaking and Listening in the Spanish language. These skills are essential to build pre-AP language skills.

- Outcomes: The student at the end of Spanish III will be expected to be at the intermediate-low level.
- Pre-requisites: At least a B in Spanish II
- Special Note: As part of the assessment process, the students will take CAAP test form Ohio State University. This is an assessment test given to students of third year language.

SPANISH IV

1 period – 2 semesters

1 credit

Spanish level IV is a proficiency-forward language course for upper classmen. In Spanish IV, as Intermediate-Mid level communicators, students will use interpretive (Reading and Listening), presentational (Speaking and Writing), and interpersonal skills both for practice and assessment.

- Outcomes: By year-end, a Spanish IV student would be expected to communicate at the intermediate-mid level according to the national ACTFL (American Council of the Teaching of Foreign Language) standards.
- Pre-requisites: At least a B in Spanish III

ADVANCED PLACEMENT SPANISH V

1 period – 2 semesters

1 credit

This class is 1.2 weighted.

This course will work to prepare students for the AP exam in Spanish Language. The course aims specifically at preparing the student for the national Advanced Placement Spanish Language and Culture Examination, focusing on six themes: Beauty and Aesthetics, Families and Communities, Global Challenges, Science and Technology, Contemporary Life, and Personal and Public Identities.

Students will listen to recordings from other countries through international radio and television, and they will go to the community and experience the language. The students will continue developing their Language Portfolio as presented by the Lingua Folio.

- Recommended for: AP Spanish is intended for serious, advanced students reaching the intermediate-high level and possibly advanced-low level of proficiency according to the national ACTFL (American Council of the Teaching of Foreign Language) standards.
- Outcomes: By year-end, a Spanish V student would be expected to communicate at the intermediate mid-level according to the national ACTFL (American Council of the Teaching of Foreign Language) standards.
- Pre-requisites: This class is available with permission from Spanish instructors.
- Special Note: Students enrolled in any Advanced Placement course will be required to take the AP exam at the end of the semester. The cost of each exam is \$99 and will be charged through the family RenWeb account. The fee will be posted to the account in the fall, but families will be given until March 1st to pay these charges.

HISPANIC CULTURE

1 period – 1 semester

½ credit

This course will examine the history of the Hispanic culture through its art expression of music and painting in order to understand its origins and symbols. Students will use the essay the Buried Mirror and Broken Spears to understand the conquest of America. The class will read about the Spanish mentality and the Amerindian mentality of the conquest of America.

- Pre-requisites: None
- Special Note: The class will be taught in English.

MISCELLANOUS ELECTIVE COURSES

STUDENT ASSISTANT

1 period – 1 semester
¼ credit

Opportunities exist for student to assist classroom, physical education, and school office personnel on a semester basis. Students are to report to the designated teacher. Students may not have a study hall and Student Assist in the same semester.

- Pre-requisites: None
- Special Note: This is a pass or fail course.

STUDY SKILLS

1 period – 1 semester
¼ credit

Study Skills is an “enhanced Study Hall” course designed to equip students at all grade levels with the necessary tools to succeed and excel in a college-prep high school environment as well as help prepare seniors for college. Students will learn how to apply communication, note-taking, and test-taking skills into their various courses and receive help with research skills and reading comprehension. At the completion of this course, students will have a much better understanding of who they are as learners and how to maximize their learning potential. This course is flexible and accommodates the student’s individual needs and schedule.

- Recommended for: This course is ideal for freshman, seniors and new students.
- Pre-requisites: None
- Special Note: This is a pass or fail course.

TEACHER SHADOWING

3 periods
1 credit

This is an opportunity open to senior students who are interested in teaching as a career. Students will be assigned to classes in preschool through fifth grade in our Worthington Christian school district. This course can be taken in one or both semesters. WCS requires that students have five periods of classes before leaving for their assignment. The time frame for shadowing will be 7th, 8th, and 9th periods. Administrative approval will be given based on the student’s GPA, course selection, and conduct. Students will list three options for grade level and teacher they wish to shadow with final assignments confirmed by the administration.

- Recommended for: Teacher shadow is available to seniors only
- Special Note: This is a pass or fail course.

VOCATIONAL PROGRAM

3 credits

The vocational program is an option for students who want to pursue a program at one of the four Columbus Career Centers: Northwest; Northeast; Southeast; Ft. Hayes; and Delaware. Most of the career center programs offer two-year programs. This program is usually started during the student's junior year. Juniors attend the career center in the morning, coming to WCHS in the afternoon. Seniors do the reverse – they attend WCHS in the morning, going to the career center in the afternoon. Most seniors are on job placement during their second semester. Many of the vocational programs offer advanced credit at Columbus State Community College. Students must decide the last semester of their sophomore year if they wish to pursue vocational programs. Upon completing the vocational program, students have the option of going to college, a technical school, or into the workforce. If pursuing this option, the requirements for graduation are the same as regular high school schedule, which will include one credit of Bible for each year of attendance at WCHS. Course sequences and credits may vary based on individual student assessment.

- Recommended for: Juniors and Senior students only; a two-year commitment is required.
- Special Note: A CONFERENCE WITH THE GUIDANCE COUNSELOR IS REQUIRED FOR BOTH PARENT AND STUDENT WHEN CONSIDERING THIS OPTION.
- Students in this program will still pay full WCHS tuition.
- Students completing this program will receive a WCHS diploma and participate in WCHS commencement ceremonies.

COLLEGE CREDIT PLUS

College Credit Plus is a program that can be utilized by students in grades 7-12 in the State of Ohio. Please make an appointment with Tim Kraynak if your student has an interest in taking advantage of this program. Students and parents are fully responsible for the enrollment process and meeting all deadlines. The college counselor will provide students and their parents with an outline to guide the process, but the process is not driven by the college counseling office at WC.

The following courses will be offered at Worthington Christian and upon completion of this course, will be granted college credit from Mount Vernon Nazarene University. The student will receive either 0.5 credit from WC on their transcript, and 3 college credits from MVNU. These classes will meet for one or two semesters.

CHRISTIAN STUDIES

BIB-1003G – OLD TESTAMENT HISTORY AND LITERATURE

1 period – 1 semester

1 credit

Instructor: Dr. Joe Price

A survey of the books of the old Testament with emphasis given to the significant historical events, personalities, and theological traditions of Israel. In this course, students will examine the books of the Old Testament, with attention given to the Old Testament's literary features, theological emphases, and its intersection with ancient culture and history. Important issues in the history of the interpretation of the Old Testament will also be addressed.

LANGUAGE ARTS

ENG-1083 – COLLEGE WRITING

1 period – 1 semester

1 credit

In this course we will practice composition through the various states of the writing process. We will give attention to formatting modes of writing, grammar, and argumentation. Both Modern Language Association and American Psychological Association styles will be introduced.

ENG-1063 – INTRODUCTION TO LITERATURE

1 period – 1 semester

1 credit

This class will be 1.2 weighted.

In this course, we will study various genres of literature by reading and analyzing representative samples of each genre.

MATHEMATICS

PRE-CALCULUS

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Mark Pifer

A study in pre-calculus concepts of the properties of elementary functions including the polynomial, trigonometric, logarithmic and exponential functions. Special emphasis is given to analytic geometry of the line and cone. This course integrates statistical, algebraic, and trigonometric concepts through work with functions. Students are taught to display, describe, transform and interpret numerical information in tables, graphs or equations. Pre-calculus is an excellent course to take just prior to taking the ACT or SAT tests as most of the topics covered on those tests are dealt with in this course.

Pre-calculus is a major step up from Algebra II in math concept and expectation. Students who approach this course with the same level of intensity that they approached Algebra II usually see a decrease in their grade. Pre-calculus is an application-oriented course. Concepts are presented, explained, illustrated, and practiced. However, the assessments are geared to the choosing and applying those concepts to new situations. All concepts and procedures that the students need to know to be successful in those applications are developed in the classroom. Success lies in recognizing what concept is needed and then applying it correctly. Pre-calculus is a think and reason course.

- Recommended for: Any student whose future academic pursuit involves engineering or the sciences, should take this course.
- Pre-requisites: At least a B in Algebra II.

TRIGONOMETRY

College Credit Plus course – see CCP section of course catalog

1 period – 1 semester

1 credit

Instructor: Mark Pifer

Trigonometry topics include circular functions, identities, equations and graphing Other topics include probability, matrices and determinants, sequences and series, quadratic relations, and polar and parametric functions. Trigonometry is an excellent course to take just prior to taking the ACT or SAT tests as most of the topics covered on those tests are dealt with in this course.

Trigonometry is a major step up from Algebra II in math concept and expectation. Students who approach this course with the same level of intensity that they approached Algebra II usually see a decrease in their grade. Trigonometry is an application-oriented course. Concepts are presented, explained, illustrated, and practiced. However, the assessments are geared to the choosing and applying those concepts to new situations. All concepts and procedures that the students need to know to be successful in those applications are developed in the classroom. Success lies in recognizing what concept is needed and then applying it correctly. Trigonometry is a think and reason course.

- Recommended for: Any student whose future academic pursuit involves engineering or the sciences, should take this course.
- Pre-requisites: At least a B in Algebra II.

SCIENCE

ZOOLOGY

1 period – 1 semester

1 credit

Instructor: Kelly Mikhail

A survey of the animal kingdom, its taxonomy, morphology, and physiological processes at the cellular level through the organismic level, and their relationship to the environment. A laboratory includes observation, experimentation, and dissection of invertebrates and vertebrates.

- Pre-requisites: Biology. High school chemistry is recommended.

SOCIAL STUDIES

HIS – SPECIAL TOPICS IN NON-WESTERN HISTORY: ANCIENT NEAR EAST

1 period – 1 semester

1 credit

Instructor: Dr. Joe Price

This course will survey the history of the ancient near East, an area roughly confined by Turkey in the north, the Red Sea in the south, the Mediterranean Sea in the west, and central Iran in the east.

Temporally, this course will begin around the onset of writing (c.3000 BC) and end with Alexander's defeat of Persia (c.331 BC). We will examine prominent civilizations (such as the Assyrians, Babylonians, Hittites, and Persians), their cultures and conflicts, and the lasting impact they have had on world civilization.

GRADUATION REQUIREMENTS

25 credits are required for graduation from Worthington Christian High School

Students must have earned 25 high school credits as determined by the Worthington Christian School Board and outlined below to be eligible for graduation from WCHS. Students must have also have passed any proficiency tests required by Ohio law.

Grades 9 – 12 Credit Requirements

Bible	4 Credits*	One per year
English	4 Credits◇	One per year
Math	4 Credits◇	Algebra 1, Geometry, Algebra 2, and one additional
Science	3 Credits◇	Including at least one lab science
Social Studies	3 Credits◇	Including World History or Geography, US History, and Govt/Econ
Speech	0.5 Credit*	
PE/Health	0.5 Credit◇	See “Physical Education Waiver”
Fine Arts	1 Credit◇	This credit can be counted as one of the required 4.5 elective credits
Electives	4.5 Credits◇	Including World Language, Business, Computer, etc.

*Requirements unique to WCHS

◇Requirements common to other Ohio high schools and set by the Ohio Department of Education

Physical Education Waiver

Students may substitute two seasons of any school-sanctioned sport for PE classes, provided the student is not cut, removed from the team, or quits the team before the end of the season. The required ½ credit of PE must be fulfilled either by taking PE classes OR by playing two seasons of sanctioned sports. One season of sports and ¼ credit of PE is not acceptable, according to Ohio Department of Education rules.

The Ohio Department makes provision for other means of fulfilling the PE requirement. Go to <http://education.ohio.gov>. In the search box, type: “Physical Education & Credit Flexibility.” Only alternatives that can be properly documented are acceptable.

FRESHMAN SCHEDULING WORKSHEET

Instructions: Use this worksheet as a tool for determining next year's class selection, and as a reminder tool for your records. Online scheduling must be done via Renweb. The deadline for online scheduling is March 19, 2018. NOTE: THERE WILL BE A \$10 FEE FOR SCHEDULE CHANGES AFTER SCHEDULES ARE PICKED UP.

1. STEP ONE – Register for REQUIRED courses (Bible 9 is automatically pre-registered for students in Renweb).

Subject	Course Title	Periods	Duration	Total Periods	Credit
Christian Studies	Christian Studies 9 Biblical Background	1 period per semester	2 semesters	2	1 credit
Language Arts	English 9	1 period per semester	2 semesters	2	1 credit
Mathematics	(Select the appropriate Math course from course catalog)	1 period per semester	2 semesters	2	1 credit
Science	Biology	1 period per semester	2 semesters	2	1 credit
Physical Education	Physical Education (unless utilizing the PE waiver option)	1 period per semester	2 semesters	2	1 credit
Social Studies	World History – or – Geography (must be taken by junior year)	1 period per semester	2 semesters	2	1 credit

2. STEP TWO – Register for ADDITIONAL Courses. A full schedule will include 8 periods per semester, and 16 TOTAL PERIODS for the academic year.

Subject	Course Title	Periods	Duration	Total Periods	Credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	1 semester	1	½ credit
		1 period per semester	1 semester	1	½ credit
	Study Hall	1 period first semester	1 semester	1	
	Study Hall	1 period second semester	1 semester	1	

3. STEP THREE – Select ALTERNATIVE Courses. Please choose and register for four (4) Alternative Courses. If we are unable to sign you up for the courses selected above in Section 2, we will choose classes from the Alternative Courses to fill in your schedule. DO NOT COMPLETE THE RENWEB REGISTRATION PROCESS WITHOUT ALTERNATIVE COURSES!

1.	3.
2.	4.

SOPHOMORE SCHEDULING WORKSHEET

Instructions: Use this worksheet as a tool for determining next year's class selection, and as a reminder tool for your records. Online scheduling must be done via Renweb. The deadline for online scheduling is March 19, 2018. NOTE: THERE WILL BE A \$10 FEE FOR SCHEDULE CHANGES AFTER SCHEDULES ARE PICKED UP.

1. STEP ONE – Register for REQUIRED Courses (Bible 10 is automatically pre-registered for students in Renweb).

Subject	Course Title	Periods	Duration	Total Periods	Credit
Christian Studies	Christian Studies 10 Gospels and Acts	1 period per semester	2 semesters	2	1 credit
Language Arts	English 10	1 period per semester	2 semesters	2	1 credit
Mathematics	(Select the appropriate Math course from course catalog)	1 period per semester	2 semesters	2	1 credit
Physical Education	Health – Boys or Girls	1 period per semester	1 semester	1	½ credit
Science	Biology – or – Honors Biology	1 period per semester	2 semesters	2	1 credit
Social Studies	World History – or – Geography (must be taken by junior year)	1 period per semester	2 semesters	2	1 credit

2. STEP TWO – Register for ADDITIONAL Courses. A full schedule will include 8 periods per semester, and 16 TOTAL PERIODS for the academic year.

Subject	Course Title	Periods	Duration	Total Periods	Credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	1 semester	1	½ credit
		1 period per semester	1 semester	1	½ credit
	Study Hall	1 period first semester	1 semester	1	
	Study Hall	1 period second semester	1 semester	1	

3. STEP THREE – Select ALTERNATIVE Courses. Please choose and register for four (4) Alternative Courses. If we are unable to sign you up for the courses selected above in Section 2, we will choose classes from the Alternative Courses to fill in your schedule. DO NOT COMPLETE THE RENWEB REGISTRATION PROCESS WITHOUT ALTERNATIVE COURSES!

1.	3.
2.	4.

JUNIOR SCHEDULING WORKSHEET

Instructions: Use this worksheet as a tool for determining next year's class selection, and as a reminder tool for your records. Online scheduling must be done via Renweb. The deadline for online scheduling is March 19, 2018. NOTE: THERE WILL BE A \$10 FEE FOR SCHEDULE CHANGES AFTER SCHEDULES ARE PICKED UP.

1. STEP ONE – Register for REQUIRED Courses (Bible 11 is automatically pre-registered for students in Renweb)

Subject	Course Title	Periods	Duration	Total Periods	Credit
Christian Studies	Christian Studies 11 Biblical and Systematic Doctrine	1 period per semester	2 semesters	2	1 credit
Language Arts	English 11 – or – AP English 11	1 period per semester	2 semesters	2	1 credit
Mathematics	(Select the appropriate Math course from course catalog)	1 period per semester	2 semesters	2	1 credit
Science	(Select the appropriate Science course from course catalog)	1 period per semester	2 semesters	2	1 credit
Social Studies	US History – or – AP US History	1 period per semester	2 semesters	2	1 credit

2. STEP TWO – Register for ADDITIONAL Courses. A full schedule will include 8 periods per semester, and 16 TOTAL PERIODS for the academic year.

Subject	Course Title	Periods	Duration	Total Periods	Credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	1 semester	1	½ credit
		1 period per semester	1 semester	1	½ credit
	Study Hall	1 period first semester	1 semester	1	
	Study Hall	1 period second semester	1 semester	1	

3. STEP THREE – Select ALTERNATIVE Courses. Please choose and register for four (4) Alternative Courses. If we are unable to sign you up for the courses selected above in Section 2, we will choose classes from the Alternative Courses to fill in your schedule. DO NOT COMPLETE THE RENWEB REGISTRATION PROCESS WITHOUT ALTERNATIVE COURSES!

1.	3.
2.	4.

SENIOR SCHEDULING WORKSHEET

Instructions: Use this worksheet as a tool for determining next year's class selection, and as a reminder tool for your records. Online scheduling must be done via Renweb. The deadline for online scheduling is March 19, 2018. NOTE: THERE WILL BE A \$10 FEE FOR SCHEDULE CHANGES AFTER SCHEDULES ARE PICKED UP. Please inform Mrs. Dunn if you plan on early release for work.

1. STEP ONE – Register for REQUIRED Courses (Bible 12, Government and Economics are automatically pre-registered for students in Renweb).

Subject	Course Title	Periods	Duration	Total Periods	Credit
Christian Studies	Christian Studies 12 Worldview and Doctrine	1 period per semester	2 semesters	2	1 credit
Social Studies	Government	1 period per semester	1 semester (First semester)	1	½ credit
Social Studies	Economics	1 period per semester	1 semester (Second semester)	1	½ credit
Language Arts	English 12 – or – AP English 12	1 period per semester	2 semesters	2	1 credit
Mathematics	(Select the appropriate Math course from course catalog)	1 period per semester	2 semesters	2	1 credit

2. STEP TWO – Register for ADDITIONAL Courses. A full schedule will include 8 periods per semester, and 16 TOTAL PERIODS for the academic year.

Subject	Course Title	Periods	Duration	Total Periods	Credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	2 semesters	2	1 credit
		1 period per semester	1 semester	1	½ credit
		1 period per semester	1 semester	1	½ credit
	Study Hall	1 period first semester	1 semester	1	
	Study Hall	1 period second semester	1 semester	1	

Special situations: Internship Academy; Teacher Shadowing; College Credit Plus

3. STEP THREE – Select ALTERNATIVE Courses. Please choose and register for four (4) Alternative Courses. If we are unable to sign you up for the courses selected above in Section 2, we will choose classes from the Alternative Courses to fill in your schedule. DO NOT COMPLETE THE RENWEB REGISTRATION PROCESS WITHOUT ALTERNATIVE COURSES!

1.	3.
2.	4.