

# **NORTHWEST CHRISTIAN HIGH SCHOOL**

# Course Catalog 2024-2025

### **Table of Contents**

Introd	duction	4
Bible Department		4
	Bible 1: Old Testament Survey	4
	Bible 2: New Testament Survey	4
	Apologetics	4
	Spiritual Formation	4
	Introduction to Theology	4
	Outreach	5
Englis	sh Department	5
	English Fundamentals	5
	English 9	5
	Honors English 9	5
	English 10	5
	Honors English 10	5
	Literature & Composition	5
	AP English Literature & Composition	5
	Public Speaking	6
	Creative Writing 1	6
	Creative Writing 2	6
	Author Assistant Internship	6
Social	l Studies Department	6
	World History	6
	US History	6
	AP US History	7
	US Government	7
	Economics	7
Mathe	ematics Department	7
	Math Fundamentals	7
	Algebra 1	7
	Algebra 2	7
	Business Math	8
	Geometry	8
	AP Statistics	8
	AP Pre-Calculus	8
	AP Calculus AB	8
	AP Calculus BC	8
	Discrete Mathematics	9
	Linear Algebra	9

World Languages Department	9
Spanish 1	9
Spanish 2	9
Spanish 3	9
Spanish 4	9
Science Department	10
Physical Science	10
Biology	10
Chemistry	10
AP Biology	10
Forensic Science - NEW	10
Human Anatomy & Physiology	10
Physics	11
Fine Arts Department	11
Guitar 1	11
Guitar 2: Advanced Guitar and Songwriting	11
Band	11
Vocal Ensemble	11
Drama	11
Theater Production	12
Visual Arts Department	12
Art	12
Publication (Yearbook)	12
Digital Media	12
Physical Education Department	12
Health	12
Extra-curricular Sports	12
Physical Education	13
Weightlifting	13
Electives and Occupational Education	13
Leadership	13
Applied Technology - New	13
AP Computer Science Principles	13
AP Computer Science A	13
Culinary Arts	14
Project Management Readiness	14
NCHS & Beyond	14
Teacher Assistant	14
Field Experience	14
Concurrent Credit Program and Advanced Placement	14

Appendix	15
Graduation Requirements	15
Additional Documents :	15
• Course Credit Tracker	15
<ul> <li>NCHS and Beyond</li> </ul>	15
<ul> <li>Community Service Ledger</li> </ul>	15
<ul> <li>Community Service Criteria</li> </ul>	15

## Introduction

At Northwest Christian High School our philosophy is based on a God-centered view that all truth is from God. Our aim is to provide a Christian perspective on the total worldview from which will come a balanced personality and a proper understanding and acceptance of a person's role in life—at home, at work, at play and at worship—all grounded in the Christian concept of love.

Our energies will be focused to promote high academic standards while helping the students achieve skill in creative and critical thinking. The objective of our instructional program is to enable the student to pursue excellence in moral character, academics and service to others.

# **Bible Department**

### **Bible 1: Old Testament Survey**

This course provides an introduction to the theological, historical, and literary features of the Old Testament, tracing God's covenant relationship with ancient Israel. Special consideration will be given to the divine covenants and Messianic prophecies of the Old Testament. *1.0 Bible Credit* 

### **Bible 2: New Testament Survey**

Bible 1 is a prerequisite. This course provides an introduction to the theological, historical, and literary features of the New Testament, tracing the presentation of the gospel message through historical, epistolary, and apocalyptic genres. Special consideration will be given to the life of Christ and missionary journeys of the Apostle Paul. *1.0 Bible Credit* 

### Apologetics

What do the sciences of physics, astrophysics, quantum physics, biology, virology, microbiology, forensics, paleontology, archeology, and others show us about the Bible and its evidence for God and the person known as Jesus? How can this knowledge be applied today when facing ethical concerns? How do we apply critical inquiry and a little bit of Latin and Hebrew to today's real world issues? 0.5 Junior/Senior Level Bible Credit; Prerequisites are Bible I and Bible II; taken in conjunction with Spiritual Formation

### **Spiritual Formation**

Special approval must be given from the instructor. Spiritual formation is about living all of life before God, in the transforming and empowering presence of God's Spirit. This course introduces the important subject of Christian spiritual formation, including teaching, practice, community, the inner life and the Holy Spirit, and how they can deepen their relationship with God and discover a life in apprenticeship to Jesus. 0.5 Junior/Senior Level Bible Credit; Prerequisites are Bible I and Bible II; taken in conjunction with Apologetics

### Introduction to Theology

This course covers basic issues, themes, and categories of Christian theology, including the doctrines of Scripture, God, humanity, Christ, salvation, the church, and last things. This course encourages students to better know, trust, love, and live by God's Word. *1.0 Junior/Senior Level Bible Credit; Prerequisites are Bible I and Bible II* 

### Outreach

Students must complete an application to be considered for this class. Students in Outreach class are broken into three primary teams: (1) song and worship, (2) skits, and (3) outreach planning. Planning, organizing, and executing chapel, additional events that have spiritual emphasis, and days of service to the community happen in this class. *1.0 Junior/Senior Level Bible Credit; Prerequisites are Bible I and Bible II* 

# **English Department**

### **English Fundamentals**

The student will solidify intermediate English skills in the areas of reading, writing, listening, and speaking. Opportunities are given for the student to acquire necessary tools to help enter English educational environments with confidence. *1.0 English Credit* 

### English 9

Emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting. An emphasis on vocabulary and composition skills will be an on-going part of the program. The course includes studies of various literary genres: short story, poetry, novel, drama, and non-fiction. The development of critical reading and writing skills is a major emphasis of the course. *1.0 English Credit* 

### **Honors English 9**

Includes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing and presenting expected in English 9 standards. Honors students will also analyze, critique, and create literature at a deeper level. *1.0 English Credit* 

### English 10

Explores poetry, dramas, short stories, and novels which includes the following: Frankenstein, Fahrenheit 451, Light Night, and The Merchant of Venice. In addition to literary analysis, each student will effectively write various kinds of essays. *1.0 English Credit* 

### **Honors English 10**

Explores poetry, dramas, short stories, and novels which includes the following: Frankenstein, Fahrenheit 451, Light Night, and The Merchant of Venice. In addition to literary analysis, each student will effectively write various kinds of essays. Honors includes more in depth literature review, deeper critical thinking, and a higher standard of essay writing. *1.0 English Credit* 

### Literature & Composition

A novel based course which analyzes American and British Literature. There is also study of literary devices, themes, grammar, vocabulary, and spiritual implications of each novel read as well as a unit on poetry. *1.0 Junior/Senior Level English Credit; Prerequisites are English 9 and English 10* 

### **AP English Literature & Composition**

Literary analysis of British and English Literature. Literature that will be studied include the following: Beowulf, The Canterbury Tales, and Macbeth. In addition, we will look at excerpts from novels of the times including Great Expectations, Jane Eyre, Frankenstein, and more. Students will be responsible for reading one full novel on their own each quarter from the list of approved Literature novels and doing a project/presentation and two full essays required for this class. AP students will have additional writing activities throughout the year to prepare them for the exam. Sophomores may be able to take this class with successful completion of Honors English 9 and Instructor Approval. *1.0 Junior/Senior Level English Credit; Prerequisites are English 9 and English 10* 

### **Public Speaking**

Public Speaking is an introduction to the foundations of the field of communication. The course will give an introduction to the communication process, communication theories, areas of communication, how communication affects society and research in the field. It will provide the student with a broad examination of the field of communication with a focus on the theories in each area of communication. The course focuses on the academic objective of developing critical thinking skills and analyzing content in written and oral forms. *1.0 English Credit; Available for Concurrent Credit* 

### **Creative Writing 1**

The student will analyze good literature and work on incorporating those skills into their writing. Throughout the year, students will write an original poem, short story, one-act play, and a novella or novel. As sharing writing is one of the best ways to improve, students will be required to share their writing in small groups and with teacher and peer feedback sessions. We will discuss plots, characters, word choice, genres, and more. Daily writing activities will be required along with longer quarter based projects. Every Wednesday will be set aside for Write Off days. These are days specifically dedicated to writing and are meant to be fun and structured. It is automatically an Elective if taken before senior year. *1.0 Elective Credit or Senior English Credit; Available for Concurrent Credit* 

### **Creative Writing 2**

Using the foundation established in Creative Writing 1, students will apply that to a longer literary work with the end goal of getting the work published. We will incorporate weekly writing critique sessions to improve writing and will discuss indie publishing as well as how to apply for a traditional publishing contract. In addition, we will discuss the basics of marketing and newsletters which are foundational for all authors. *1.0 Elective Credit Senior English Credit; Available for Concurrent Credit* 

### **Author Assistant Internship**

By invitation only. This is a hands-on class for an aspiring author or someone who would like to be a personal assistant for an author or similar job. The student will learn how to edit audio files, set up a newsletter, engage with readers on social media, set up and monitor ads, join promotions, and more. Attention to detail and a good grasp of grammar and writing are a requirement. A student who has published or will have a book to publish will also be able to apply each skill with their own book. *1.0 Elective Credit or Occupational Education Credit; Prerequisite is Creative Writing 1* 

### Social Studies Department

### World History

The student will study seven major units that include: The Ancient World, The Eastern World, The Medieval World, The Awakening World, The Enlightened World, Change Across Europe, and The Modern World. Students will examine social, political, and religious patterns that occur throughout history. *1.0 Sophomore level Social Studies Credit; Available for Concurrent Credit* 

### **US History**

Designed to provide students with a basic account of United States History beginning with its discovery and colonization and ending with present day events. In this course, students will study people, events, groups, movements, and ideologies that have dramatically shaped and impacted the development of the North American continent. This course will help students analyze and understand how and why the U.S. has become the nation it is today. *1.0 Junior Level Social Studies Credit* 

### **AP US History**

In order for a student to be enrolled in AP US History, he or she must have earned a "B" average or higher in World History and obtained teacher's approval to join the class. A survey of American history from the era of exploration to the present day that examines the nations' political, diplomatic, intellectual, cultural, social, and economic history. A variety of instructional approaches will be employed, and a college level textbook will be supplemented by primary and secondary sources. *1.0 Junior Level Social Studies Credit* 

#### **US Government**

An introduction to American politics from the 18th century to the present. Major themes and events include the writing of the U.S. Constitution, the development of American political principles and institutions, and contemporary political practices and issues in the U.S. Additional outside reading and writing assignments will be incorporated. *0.5 Senior Level Social Studies Credit; Available for Concurrent Credit* 

#### Economics

One quarter of this senior level class will focus on how economic principles permeate many of the decisions we make in life. Students will establish the basics of economic terminology and then proceed through these economic principles, seeing how they measure up to the underlying principles of Christian values. A personal finance component will make up the other quarter of the class. Students will focus on real world skills such as budgeting, taxes, and preparing for their future. Additional outside reading and writing assignments will be incorporated. *0.5 Senior Level Social Studies Credit; Available for Concurrent Credit* 

### **Mathematics Department**

### **Math Fundamentals**

Focuses on bridging the gap between basic math and algebra. It uses an incremental spiral approach to move students efficiently through basic math/pre-algebra skills to prepare the student for Algebra 1. Prepares students to be successful in Algebra 1 and includes a study in concepts of equivalency, solving equations with one unknown, some geometry and a comprehensive review and reinforcement of Pre-Algebra skills. *1.0 Math Credit* 

### Algebra 1

This course covers the essential principles of Algebra using an incremental spiral approach. Some of the topics covered will be polynomials, radicals, linear equations and functions. Attention will be given mathematical reasoning. *1.0 Math Credit* 

### Algebra 2

This course focuses on developing advanced Algebra skills. It uses an incremental spiral approach to assist the student in furthering their understanding of the second year algebra material. Some of the covered material will be both linear and nonlinear functions, complex numbers, quadratic equations, radicals, and basic trigonometry. Attention will be given to mathematical reasoning. The course also covers geometry within the scope of Algebra. *1.0 Math Credit* 

### **Business Math**

This course will provide an understanding of the basic concepts of mathematics as applied in business and personal finance. It includes a review of the fundamental mathematics operations using decimals, fractions, percent, ratio and proportion; mathematics concepts and skills in buying and selling, computing gross and net earnings, overtime and business data presentation, analysis and interpretation. Students will learn how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, and personal budgeting. *1.0 Math Credit* 

#### Geometry

This course focuses on a hands-on approach to learning traditional geometry. The course encourages students to explore concepts and ideas of geometry by introducing physical examples of each new conjecture and geometric concepts. It also provides practice using these ideas and conjectures. In this course we will explore lines, planes, polygons, circles, tessellations, among others. *1.0 Math Credit* 

### **AP Statistics**

Students will learn about the major concepts and tools used for collecting, analyzing, and drawing conclusions from data. This includes exploring statistics through discussion and activities, and designing surveys and experiments. Skills learned include: Selecting methods for collecting or analyzing data, Describing patterns, trends, associations, and relationships in data, Using probability and simulation to describe probability distributions and define uncertainty in statistical inference, Using statistical reasoning to draw appropriate conclusions and justify claims. *1.0 Math credit* 

#### **AP Pre-Calculus**

The student will develop the understanding they need to resolve complex problems and functions and be ready to take Calculus by the conclusion of the course. In Pre-calculus, topics from algebra, geometry, trigonometry, discrete mathematics, and mathematical analysis are interwoven to form a fully integrated course. Topics include permutations and combinations, trigonometric identities, inverse trigonometric functions, conic sections, graphs of sinusoids, rectangular and polar representation of complex numbers, De Moivre's theorem, matrices and determinants, the binomial theorem, and the rational roots theorem. *1.0 Math Credit* 

### **AP Calculus AB**

This is a college-level calculus course designed to meet the Advanced Placement curricular requirements for Calculus AB (equivalent to a one-semester college course). The major topics of this course are limits, derivatives, integrals, and the Fundamental Theorem of Calculus. Through a variety of hands-on activities and written exercises, we will investigate and analyze course topics using equations, graphs, tables, and words, with a particular emphasis on a conceptual understanding of calculus. Applications, in particular to solid geometry and physics, will be studied where appropriate. The course is intended for students who have a thorough knowledge of algebra, geometry, and pre-calculus. Unlike the regular Calculus course, AP Calculus AB emphasizes clear communication in addition to accurate calculations and has more hands-on activities. Students will be equipped and expected to take the AP Exam Calculus AB exam in May. *1.0 Math Credit* 

### **AP Calculus BC**

Includes everything in AP Calculus AB (taught at an accelerated pace by means of review) and also topics taught in a Calc 2 course in college (taught at a regular pace.) The additional topics include advanced integration techniques, parametrics, polar, and series. When students take the AP Calculus BC exam in May, they will also get a subscore of Calculus AB level topics. It's like taking two AP Exams for the price of one. *1.0 Math Credit* 

### **Discrete Mathematics**

The main themes of Discrete Mathematics class are logic and proof, induction and recursion, combinatorics and discrete probability, algorithms and their analysis, discrete structures, and applications and modeling. Discrete mathematics describes processes that consist of a sequence of individual steps. This contrasts with calculus, which describes processes that change in a continuous fashion. Whereas the ideas of calculus were fundamental to the science and technology of the revolution, the ideas of discrete mathematics underlie the science and technology of the computer age. Students must have completed Pre-calculus to be eligible to take this course, but do not need Calculus. *1.0 Math Credit* 

### **Linear Algebra**

Linear Algebra is a course usually taken by university sophomores and juniors. Typically such a student will have taken calculus, but this is not a prerequisite. The course begins with systems of linear equations, then covers matrix algebra, before taking up finite-dimensional vector spaces in full generality, and finally covering matrix representations of linear transformations, through diagonalization, change of basis and Jordan canonical form. Along the way, determinants and eigenvalues will be covered. *1.0 Math Credit* 

### World Languages Department

### Spanish 1

The student learns to use elementary Spanish in real-life situations. The course emphasizes spoken and written communication and stresses interpersonal relationships in meaningful cultural contexts. Students will study the diverse cultures within the Hispanic world. *1.0 World Language Credit* 

### Spanish 2

The student expands vocabulary base and communicates in increasingly complex conversational situations. Reading for meaning and pleasure is emphasized, as is writing clearly and accurately. Grammar patterns are presented and practiced so that students are able to describe, as well as ask questions about people, things, events, and activities in the present, past, and future. The Student learns to use a variety of tenses in their writing. *1.0 World Language Credit* 

### Spanish 3

This course builds on the foundations of Spanish 1 and 2. The student will review vocabulary and grammar acquired in previous years, while adding new content and gaining confidence in writing, reading, speaking, and listening to Spanish. A greater understanding of the Spanish-speaking world will be gained through class explorations, watching Spanish news, and a research project on a topic of interest. *1.0 World Language or Elective Credit; Available for Concurrent Credit* 

#### Spanish 4

This course builds on the foundations of Spanish 1, 2, and 3. The student will review grammar learned in previous years, while adding new vocabulary from literature and learning grammatical nuances of the Spanish language. They will gain confidence in writing, reading, speaking, and listening to Spanish. They will also spend time investigating the Spanish-speaking world through class explorations, watching Spanish news, and a research project on a topic of interest. *1.0 World Language or Elective Credit; Available for Concurrent Credit* 

# Science Department

### **Physical Science**

Investigates the fundamentals of Physics, Chemistry, Astronomy, and Earth Science. Math skills will be called upon as force, motion, and energy are investigated. The properties of matter, atomic structure, and chemical reactions allow the student to acquire an understanding of the world around them at a microscopic level. Electricity, magnetism, and waves will be discussed as the student learns how these are formed and the features that characterize them. The class also incorporates topics concerning the physical processes on earth, and the motions, characteristics, and forces in space. *Prerequisite is Math Fundamentals; 1.0 Freshman Level Science Credit* 

### Biology

Biology begins with a consideration of the living condition and discussion of the unique properties of living organisms that set life apart from the non-living. It continues with molecular and cellular biology, from which it moves logically into reproduction and genetics. An understanding of genetics gives meaning to organized variation, evolution and methods of scientific classification units dealing with microbiology and plant and animal phylum. *1.0 Sophomore Level Science Credit* 

### Chemistry

Chemistry is a laboratory science course intended to meet the entrance requirements for university admissions. This is a practical laboratory science course that focuses on the atom, atomic energy and structure, trends of the periodic table of elements, formation of compounds, chemical reactions and calculations, gas laws, and acids and bases, with emphasis on writing laboratory reports. *Prerequisites are Physical Science and Algebra 1. Currently enrolled in Geometry or Algebra 2; 1.0 Sophomore, Junior, or Senior Level Science Credit* 

### **AP Biology**

A deep dive into a college level experience and understanding of our living world. The Student will engage in real world experiments that pull them into genetics, biological diversity, zoology, the fundamentals of animal taxonomy, microbiology, and preparations for the College Board AP exam. This course does teach evolution as a biological model as well as the modern "design" based model. This is an empirical science based course that addresses all theories of "life origins" and the critical review of all models. *Prerequisites are Biology or Chemistry; 1.0 Junior or Senior Level Science Credit* 

### Forensic Science - NEW

Lab-based course which explores the scientific side of forensics through the application of solving crimes in pursuit of justice and respect for human life. This is an introductory-level, cross-disciplinary class that utilizes the scientific method and knowledge from diverse fields such as physics, chemistry, and biology. Students will collect and analyze evidence from mock crime-scenes, memory and eyewitness testimony, DNA, blood spatters, ballistics, drugs/toxicology, and fiber analysis. Please note the mature nature of the course (e.g., murder, death, and arson) prior to signing up. *1.0 Science Credit* 

### **Human Anatomy & Physiology**

The student will be offered real world clinical exposure to human and comparative anatomy which includes several dissections. Other areas of study will include trauma medicine, laboratory medicine, exercise / sports medicine, virology, microbiology, medical/bioethics and more. *1.0 Science Credit; Available for Concurrent Credit* 

### Physics

This course introduces students to the basic concepts behind Physics, the branch of science that primarily studies matter, energy, and their interactions. Using the scientific method, physicists hypothesize relationships, design experiments, and complete tests to turn those hypotheses into theories. Students learn Physics is more than numbers and equations; it is about asking how and why things work and questioning everything we see in the natural world. *Prerequisites are Physical Science, Algebra 1, Geometry, Algebra 2. It is encouraged to enroll in Pre-Calculus or higher. 1.0 Junior or Senior Level Science Credit* 

### Fine Arts Department

### Guitar 1

For the beginner who has little or no knowledge of the instrument and is willing to be patient, develop consistent practice habits, take direction, and set reasonable attainable goals. Students will master the following: major chords, scales, and circle of fifths; picking and strumming in tempo and time; theory behind chords and their related scales; relationship between chords and melody (single notes); and how to competently compose and perform an original harmony and melody. *1.0 Fine Art or Elective Credit* 

### **Guitar 2: Advanced Guitar and Songwriting**

For the intermediate guitar player who has basic knowledge of chords and rhythm, this will be supplemented with alternate rhythmic study, chord inversions, ear training, and song form styles to enhance and grow aptitude and ability as well as improvisation. The student will be able to borrow chords from different keys, understand theory behind chords and their related scales, relationships between chords and melody (single notes), and how to competently compose and perform an original harmony and melody. *1.0 Fine Art or Elective Credit* 

### Band

It is a requirement that interested students in Band must have intermediate ability with their instrument. Music theory principles and basic music reading are applied. This class provides a number of performance opportunities for the student. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by each student. As a member of the band program, group effort and cooperation is necessary to a successful program. Band is a skilled effort in which each student is expected to show technical and musical growth throughout this course. The instructor has final approval on what instruments each student will play. *1.0 Fine Art or Elective Credit* 

### **Vocal Ensemble**

For the intermediate vocalist who has basic knowledge of intonation and rhythm, this will be supplemented with alternate harmonic study, music theory, ear training, and song form styles to enhance and grow their aptitude and ability as well as improvisation. The student will master three-part vocal harmony, basic music theory principles, relationship between chords and melody, and how to competently compose and perform an original melody. *1.0 Fine Art or Elective Credit* 

#### Drama

This course will discuss the history of drama from its inception to today. Students will learn proper dramatic terms and will engage in activities from the defining eras of theater. This class will require memorization and performance whether in class or for a larger audience. There will also be emphasis on the technical side of theater. This class teaches emotional maturity, public speaking, teamwork, confidence and so much more. Drama students will have the opportunity to be on the production team for the elementary school performances, produce their own skits and learn acting skills such as improv, character choices and script analysis. *1.0 Fine Art or Elective Credit; Available for Concurrent Credit* 

### **Theater Production**

This is an after school class that will meet twice a week from 6-8 pm where we will be producing a play each semester. Whether students want to act or work backstage, this class allows students to earn up to a 0.5 Art credit per Production they are involved in. *0.5 Fine Art or Elective Credit* 

### Visual Arts Department

### Art

A variety of art media is introduced along with cultures, artists, and styles with an emphasis on drawing. This will be achieved by creating art work through its basic elements (line, shape, form, color, value, texture and space) and principles (emphasis, rhythm, pattern, harmony, variety, unity proportion, balance and motion). There will be a digital unit where students are able to create animation. Most lessons will have four components; aesthetic perception (understanding the use of the elements and principles), creative expression (the actual art projects), art heritage (art history background), and aesthetic valuing (critique of the finished work). We will be exploring drawing and painting through observational, historical, and cultural studies. *1.0 Art or Elective Credit* 

#### **Publication (Yearbook)**

Students will produce a yearbook that records the history of the school for the current school year, catering to the expectations of a diverse consumer group, developing skills in life, journalism, photography, technology, communications, and business along the way. *1.0 Art, Elective, or Occupational Credit* 

#### **Digital Media**

Explores communication and storytelling through video, social media, and other school-related websites. Students will experience storyboarding, script writing, directing, filming, and editing. The class will also promote and chronicle athletic and social events pertaining to NCHS, which will involve writing and photography. Students will be taught digital skills that translate into all areas of ministry, business and life. No experience is necessary. *1.0 Art, Elective, or Occupational Credit* 

### **Physical Education Department**

#### Health

This course covers nutrition, exercise, and a guide to a healthy lifestyle with an approach to health and physical education relating the value of physical activity to the human body. The content of the course will be presented by utilizing lecture and laboratory sessions. The course emphasizes a "holistic" wellness approach to the individual regarding the five dimensions of wellness. *0.5 Health Credit; Available for Concurrent Credit* 

#### **Extra-curricular Sports**

Semester credit earned through NCHS sports participation. 0.5 Health and Fitness Credit for participation in each sport

### **Physical Education**

Practice and develop skills in physical fitness which include the following: cardiovascular endurance, flexibility, muscular strength and muscular endurance. The goal by the end of the year is for each student to improve on baseline fitness tests through regular cardiovascular endurance training, muscular endurance training, and activities designed to increase current levels of fitness. Students will be introduced to life-long activities designed to increase their likelihood of exercising in the future. *0.5 Physical Education Credit for semester* 

### Weightlifting

The student will explore weight training movements designed to improve power and explosion. Our goal is that by the end of the year each student will improve their scores on baseline strength tests through regular weight training, muscular endurance training, and activities designed to increase current levels of fitness. Students will be introduced to lifts and exercises designed to increase their likelihood of weight training as a lifelong fitness hobby. Students will understand the benefits that regular exercise can provide for a person's mental, physical, and social health. *0.5 Health and Fitness Credit per semester.* 

### **Electives and Occupational Education**

### Leadership

Leadership class will examine multiple ethical frameworks, principles, and theories as they apply to the study and practice of leadership. Real-world application of the most common leadership styles will be examined with a research-based approach through a Christian worldview. Students will apply principles in project-based learning contexts and event planning. *1.0 Elective or Occupational Credit* 

### Applied Technology - NEW

An introduction to learning computer design tools to produce files suitable for 3D printers and other computer controlled tools. Students will produce projects they create based on their computer designs. Students will be trained in safety procedures at the Lacey MakerSpace. Please note that additional fees *1.0 Elective or Occupational Credit* 

### **AP Computer Science Principles**

Learn the principles that underlie the science of computing and develop the thinking skills that computer scientists use. You'll work on your own and as part of a team to creatively address real-world issues using the tools and processes of computation. Skills learned will include making connections between concepts in computing, designing a program to solve a problem, applying abstractions in computation and modeling, analyzing computational work, communicating ideas about technology and computation, and working collaboratively to solve problems. *1.0 Elective or Occupational Credit* 

### **AP Computer Science A**

Students will become familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. You'll do hands-on work to design, write, and test computer programs that solve problems or accomplish tasks. Skills you will learn include: designing a program, developing the algorithms it needs, and writing code to implement them; testing program code and correcting errors, and documenting and explaining how program code works. *1.0 Elective or Occupational Credit; Prerequisite of Algebra 1* 

### **Culinary Arts**

Students will gain skills necessary for an entry-level position in the food service industry or to move on to a Postsecondary education in the field. Training will include Knife Skills, Food Safety & Sanitation Procedures, Kitchen Equipment Safety, Basic Kitchen Vocabulary, Food Science and Nutrition, Cooking & Baking methods / Techniques, Menu Planning, and Portion Control. Students will obtain Food Handler Permits, which costs \$10. *1.0 Elective or Occupational Credit* 

### **Project Management Readiness**

This content is modularized and aligned to four domains: Project Management Fundamentals and Core Concepts, Traditional Plan-Based Methodologies, Agile Frameworks / Methodologies, Business Analysis Framework - Each module will consist of nine weeks (one quarter) of content. At the end of the course students will be qualified to take the exam. *1.0 Elective or Occupational Credit; Junior or Seniors Only* 

### **NCHS & Beyond**

Washington State requirement preparing for post high school. The student will create a portfolio during their four-year high school experience. 0.25 Occupational Education Credit each year, for a total of 1 full credit at the end of 4 years

### **Teacher Assistant**

This is a Pass/Fail course that can only be taken with teacher and administrator permission. *1.0 Elective credit or an Occupational Credit; Junior or Seniors only* 

### **Field Experience**

This is a Pass/Fail course that allows a student to seek a mentor in a particular occupation of interest with which may be taken with teacher and administrator permission. *Credits earned depends on field experience hours; Elective credit or an Occupational Credit* 

## **Concurrent Credit Program and Advanced Placement**

The Concurrent Credit Program is a partnership between NCHS and Northwest Nazarene University (NNU) offering the opportunity for qualifying high school students to begin earning college credit while still enrolled at NCHS. Concurrent credit courses are offered at NCHS, during our regular school day, and are taught by our NCHS faculty who have been approved by NNU departments to teach the courses for credit as adjunct instructors. NNU is a regionally accredited institution of higher education, whereby credits may be transferred to other colleges and universities.

Courses offered through the Concurrent Credit Program are the same as those taught to freshmen and sophomores on the NNU campus. In addition to earning college credit while on NCHS campus, students also receive a significant college tuition discount.

Advanced Placement (AP) courses are also offered which allow students to be challenged with college level coursework that culminates with an exam. Students earn college credit based on their exam score.

Please be advised that there is an additional cost for both Concurrent Credit and Advanced Placement courses. The exact cost for each will be available in September.

# Appendix

### **Graduation Requirements**

Click <u>HERE</u> to view/download our complete list of NCHS Graduation Requirements

### **Additional Documents :**

- Course Credit Tracker
- NCHS and Beyond
  - Community Service Ledger
  - Community Service Criteria