

HORIZON CHRISTIAN SCHOOL

Course Catalog



Horizon Christian School

700 Pacific Avenue
Hood River, OR 97031

541.387.3200 (phone) 541.386.3651 (fax)

www.horizonchristianschool.org

TABLE OF CONTENTS

Pre-Kindergarten.....	page 3
Kindergarten.....	page 4
1 st grade.....	page 5
2 nd grade.....	page 6
3 rd grade.....	page 7
4 th grade.....	page 8
5 th grade.....	page 9
6 th grade.....	page 10
Jr. High Core courses	
Bible	page 17
Language Arts.....	page 17
Mathematics.....	page 17
Science.....	page 18
Social Studies	page 18
High School Core courses	
Bible	page 19
Language Arts.....	page 21
Mathematics.....	page 22
Science.....	page 23
Social Studies	page 24
Electives	
Computer	page 25
Fine Arts.....	page 26
Languages.....	page 28
Physical Education.....	page 29
Other Electives.....	page 29
Physical Education.....	Page 32
Home School.....	page 32
Appendix.....	page 34-39

Pre-Kindergarten

Bible

Familiar Bible stories are expanded into a theme of “Love and Kindness,” as children learn that through God’s love for them, they can show His love to one another. Using this theme gives us a focus on what it means to be kind. We use kindness in our play, circle time, and outdoor times as a guide on how to treat others. Also, through Bible stories we teach the children that God is approachable through prayer. Then, with confidence, they can pray to Him, knowing He hears their prayers.

Phonics and Numbers

ABC-123 and the A Beka textbook Four-Year-Old Kindergarten are the curriculum tools that we use. Children learn by counting and coloring objects to identify and write numbers. They learn number concepts and how to write their numerals from 1 – 20. Guided activities teach phonics. We learn short vowel sounds, simple consonant sounds, blending of consonants and vowels, and words containing one vowel. A simple guide is used to teach children the correct way to write each letter.

Math

Math Practice for Beginners is a tool we use for teaching basic math. Children color some objects one color and the rest another color and then add the two colors together. Two yellow bees and one black bee make three bees altogether. We count objects every day and by the end of the year, using a counting chart, the children as a class together will be able to count to 100.

Circle Time

This is a time where we introduce our letter for the week, we discuss the weather, monthly calendar, and assign class-room jobs. The American flag, the Christian flag along with the Bible are all saluted. We also pray for the needs of the children, the school and our families. During the second semester the Ten Commandments are taught.

Science

Students explore God’s creation by observation, discovery and hands-on activities. Each letter of the alphabet is associated with an animal. We study how special God made each person, the five senses, opposites, and outdoor plant life.

Music

A general music program exposes children to a variety of musical styles through listening, singing, movement, rhythm instruments, and games. Students participate in two musical performances a year and occasional “mini” performances for parents. The major units taught are: following instructions, singing, movement, worship & prayer/praise, cooperation, rhythm recognition, note values and performance.

Art

Students are introduced to the fundamental elements of art (line, shape, color, texture, and pattern) and will create their own pieces using a variety of media (paint, clay, chalk, and pencil). Students learn to share their works and appreciate other’s works.

Social Environment

Children are given time to act out different types of play in both indoor and outdoor settings. They are encouraged to play in groups and one on one for social development. This interaction is the most important part of learning for this age. It helps with their character development: sharing, honesty, obedience, cooperation, self-control, helpfulness, neatness, respect, judgment, patience, confidence, attentiveness, accomplishment, and fairness. All of these are godly virtues.

Kindergarten

Bible

The Horizon kindergarten class uses curriculum that is developed and published through the ACSI Elementary Bible series. Students are introduced to the Bible-based truth that God is real and that he is a person who desires to have a friendship with them based on their relationship with his son, Jesus Christ. The Holy Spirit, our helper and ultimate teacher is invited into our classroom to be a part of our experience with God. Numerous accounts of individuals who encounter the most important person in the universe are taken from both the Old and New Testaments. God's promises and his unchanging and unfailing love are developed through simple lessons taught throughout the year.

Phonics and Emergent Reading Skills

Horizon kindergarteners begin their reading experience by using Harcourt's, *Story Town*, Language Arts curriculum. It is a literature rich program combined with a solid foundation in phonemic awareness, phonics, comprehension, vocabulary and fluency. This program begins with identifying the relationship between individual letters and their sounds. Next the emergent reader begins connecting the consonant-vowel blends and adding simple consonant endings to produce decodable three-letter words. By the second semester students begin decoding long vowel words and reading simple sentences. A key focus of the kindergarten reading program is to provide an engaging literacy-based environment for the developing reader. This is accomplished through daily routines including a morning message, read aloud stories, pocket chart poems, literacy centers, singing songs and other print rich opportunities.

Creative Writing

Many children entering the kindergarten class room come with some basic prewriting and some early writing skills. They also come with an untarnished desire to create by demonstrating what they know. Children are provided daily opportunities to practice and develop this vital skill through journal writing, creative writing exercises and activities utilizing Harcourt's, *Story Town* curriculum.

Handwriting

Horizon uses the Writing with Phonics curriculum developed by ABeka. This method introduces the traditional ball and stick manuscript style also known as Zaner-Blosser. Initially students are introduced to letters and their corresponding sounds, eventually writing simple letter-sound blends, and finally moving to words and sentences. Each morning before handwriting is engaged, students will practice reading and comprehending before completing their handwriting lesson.

Math

Kindergarteners learn beginning math concepts through enjoyable and engaging activities taught in our Harcourt Math Curriculum. They will move through 12 booklets paced approximately one chapter per month. Their year begins with Sorting and Classifying then continues with Patterns, Numbers 0-10, Geometry and Fractions, Numbers 10-30 and Number Patterns. By the end of their first year, students will explore concepts about Money and Time, Measurement, using Data, Graphing and Probability, and the basics of Addition and Subtraction.

Science

Our science program is based on the FOSS or Full Option Science System. We take advantage of learning science by doing science. Our three units are the Fabric, Animals Two by Two, and Trees. We take an exciting look at God's creation through perpetual observation of living and non-living things. In addition to our FOSS program, a variety of seasonal science activities are used to discover and explore God's purpose and plan for the weather, all creatures big and small, plants, our planet and its inhabitants, and the ocean.

Social Studies

Kindergarten students are given the opportunity to learn about America's foundational history, geography, basic economics, and early government. Students also learn about the culture of the First Americans and Early Settlers. Currently Horizon uses the Heritage Studies 1 Social Studies curriculum published by Bob Jones University. This curriculum emphasizes the important balance of combining the instruction of historical fact and basic geography skills with the development of Christian character through a sound knowledge of God and biblical truth. Throughout the

year, students will engage in group projects, field trips, and cultural experiences to enrich their understanding of our amazing history and culture.

Physical Education

Objectives for the student include the development of movement awareness, loco-motor movements, and manipulative activities, such as ball handling skills. Another important focus is the development of balance, rhythm, and self-management skills.

Art

Students are introduced to the fundamental elements of art (line, shape, color, texture, and pattern) and will create their own pieces using a variety of media (paint, clay, chalk, and pencil). Students learn to share their works and appreciate other's works.

Music

This is the first stage of "First Steps in Music" where students use the four voices, singing, speaking, shouting and whispering, to differentiate their own sound and create music. Students are exposed to various genres and styles of music in an effort to expand their view of music as an art form. Students use the four voices, singing, speaking, shouting and whispering to perform repeating songs, simple melodies, simple rhythms, and songs with movement. Students participate in two musical performances a year and occasional "mini" performances for parents and the community. All classes begin with worship and effort is taken to ensure students understand the importance of worship in musical form.

Biblical Worldview Integration

[In addition to a daily Bible class and a weekly chapel, teachers integrate a Biblical Worldview into the curriculum and subjects they teach. The Biblical Worldview Integration \(BWI\) focuses on five areas: God, creation, mankind, moral order, and purpose.](#)

First grade

Bible

First grade focuses on “God’s Gifts to Me,” using ACSI curriculum. The children study how God gives them the gifts of families, friends, leaders, salvation, and the church. Students also learn to pray for each other.

Reading

Curriculum used is Story Town by Harcourt School Publishers. The foundation of reading is established by teaching skills and strategies that lead to early independence in decoding and comprehension. The primary objective is to equip students to read for themselves, and develop a love for reading. Phonics instruction is emphasized as well as kinesthetic approaches to learning letter sounds and blends. Students are exposed to a variety of literature including fiction, non-fiction, and poetry, and participate in small “guided reading” groups.

Language Arts

Curriculum used is Story Town by Harcourt School Publishers.

- **Writing**

Students follow a weekly format of modeled writing, shared writing, and then independent writing.

Lessons taught are: Labels, Sentences, Caption sentences, Sequence story, E-mail, Personal Narrative, Invitation, Research Report, Book Review, Story, descriptions of a thing, place, and memory, and Descriptive and Rhyming Poems.

- **Speaking**

Students participate in a weekly show and tell. Students share stories and pictures in front of the class during “Author’s Chair.”

- **Grammar**

Students follow a weekly format of introduction, group practice, and independent writing.

Lessons taught are: Sentences, Word Order, Naming Parts of Sentences, Exclamations, Nouns, One and More Than One, Special Names and Titles for People, Special Names of Places, Names of Days and Months, Names of Holidays, Using I and Me, Using He, She, It and They, Possessives, Homophones, Verbs, Using Am, Is and Are, Verbs That Tell About the Past, Using Was and Were, Go and Went, and Describing Words

Spelling

Curriculum used is Story Town by Harcourt School Publishers. Through daily lessons, challenge words, and other word forms, spelling memorization focuses on high-frequency words that are used in daily writing and read in weekly stories.

Handwriting

Letter formation (alignment, size, shape, and spacing) is taught using weekly bible verses from A Reason for Handwriting curriculum.

Math

Curriculum used is Harcourt Math. Using hands-on activities, manipulatives, math games, and workbooks, students are taught the following topics: Addition and Subtraction Facts to 20; Graphs, Numbers to 100; Geometry; Money, Time and Fractions; Measurement, Operations, and Data.

Social Studies

Students learn about their world, culture, and current events by reading and discussing a monthly magazine, God’s World News, Early Edition. There is an emphasis on learning about God and Christian character. Other topics are integrated into content areas when appropriate such as Presidents, Pilgrims, and Christmas.

Science

Curriculum used is FOSS, which stands for Full Option Science System. Students learn through experiments and hands on learning. A short textbook is also included for each topic. Units of study are: Pebbles, Balance and Motion, and New Plants.

Physical Education

Through stretching, games, and activities students learn how to control their bodies, develop strength and increase coordination.

Art

Students are exposed to design in the world around them. They are taught to be observers of the aesthetic elements of line, shape, texture, pattern, value and color. They will use a variety of mediums and methods as they learn to apply the elements. Bi-quarter work is done on fine motor skills development and verbal techniques to discuss their art, as well as the work of masters. Students will be guided to produce a portfolio at their level.

Music

During this second stage of “First Steps in Music,” students learn how to recognize more complex melodies, respond to a sung melody line, and keep a steady pulse. Students use the four voices, singing, speaking, shouting and whispering, to differentiate their own sound and create music. They learn call and response songs, simple songs with movement, and learn to react to different styles of music. They explore the different instrument families and are able to hear, see, and play different instruments from the four families: brass, woodwind, string and percussion. Students play simple rhythms and create compositions on percussion instruments and begin to critically listen to music as an art form. Students participate in two musical performances a year and occasional “mini” performances for parents and the community. All classes begin with worship, and an effort is taken to ensure students understand the importance of worship in musical form.

Biblical Worldview Integration

[In addition to a daily Bible class and a weekly chapel, teachers integrate a Biblical Worldview into the curriculum and subjects they teach. The Biblical Worldview Integration \(BWI\) focuses on five areas: God, creation, mankind, moral order, and purpose.](#)

Second grade

Bible

Students study the character traits demonstrated by individuals in the Old and New Testament.

Students complete daily activities that accompany each lesson from their Bible workbook, entitled “God and My Actions”. Students memorize weekly scriptures related to the character trait being studied. Daily prayer is emphasized at the group and individual level, focusing on worship and requests.

Reading

Students develop skills and strategies that emphasize strong phonetics, fluency, accuracy, and comprehension through the Harcourt Reading curriculum. Grammar, writing, and learning robust vocabulary words also are emphasized.

Students meet in small groups regularly within their reading level to practice these skills and are regularly assessed for individual progress.

Writing and Grammar

Students develop knowledge of correct sentence structure, basic grammar skills, phonics skills, word rules (suffixes, homonyms, etc.), and beginning dictionary skills. Creative writing and writers’ workshop are a regular part of practicing the concepts learned. Language is taught using a combination of short lecture, demonstration, and individual and group practice.

Spelling

Spelling focuses on mastery of many high-frequency words in the context of grouping according to phonetic patterns. Spelling is taught using weekly spelling lists with challenge words, a variety of writing activities, games, and homework geared at mastering the words and applying spelling skills in practical ways.

Handwriting

Students continue to develop correct letter formations with the “A Reason for Handwriting Based on Scripture Verses.” Handwriting is taught using demonstration, individual practice, and individual assessment of correct and incorrect letter formation.

Math

Math focuses on the mastery of basic computations to 20, regrouping, numeration to 10,000, addition and subtraction facts through 10, and beginning multiplication and division. Some other areas of instruction include measurements in temperature, length and weight, data in graphs and tables, money, time, geometrical figures, and patterns and fractions. Skills are taught using a combination of short lecture, demonstration, individual and group practice, and a variety of supplementary materials. The introduction of new concepts is regularly combined with continual review of previously learned concepts.

Social Studies

Students study American history from the “Heritage Studies 2 for Christian Schools” text, between the time of early colonization through the Revolutionary War. The focus is on the cultures, traditions, and global influences that played a part in America’s development. Students also study communities, including the role of a community, the components of a community, and the responsibilities of living in a community. Students learn basic map reading skills. This course is taught using short lecture, discussion, reading, and activities (including theme folders) related to the subject matter.

Science

Science is taught through the Foss Full Option Science System, which springs from a philosophy of using an active-learning curriculum. Teachers and students do science together, engaging in enduring experiences that lead to a deeper understanding of God’s creation. Students will study the areas of Insects, Air & Weather, and Solids & Liquids.

Physical Education

Physical Education focuses on a variety of stretching exercises along with various activities to help develop their small and large motor skills. Balls, hoola hoops and relays are used to increase growth in these areas.

Art

Students continue to apply fundamental elements of art (line, shape, color, texture, and pattern) as they create their own pieces using a variety of media (paint, clay, chalk, and pencil). They will share their works, critique and appreciate other's works, as well as practice techniques of master artists from history. Each student will keep a journal to document experiments, solve problems, and show progress throughout the school year. Art history is presented through exploring works of Masters.

Music

This is the third and final stage of "First Steps in Music" where students learn how to recognize steady beat, learn to apply steady beat, and learn even greater rhythm combinations. They begin singing songs in canon (round) form and apply them with percussion instruments. They explore the different instrument families and are able to hear, see and play different instruments from the four families: brass, woodwind, string and percussion. These students learn music theory aurally and visually and are introduced to the staff, specific rests and notes, and high and low pitch. Compositions are done through improvisation as well as within the group. Students participate in two musical performances a year and occasional "mini" performances for parents and the community. All classes begin with worship and an effort is taken to ensure students understand the importance of worship in musical form.

Biblical Worldview Integration

In addition to a daily Bible class and a weekly chapel, teachers integrate a Biblical Worldview into the curriculum and subjects they teach. The Biblical Worldview Integration (BWI) focuses on five areas: God, creation, mankind, moral order, and purpose.

Third grade

Bible

Christ and His Church are taught from ACSI Bible Curriculum and NIV Study Bible. Students learn and gain a better understanding of Jesus and His time on Earth. The students also learn the importance of and how to spread the Gospel. Students learn to share prayer requests and pray for each other. They also memorize verses of scripture.

Reading

The focus in third grade is to take the concepts learned from K-2nd grades and build on:

Fluency
Accuracy and
Reading Comprehension

This is accomplished in small groups that are set up in four stations that your child rotates through. The reading groups are designed to best fit different reader abilities. As a whole class, we work on the same skill. However, depending on the need of the reading group, leveling adjustments will be made so each reader is successful. There is a strong focus on increasing vocabulary. After finishing a book, students are asked to complete activities and mini projects or reading responses. Most of this takes place in the classroom. The curriculum primarily used is Harcourt Story Town Curriculum.

Writing and Grammar

Students learn how to write complete sentences and the components that help create complete sentences (subjects/predicates). Parts of speech are explored: noun, verb, adjective, adverb, pronoun, possessive noun, and articles. These concepts are used in creative writing and different forms of writing throughout the school year.

Spelling

Each week students are given a list of 15 spelling words that focus on a certain blend or sound and five high fluency words, common in reading, writing, and speaking. These words will correlate to what your child is reading and writing in class. There are opportunities for up to five challenging “Super Speller” words. Spelling tests are given on Fridays.

Handwriting

The cursive writing program is designed to teach students to write legibly, focusing on correct alignment, slant, size, shape, and spacing. Regular daily practice is done to bring about effective results using weekly Scriptures as content.

Math

Students learn a variety of math concepts through the use of Harcourt Curriculum. Hands-on activities, rhymes, and songs are some approaches that are used. Areas covered are: Addition and Subtraction Concepts, Place Value and Number Sense, Compare-Order-Round Numbers, Multi-Digit Addition, Multi-Digit Subtraction, Money, Time, Reinforce Addition and Subtraction Concepts, Understanding Multiplication, Multiplication Facts Through 10, Multiplication Strategies, Multiplication Patterns, Understanding Division, Division Facts Through 10, Understanding Fractions, Whole Numbers and Half Numbers on a Line, Geometry, Multiply 2-Digits to 1-Digit Numbers (21x6), Add and Subtract Like Fractions, Fractions and Decimals, Decimals and Money, Probability, Multiply by 1-Digit Numbers, and Divide by 1-Digit Numbers.

Social Studies

Students study from Bob Jones Heritage Studies. Topics and ideas covered are: From Sea to Shining Sea (maps and map skills, landforms, people), North against South (American History, Martin Luther King and MLK Jr.), Community and Cultures, The United States, and Economics.

Science

FOSS (Full Option Science System)

Students learn about The Water Cycle, Magnetics & Electricity, Measurement, and Structures of Life. They study and explore using the Scientific Method: purpose, research, hypothesis, experiment, analysis, and conclusion. Students have hands-on experiences that allow them formulate questions and make discoveries.

Physical Education

Students work on personal space and controlling his/her body through activities and games that improve and define large and small motor movements. There is also a strong focus on team work and team building skills. PE is twice a week for 30 minutes.

Art

Students apply fundamental elements of art (line, shape, color, texture, and pattern) as they create their own pieces using a variety of media (paint, clay, chalk, and pencil). They learn to critique and appreciate other's works, as well as practice techniques of master artists from history. Each student produces a portfolio to demonstrate progress. Additionally, students will participate in a public art show, yearly.

Music

Third Grade students are given Orff Instrument training. This special training involves playing percussion instruments such as xylophones, other mallet percussion, and drums. The students learn an elevated level of music theory, including the parts of the staff, specific notes and rests, as well as time signature. They spend time composing group pieces in class as well as notating music on their own. Students begin singing two-part harmony music and begin music appreciation by looking at different composers and critically listening to different styles of music. Students participate in two musical performances a year and occasional "mini" performances for parents and the community. All classes begin with worship, and an effort is taken to ensure students understand the importance of worship in musical form.

Biblical Worldview Integration

In addition to a daily Bible class and a weekly chapel, teachers integrate a Biblical Worldview into the curriculum and subjects they teach. The Biblical Worldview Integration (BWI) focuses on five areas: God, creation, mankind, moral order, and purpose.

Fourth grade

Bible

Students study God's word to know the truth, hope, healing, and the salvation Jesus Christ offers all people. The emphasis of the Bible study time is on building a personal relationship with Jesus, and learning and applying God's word to the student's lives.

Reading

Reading is taught with both a literature-based approach and a leveled reader system. Students complete a series of activities that demonstrate their ability to comprehend the author's plot, purpose, and perspective. There is a strong focus on increasing vocabulary. Students read grade-level texts to further develop rate, accuracy, and comprehension skills. Independent book selections are required for nightly reading and silent reading time.

Writing and Grammar

The Harcourt Writers Companion is used in weekly lessons to help students understand the elements and traits of effective writing. Students are given many opportunities to incorporate those elements and traits into their own writing. There is a strong focus on organizing, evaluating, and revising their work.

Spelling

Spelling is taught using weekly spelling lists with challenge words. Students complete a weekly homework packet. Student spelling and vocabulary are challenged with a variety of writing activities.

Handwriting

Handwriting includes daily exercises requiring practice of proper formation of cursive letters. These skills attend to the disciplines of proper positioning, size, shape, and spacing of handwriting form.

Math

Students learn to recognize place value to millions; multiplication and division facts to 12, multiplication and division of three and four digit numbers, fraction terminology and relationship to decimals, introduction to basic geometry and algebra, and number theory. Emphasis is placed on problem solving.

Social Studies

Students study Oregon history, the Oregon Trail, and geography of our state. They also study an overview of American history from the time of the early explorers and immigrants through the American Industrial Revolution in the late 1800s. Included in this era are the Civil War, inventions of the 1800s, pony express, Morse code and the telegraph, as well as child labor and the railroads. Map study skills and geography are reinforced.

Science

Students are taught using the Foss Science Curriculum. The science units of study include Earth Materials, Physics of Sound, Ideas and Inventions, and the Human Body. The curriculum uses a variety of laboratory experiments that encourage the students to take complicated topics from abstract to concrete. Learning to use Scientific method is a priority.

Physical Education

Physical education students continue to build on achieving mature form of more complex skills (dribbling, throwing). Students begin to engage in physical activities specifically related to each component of physical fitness (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition). Students become capable of monitoring their own activity and use performance feedback to increase their understanding of a skill as well as to improve performance. Students engage in healthy competition, with sportsmanship as the ultimate goal.

Art

Students continue to apply fundamental elements of art (line, shape, color, texture, and pattern) as they create their own pieces using a variety of media (paint, clay, chalk, and pencil). They learn to critique and appreciate other's works, as well as practice techniques of master artists from history. Each student produces a portfolio to demonstrate progress. Additionally, students will participate in a public art show, yearly.

Music

Students focus on musical and performance skills. The major units taught are: singing in multiple parts, movement, praise and worship, rhythm recognition and creation, note values and recognition, reading music, playing the soprano and alto recorder, and performance etiquette. Recorders are introduced in fourth grade, allowing for an application of learned theory techniques and concepts. Students go through "Recorder Karate", an achievement-based recorder curriculum where students earn "belts" for their achievements in playing the recorder. Students compose their own recorder music. Students sing two-part music while learning to read a choral music score. Students participate in two musical performances a year and occasional "mini" performances for parents and the community. Most classes begin with worship and an effort is taken to ensure students understand the importance of worship in musical form and that they are to give that time, and the rest of the class time, to God.

Biblical Worldview Integration

In addition to a daily Bible class and a weekly chapel, teachers integrate a Biblical Worldview into the curriculum and subjects they teach. The Biblical Worldview Integration (BWI) focuses on five areas: God, creation, mankind, moral order, and purpose.

Fifth grade

Bible

Students study an overview of the Old Testament. *ACSI Bible Curriculum* focuses on the lives of various Old Testament Bible characters and the choices they made. Students are challenged to learn from the lives of Biblical characters and apply Godly decision making in their own day-to-day lives. Prayer is a vital part of daily Bible study. Students are also given a new verse to memorize each week.

Reading

Students read grade-level Harcourt StoryTown texts to develop vocabulary, rate, accuracy, and comprehension skills. Daily reading skill mini-lessons also are implemented as part of their language arts centers. Examples of topics covered include context clues, sequence, reference materials, inference, author's purpose, genre, and elements of fiction. Independent book selections are required for nightly reading and silent reading time.

Writing and Grammar

Utilizing the Harcourt English program, students develop a solid understanding of the English language usage, including identification of parts of speech, sentence structure, and paragraph formation. Using a writing workshop format, students will become familiar with poetry, narrative, expository, and persuasive writing modes. The students also focus on specific writing traits such as organization, author's voice, ideas and content, sentence fluency, word choice, conventions, and presentation.

Spelling

Students learn to focus on spelling patterns, prefixes, suffixes, homophones, silent letters, unusual plurals, and Latin and Greek word parts using the Harcourt spelling curriculum. Students practice during class time and at home. Weekly spelling tests take place on Fridays.

Handwriting

Handwriting includes daily exercises requiring practice of proper formation of cursive letters. These skills attend to the disciplines of proper positioning, size, shape, and spacing of handwriting form. Practice is completed using *A Reason for Handwriting* curriculum.

Math

Harcourt math curriculum is used in the presentation and practice of mathematical concepts. Lessons include place value, graphing, the adding and subtracting of decimals, beginning algebra, multiplication, division, factors, multiples, exponents, fraction concepts and operations, geometry, integers, measurement, ratio, percent, and probability.

Social Studies

Students study 20th century American history from a biblical perspective. Focus is placed on the industrial advances that introduced the automobile and airplane, World War I, the Depression, events leading to World War II, and the Civil Rights Movement. Also included is the research of United States geography, cartography, and cultural, political, and natural boundaries found throughout the world. Textbook readings, creative projects, and individual assessments are utilized.

Science

Students focus on a scientific study of God's world including units on Food & Nutrition, Solar Energy, Levers & Pulleys, and Models & Designs. Through the use of guided experimentation and a hands-on approach, students develop an understanding of the scientific method of research.

Physical Education

Students participate in physical education twice a week throughout the school year. Units are taught covering soccer, distance running, basketball, and cooperative games. Students learn proper stretching form and strength training methods. Physical education goes beyond school during the month of April, when students take part in the statewide program Shape Up Across Oregon.

Art

Students continue to develop their skills as designers and their knowledge of the use of various media, keeping journals to record their growth and thoughts. Students will participate in a public art show. Each student produces a journal to show progress.

Music/Beginning Band (offered to all 5th grade students)

Music instruction is approached through learning an instrument. Students may select from a variety of instruments while the director ensures the band is balanced. The class provides students with the opportunity to experience being part of a full band. Daily rehearsals and sectionals contribute to technical and artistic development, while consistently working through the band methods book and learning other band literature. School concerts provide the students with opportunities to perform. Regular practice at home is expected. Families are encouraged to purchase, rent or borrow an instrument for each student, and information is given by the director at the beginning of each year on different options for instruments.

Biblical Worldview Integration

In addition to a daily Bible class and a weekly chapel, teachers integrate a Biblical Worldview into the curriculum and subjects they teach. The Biblical Worldview Integration (BWI) focuses on five areas: God, creation, mankind, moral order, and purpose.

Sixth grade

Bible

Course emphasizes the knowledge and understanding of the truth of God's Word. Course uses the Bible and Gospel Light Curriculum to discover His promises and to learn about historical and present-day examples of the fulfillment of those promises. Each student is equipped with the tools needed to develop Godly character and make a difference in their everyday choices. Students are encouraged to see themselves and others the way God sees them, with the goal of increasing self-confidence and improving interaction with others.

Language Arts

Course is a combination of reading, writing, and language study. Students are encouraged to read a variety of genres in order to expand their world of reading. Class book sets are used to teach students reading strategies, increase comprehension, and to learn about life from a Biblical perspective. As part of the literature reading students write detailed explanations and complete book projects to show their understanding. Students use informational texts (encyclopedias, web pages, newspapers, magazines, text books, etc.) for research on various topics. Writing a well thought out paper is one of the main goals of sixth grade. Students write about their reading, as well as Math, Bible, Social Studies, and Science topics. Rigorous language study includes: Vocabulary, Spelling, and Grammar. Focused study on the English language helps students become more proficient at reading and writing.

Math

Starting with basic addition, subtraction, multiplication, and division of multiple digits, students build understanding of the logical processes one step at a time. Students learn to solve problems using strategies, factoring, fractions, decimals, percents, ratios and proportions, graphs, geometry, and algebra. They also learn to convert measurements, both Standard and Metric.

Science

Course is designed to teach students the scientific method through observation, prediction, experimentation, and drawing conclusions. We explore different areas of science including; the layers of the earth, rocks, states of matter, force and motion, energy, and plant and animal cells. The students become amateur scientists as they discover a problem, make a hypothesis, gather materials and create a procedure to conduct an experiment, and then draw conclusions from their data that they have collected during their experiment. Throughout the course, the emphasis is on God as creator and sustainer of all things.

Social Studies

Course includes the study of cultures & geography, government, economics, and history. Students study the early inhabitants of the Columbia River Gorge, basic map skills, and the rights of United States citizens, providing a foundation for further study of the ancient civilizations of Mesopotamia, Egypt, Israel, India, China, Greece, Rome, and the Mayas. Throughout the year students read newspapers and grade-appropriate magazines, writing summaries and opinions about the articles read.

Art

Students continue to develop their skills as designers and their knowledge of the use of various media, keeping journals to record their growth and thoughts. Students will participate in a public art show. Each student produces a journal to demonstrate progress.

Music/Intermediate Band (offered to all 6th grade students)

Intermediate Band is a step beyond the beginning instrumental program and is offered to 6th grade students. Generally students have played a year by this time and the coursework and repertoire reflects an elevated level of playing. Beginning students who are new to Horizon, may audition for the band and will be supported to work hard and develop their musical skills. Students are encouraged to remain on their primary instrument for the remainder of the year. Intermediate Band is a continuation of the beginning band with more emphasis on reading basic notation at a higher level. More musical styles are introduced with more complex meters, dynamics and musical terms. This course provides students with the opportunity to further their understanding and experience of instrumental music within a concert band setting. Rehearsals and sectionals contribute to further technical and artistic development, while consistently working through the band methods book. Regular practice at home is expected. School concerts provide the students with opportunities to perform. Daily practice at home is required. *Prerequisite: Beginning band or Director Approval.*

Jr. High Core Courses

Jr. High Bible

Walking with God and His People: New Testament GradeLevel:7/8 Prerequisite: none

Duration: 1 year Credit: 1

The heart of this class is the New Testament. Students explore questions like: Why a New Testament and Gospels? Who is this Jesus and the Apostles? What is the Kingdom of God? What is the great commission? Who is the Holy Spirit? What is the true Church and true Revival? and What should the Church look like for us today? Students will memorize key verses from God's Word to help them form a foundation of Biblical thought.

Walking with God and His People: Old Testament GradeLevel:7/8 Prerequisite: none

Duration: 1 year Credit: 1

Central to this Bible course is the Jewish faith, as seen in the Old Testament, which led to Christianity. We will study: The major themes of the Bible-- creation, fall and redemption. The feasts and how they are understood in the 21st century. The prophets from a Jewish perspective to make application. Times between the Old and New Testaments will be studied along with the Dead Sea Scrolls and Qumran. Verses on prayer will be memorized: John 15:7 and John 16:24.

Jr. High Language Arts

English 7/8: Tell Your Story: Grade Level: 7-8 Prerequisite: none

Duration: 1 year Credit: 1

Course focuses on cementing mechanics in the areas of reading and writing using a variety of activities that accommodate all learning styles. Students explore vocabulary, grammar, and mechanics through the reading and study of works of classical literature focusing on how to tell life stories in poetry, fantasy, and biography.

English 7/8: Elements of Fiction: Grade Level: 7-8 Prerequisite: none

Duration: 1 year Credit: 1

Course focuses on cementing mechanics in the areas of reading and writing using a variety of activities that accommodate all learning styles. Students explore vocabulary, grammar, and mechanics through the reading and study of classical short stories and dystopic literature focusing on how stories communicate using the elements of fiction.

Jr. High Math

Algebra ½ or Pre-Algebra: Grade Level: 7-9 Prerequisite: General Math

Duration: 1 year Credit: 1

Pre-Algebra will focus on the introduction of algebraic concepts and ideas. The course will facilitate student's transition from the concrete concepts of arithmetic to the abstract concepts of Algebra. By the end of this class students will be comfortable with basic Algebraic concepts and ideas.

Algebra 1: Grade Level: 8-11 Prerequisite: Algebra ½

Duration: 1 year Credit: 1

In Algebra 1, students will be exposed to topics of varying complexity from beginning Algebraic concepts to intermediate Algebra. This course will cover topics related to the tools of Algebra, solving equations and inequalities, solving and applying proportions, graphs and functions, linear equations and their graphs, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic equations and functions, radical expressions and equations, and rational expressions and functions.

General Math: Grade Level: 7-9 Prerequisite: none
Duration: 1 year Credit: 1

This course is for students who need more work on the basics of multiplication and division as well as working with integers, fractions, and decimals before taking Algebra ½. The course emphasizes mastery of multiplication facts as well as development of number sense as it applies to fractions and positive and negative numbers so that Algebra makes sense.

Jr. High Science

Earth Science: Grade Level: 7-8 Prerequisite: none
Duration: 1 year Credit: 1

An overview of God’s created universe seen from three perspectives; from the lithosphere (the land), hydrosphere (the sea) and atmosphere (the sky). This study fixates on the physical evidence and its interpretation in order to explain land movement, volcanic activity, plate tectonics, and to the somewhat predictability of metrology (weather), as we identify the contributions wind patterns, ocean currents and seasons have on weather today. Evidence of a young earth allows the student to put the created yet broken puzzle back together by formatting landscape strata, to its well-planned designer on how He holds all things together. From space and the adventure in understanding the expanse of the heavens, student's travel along with the space program and engage in its historical discoveries understanding that this is evidence that declares His glory. Multiple labs and projects (science fair), accompany this course study. A short segment on matter, its chemistry, and some problem solving, help students prepare to transition as freshmen to a formidable study of general chemistry, energy and motion.

Life Science: Grade Level: 7-8 Prerequisite: none
Duration: 1 year Credit: 1

Life Science will be taught from a Design trajectory. Key verse: Romans 1:20 “Since the creation of the World, God’s invisible attributes, eternal power and divine nature have clearly been seen, so that man is without excuse.” We will attempt to cover in a years -time the following: Cells and Cellular Function, Genetics and Genetic changes, Biblical Creationism and Biological Evolution, Human Body and its various functions, the Microscope and its use, the 5 Kingdoms along with Vertebrate and Invertebrate organisms.

Jr. High Social Studies

U.S. History 7/8: Grade Level: 7-8 Prerequisite: none
Duration: 1 year Credit: 1

U.S. History allows students to examine the history of our nation objectively through a Biblical Worldview lens. We will investigate major historical concepts such as Native North American civilizations, colonization, American Independence, Civil War, World War I, the Great Depression, and World War II. We will also dive into topics like manifest destiny, slavery, and the Monroe Doctrine. The goal of this course will be to allow students to understand why our past is relevant today, and in what ways our past might impact our future.

World History 7/8: Grade Level: 7-8 Prerequisite: none
Duration: 1 year Credit: 1

This course examines history continent by continent with a focus on the eastern hemisphere. In addition to explaining history and cultures, students work on reading and study skills, including test-taking strategies. This course is designed to help students become stronger readers, thinkers, and learners, as well as getting them excited about seeing how God has been at work throughout history.

High School Core Course Descriptions

High School Bible

Becoming What God Intended

Grade Level: 10-12

Prerequisite: CFF

Duration: 1 semester

Credit: .5

This discipleship course is designed to help the Christian become what God has always intended. Students will be guided through the book *Becoming What God Intended* to discover how the disarming acceptance of God creates character within the Christian's heart, and how the character is sustained by deep gratitude. The course relies heavily on personal introspection and class discussion regarding the application of Biblical principles to grow you in Christ.

Bible Difficulties

Grade Level: 10-12

Prerequisite: CFF

Duration: 1 semester

Credit: .5

Christians have historically held the Bible to be the inspired and inerrant word of God – but many unbelievers have attacked its reliability. This course will deal head on with the question: “Is the Bible a reliable and trustworthy document?” We will address criticisms ranging from “inaccuracies” (did Jesus feed 4,000 or 5,000?) “mysteries” (where did Cain get his wife?) “impossibilities” (miracles) “authorship issues” (JEPD) “indeterminability issues” (gender use in translation) “errors” (manuscript discrepancies), scientific inaccuracies (the sun doesn’t move around the earth...) etc. We will attempt to work through the Bible one “error” at a time – and will provide a forum to discuss any student questions over the course of the Semester – come prepared to think and to be challenged – whichever side of the issue you find yourself on.

Bible Imperatives

Grade Level: 10-12

Prerequisite: CFF

Duration: 1 semester

Credit: .5

How do rules from the Old Testament apply to us today? Does the Bible say anything about piercings, tattoos or hairstyles? What does the Bible say about mind-altering substances? We often have questions about what the Bible says – and what those things *mean* for us today. In this class we will get to the bottom of questions about what the Bible teaches, what is really clear and what is not. How Christians should handle commands from the Old Testament, and how we should apply the Bible to situations that it doesn’t directly discuss. Come prepared to be challenged, to roll up your sleeves and engage in wrestling with questions like "What does it say?" "What does that mean?" And "How should I live?" This class will involve in-class analysis, processing, discussion, and some debate. Out of class work will be minimal but personal engagement with the material in class will be expected. This class will challenge preconceptions and we will learn a great deal and have a lot of fun along the way.

Bible Narrative:

Grade Level: 10-12

Prerequisite: CFF

Duration: 1 semester

Credit: .5

Do you love a good story? In this course we will explore many of the remarkable stories in the Bible including contents scattered mostly through The Old Testament and parables of Jesus. We will wrestle with the reality that sometimes the heroes of our faith are great examples—but often they're not.

Bible Wisdom:

Grade Level: 10-12

Prerequisite: CFF

Duration: 1 semester

Credit: .5

How can we live wisely? In this course we will study how the Bible answers this question—particularly in the books of Proverbs and Ecclesiastes, but also through selections from the rest of the Bible. Come ready for practical content and dialogue that will challenge how you think about life, choices and character.

Christian Apologetics:

Grade Level: 10-12

Prerequisite: CFF

Duration: 1 semester

Credit: .5

This course will explore the evidence for the truth of the Christian Faith – including the data and arguments for the truth of the Christian Scriptures, the life and resurrection of Jesus, the existence of God, and morality, and the livability of the Christian Worldview – etc. Along the way we will discuss how other religions and worldviews deal with similar sorts of questions, what evidence they bring, and different ways of thinking about evidence, proof and

knowledge. Come prepared to be challenged and to ask hard questions about the reasons there are for believing Christianity to be true among the competing belief systems in the world today.

Christian Faith Fundamentals Grade Level: 9-12 Prerequisite: None
Duration: 1 year Credit: 1

This is the foundational, Bible requirement for High School at Horizon. The course will discuss: Why do Christians believe what they believe? How has this world religion affected the course of History? What Worldview do you hold and how do you know? This course lays a strong foundation for an understanding of the Old Testament and New Testaments and the Worldviews that both agree and clash with the Christian perspective.

Church History: The Early Church-The Modern Age Grade Level: 10-12 Prerequisite: CFF
Duration: 1 semester Credit: .5

The early church grew explosively not only among the Jewish people, but also in an unsuspecting and sometimes hostile gentile culture. In this course we will study the activity, growth and difficulties of the early Church following the book of Acts as our guide and integrating contents from Paul, John, Peter, James and Jude. You will come away with a better understanding of the New Testament, the Christian Faith and this pivotal period in human history.

Intro to Christian Theology: Grade Level: 10-12 Prerequisite: CFF
Duration: 1 semester Credit: .5

This course analyzes what Christians believe about God, Jesus Christ, Humanity, sin and salvation, the Bible, Heaven and Hell, etc. Students will be provided an excellent opportunity to explore what Christians have believed and the Bible says on a variety of theological topics and to explore and develop their own theological convictions.

Life and Times of Jesus: Grade Level: 10-12 Prerequisite: CFF
Duration: 1 semester Credit: .5

Jesus is, without a doubt, the most famous, influential and interesting person who has ever lived. In this class we will study the life of Jesus as presented in the Gospels of Matthew, Mark, Luke, and John. The goal is that you would come away with a better understanding of who Jesus is based on direct personal examination of his life and teaching.

Phil 202: Ethics: Grade Level: 11-12 Prerequisite: CFF
Duration: 1 semester Credit: .5 High School (4 Quarter cr. College-Additional fee: \$52.00 + text)
Other: Concurrent Course Grade Bump

This course in Introductory Ethics is taught by Horizon staff through arrangement with Columbia Gorge Community College for college credit (4 credits) and “Studies attempts by philosophers to account for the difference between right and wrong, for the notion of moral obligation and to answer the question: How should we lead our lives.” Requires CGCC approval and instructor consent and student purchase of James Rachels’ Elements of Moral Philosophy, 2006 or newer.

PHL 204: Philosophy of Religion Grade Level: 11-12 Prerequisite: CFF
Duration: 1 semester Credit: .5 High School (4 Quarter cr. College-Additional fee: \$52.00 + text)
Other: Concurrent Course Grade Bump

This course provides a survey of major world religions including Hinduism, Judaism, Buddhism, Christianity and Islam and an introduction to philosophical issues related to religious belief through a combination of readings, lecture, video, in class discussion, independent research, class presentations and debate.

This challenging dual credit class fulfills a Horizon Bible elective requirement and grants 4 quarter credits through Columbia Gorge Community College (as PHL 204).

Spiritual Disciplines Grade Level: 10-12 Prerequisite: Christian Faith Fundamentals
Duration: 1 semester Credit: .5

This Bible elective will explore some classic Christian spiritual disciplines through historical, biblical, and devotional sources. The spiritual disciplines discussed in this class have historically been affirmed by Christians seeking a deeper spiritual life and connection with the Triune God. This class leans more meditative and practical than strictly academic-though students will have opportunity to interact with primary sources-and the grade is therefore more heavily weighted toward participation than academic achievement.

Tensions in Theology

Grade Level: 10-12

Prerequisite: Christian Faith Fundamentals

Duration: 1 semester

Credit: .5

Systematic Theology is the orderly exposition of theology, traditionally broken into Theology Proper, Christology, Soteriology, Eschatology, etc. This class will introduce these “-ologies”—and thereby the content of Christian beliefs—by focusing on some of the classic tensions that theologians have wrestled with throughout church history.

High School Language Arts

AP English Language & Composition: Grade Level: 11-12

Prerequisite: English 9/10

Duration: 1 year

Credit: 1 (possible college testing through Spring AP Exam)

This is a practical course to develop language skills necessary for successful college and vocational entrance. Students will prepare resumes and essays expressing their distinct personalities. Students will be exposed to a variety of literature to develop their own writing style. Activities and projects will prepare the students to sit for the AP exam in the spring.

AP English Literature & Composition: Grade Level: 11-12

Prerequisite: English 9/10

Duration: 1 year

Credit: 1 (possible college testing through Spring AP Exam)

The purpose of this rigorous course is to teach students to be discriminating and observant readers able to convey their thoughts to others and understand the thoughts of others in both spoken and written form, fluently, effortlessly, and artfully. Students will be prepared to sit for the AP English Literature and Composition exam in the spring testing their ability to read closely and write well. Depending on the score any given student receives on the exam, a student has the option to apply this class for college credit.

English 9/10: Finding Your Voice: Grade Level: 9, 10Prerequisite: 8th grade Language Arts

Duration: 1 year

Credit: 1

Through a variety of activities, accommodating all learning styles, students will explore classical literature, vocabulary, grammar, and mechanics. Everyone has a story to tell. Focus will be given to expanding the student's ability to tell that story by examining how the greats have done it. Emphasis will be placed on the role of the hero/heroine in the literature. Students will look at the heroes throughout the ages through various genres of Fantasy, Realism, Romanticism, and research writing. Focus is placed on the student's emerging styles in writing and verbal expression. Students will explore the genres of fantasy, romanticism, realism, and naturalism being given opportunities to mimic these styles. This class also includes a unit on research procedures. The unit culminates in the writing of a 5-7 page research paper.

English 9/10: What's in a Story/Elements of Fiction: Grade Level: 9, 10Prerequisite: 8th grade Language Arts

Arts

Duration: 1 year

Credit: 1

Accommodating all learning styles, students will explore classical literature, vocabulary, grammar, and mechanics. Emphasis is placed on the elements of fiction. There will be many opportunities to express thoughts and ideas in writing through the study of exemplary writing. They will learn to write in their own creative style. Several works of classic literature in genres including Local Color, mystery, surrealism, story-telling poetry, and a comedy of errors by Shakespeare will be explored with guided discussions and activities for each work, including the elements of fiction and memory work. Students will study these genres paying special attention to their connections to each other and historical events surrounding their emergence.

WR 111: English Composition:

Grade Level: 11-12

Prerequisite: English 9/10

Duration: 1 year

Credit: 1 (4 Quarter cr. College-Additional Fee: none)

This concurrent course aligned with Warner Pacific introduces academic writing as a means of inquiry. It employs critical reading, discussion and the writing process to explore ideas and formulate positions. Additionally, the course emphasizes development of writing and critical thinking through logical reasoning, rhetorical control, independent research and information literacy.

High School Mathematics

ADV Applied Business Math: BA 104 Grade Level: 11-12 Prerequisite: Alg 1
Duration: 1 Semester Credit: .5 (4 Quarter college cr. -Additional fee: \$54.00) This CGCC concurrent course presents a variety of problems and situations found in business where arithmetic is constantly used. It prepares students to use mathematics in solving monetary and valuation problems in business and personal finance.

ADV Calculus: MATH 251/252 Grade Level: 11-12 Prerequisite: Pre-Calculus
Duration: 1 year Credit: 1 (4 Quarter college cr. -Additional fee: \$54.00)
First two courses in calculus and analytic geometry; basic techniques of differentiation and integration with applications including curve sketching; anti-differentiation, the Riemann integral, fundamental theorem of calculus, exponential and trigonometric functions, techniques of integration, conic sections, polar coordinates, and applications in physics related to integral. We will discuss infinite series if time permit.
This class is optional concurrent college credit through CGCC for students who earn a C or better throughout year. Student will be registering the equivalent course during winter and spring semester.

ADV Functions/PreCalc: MATH 111/112 Grade Level: 11-12 Prerequisite: Algebra 2 and Geometry
Duration: 1 year Credit: 1 (4 Quarter college cr. -Additional fee: \$54.00)
In this class, student will explore relations and functions graphically, numerically, symbolically, and verbally. Examines exponential, logarithmic, power, polynomial, rational functions, periodic functions, trigonometric identities, vectors, polar coordinates, parametric equations, complex numbers and applications relate to real-world problems. This class is optional concurrent college credit through CGCC for students who earn a C or better throughout year. Student will be registering the equivalent course during winter and spring semester.

ADV PBL Math in Society: Math 105 Grade Level: 11-12 Prerequisite: Algebra 1
Duration: 1 year Credit: 1 (4 Quarter college cr. -Additional fee: \$54.00)
On a daily basis we encounter the beautiful dynamic relationship between math and our existence. Not only is Mathematics useful, amazing, and FUN, but it is also accessible to everyone! Together, we will embark on an exciting journey as we unveil the extraordinary discoveries that the mathematical world entails.
This class is a project base learning (PBL) focus which means no exams or quizzes just learning and developing a deeper and richer understanding of math. Each month, we will explore a specific topic including Logic, Elections, Art, Music, Urban Planning, Finance, History, Probability, and Games.
This class affords optional concurrent college credit through CGCC for students who earn a C or better throughout year. Student will be registering the equivalent course during spring semester.

ADV Statistics: Math 105 Grade Level: 11-12 Prerequisite: Algebra 1
Duration: 1 year Credit: 1 (4 Quarter college cr. -Additional fee: \$54.00)
This class affords optional concurrent college credit through CGCC for students who earn a C or better throughout year. Student will be registering the equivalent course during spring semester. Topics will cover data analysis and collection.

Algebra ½-General Math: Grade Level: 7-9 Prerequisite: none
Duration: 1 year Credit: 1
These Pre-Algebra courses will focus on the introduction of algebraic concepts and reinforce student basic concept in arithmetic, geometry, and statistics. The concepts include algebraic expressions, linear equations, inequalities, geometry, statistics, and graphing. Problem solving, reasoning, estimation, and connections between math and everyday applications will be emphasized throughout the courses. The courses will alternate every other year.

Algebra 1: Grade Level: 8-11 Prerequisite: Algebra ½ or General math
Duration: 1 year Credit: 1
In Algebra 1, students will be exposed to topics of varying complexity from beginning Algebraic concepts to intermediate Algebra. This course will increase their procedural skill and fluency in solving linear equations and inequalities in two variables. Additionally, this class will emphasize modeling real-world situation with

linear equations, system of linear equations, inequalities, proportions, exponents and exponential functions, and polynomials.

Algebra 2: Grade Level: 9-12 Prerequisite: Algebra 1
Duration: 1 year Credit: 1

Algebra 2 covers mathematical concepts that draw together ideas' students have learned in prior math courses. In this course students will model real-world scenarios with mathematics. In addition to graphing each function, they will determine appropriate domain, range, intercepts and increasing/decreasing intervals within the context of a problem. Units that extend previously learned Algebra 1 topics are taught through a project or investigative task that incorporates multiple standards from within that unit. In order for students to be able to make sense of the functional models, students will develop data analysis skills. By the end of this course students will master descriptive statistics and begin to understand inferential statistics.

AP Calculus AB/BC: Grade Level: 11-12 Prerequisite: Pre-Calculus
Duration: 1 year. Credit: 1

First two courses in calculus and analytic geometry; basic techniques of differentiation and integration with applications including curve sketching; anti-differentiation, the Riemann integral, fundamental theorem of calculus, exponential and trigonometric functions, techniques of integration, conic sections, polar coordinates, and applications in physics related to integral. We will discuss infinite series if time permit. The course intended to prepare student to take AP Calculus AB exam. If student plan to take Calculus BC exam, they must notify their intention and prepare for extra work from class.

Business Math: Grade Level: 11-12 Prerequisite: Alg 1
Duration: 1 semester Credit: .5

The focus of this course is to lay a solid foundation for business and for life. Students will apply basic math concepts and skills to solve real-world problems, analyze options, and make financial decisions. Prerequisites include mastery of calculating with percentages and a clear understanding of fractions. Students will also benefit from having already taken Money Management.

Geometry: Grade Level: 9-12 Prerequisite: Algebra 1
Duration: 1 year Credit: 1

In this class will explore on how point, line, planes and other geometric figures relate to our real world. Topics include logic and proof, parallel lines and polygons, perimeter, area, volume, surface area, similarity, congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument.

High School Science

ADV Anatomy & Physiology: BI 131// Grade Level: 11-12 Prerequisite: Biology
Duration: 1 year Credit: 1 (15 Quarter college cr. -Additional fee: \$108.00)

This is a CGCC concurrent lab-based course that explores the beauty and intricacies of the human body. It will be a hands-on exploration, including labs, of the parts of the body that compose the systems of the body and the interactions of those systems. In this class students begin by learning about homeostasis and the importance of balance in the human body, moving on to cover the major systems of the body. Students will be laughing, learning, and living science like they have never done before. Our desire is to cultivate a life-long love of learning into each student.

ADV Chemistry: CH 121/122/123 Grade Level: 11-12 Prerequisite: Physical Science
Duration: 1 year Credit: 1 (15 Quarter college cr. -Additional fee: \$108.00)

This CGCC concurrent lab-based course picks up where the 9/10 Physical Science course left off. Students pursue collegiate-level Chemistry concepts such as measurement, atomic structures and the periodic table, stoichiometry, ionic equilibria, acid/base chemistry, properties of gases, liquids, solids and solutions, as well as introducing electro- and nuclear chemistry, thermodynamics and special Chemistry topics. The course will focus on giving students an

enduring understanding of chemical concepts giving them strong navigational tools for the science of the future. It may be adapted for AP credit per student request. This option will require students to do additional work independently and with the instructor throughout the year to prepare for the AP exam.

AP Physics Grade Level: 11-12 Prerequisite: Physical Science
Duration: 1 year. Credit: 1 (Possible college credit with Spring AP Exam)

This course uses the Conceptual Physics course as a jumping-off point to study physics on a much deeper mathematical platform. It is designed to prepare students to sit for the Spring AP Physics 1 exam. AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

Biology: Grade Level: 9-10 Prerequisite: Life Science
Duration: 1 year. Credit: 1

A comprehensive study of life orchestrated by the design of The Creator as a gift to mankind and all of His creation. From the first six chapter of Genesis, one can see the created order, taxonomical naming system and the three living environments needed to support all life. Unfolding life, beginning with the cell and all its life sustaining processes will be defined, examined and studied, from both plant and animal perspectives. Distinctive environmental Biosystems composed of both food chains and pyramids for all living organisms, students will again examine the positive and negative relationships encountered for sustainable existence. A comparative anatomical study survey will move student's through the vertebrates, ending with God's finest distinctive, "Man" and his anatomy and physiology. Class will be accommodated with dissection, biological field mounts, projects, and short outdoor field trips. Lab participation is a mandatory requirement for this class, due to the lack of extra-curricular repeatability.

Conceptual Physics: Grade Level: 11-12 Prerequisite: Physical Science
Duration: 1 year Credit: 1

You can't enjoy a game unless you know its rules; whether it's a ball game, a computer game, or simply a party game. Likewise, you can't fully appreciate your surroundings until you understand the rules of nature. Physics is the study of these rules, which show how everything in nature is beautifully connected. So the main reason to study physics is to enhance the way you see the physical world. You'll see the mathematical structure of physics in frequent equations, but more than being recipes for computation, you'll see the equations as guides to thinking.

Physical Science: Grade Level: 9-10 Prerequisite: none
Duration: 1 year Credit: 1

This is a study of physical matter in all of its particular phases, and will encompass progression from an atomic structure to its function in transitional forms of energy. Beginning from an elementary level of understanding, this class will push for mastery of the chemical aspect associated with matter in solids, liquids, and gases. An understanding of the Periodic Table of elements and its atomic components, dimensional analysis templates for problem solving, conversion factors with proper units and transitional forms of energy will place emphasis on each student's mathematical application so that this study will become profitable for a more secondary advanced chemistry and physics discipline. Using both the pure and applied science approach in this study, students will come to know the value of understanding simple machines and their work, potential and kinetic forms of energy, Newton's laws of motion, Laws of thermodynamics and much more. This class also includes lab activities which will require both attendance and additional work. It might be suggested that successful completion of Pre-Algebra or Algebra 1, will re-enforce math principle already acquired and make problem solving much easier.

High School Social Studies

ADV U.S. History: HST 201/202/203 Grade Level: 11-12 Prerequisite: US History 7/8
Duration: 1 year Credit: 1 High School (12 quarter cr. college; additional \$108)

This course for juniors and seniors is taught as a college level, chronological and thematic survey class covering the time period from pre-Colonial America to the present. It is offered for optional concurrent credit through Columbia Gorge Community College for students who earn a C or better at Horizon. The course prepares students for intermediate and advanced college classes through coursework equivalent to full-year introductory college courses. Students will learn to analyze historical materials – assessing their relevance to a given interpretive problem, their reliability, and their significance – and to weigh the evidence and interpretations presented in historical scholarship. Students taking this course for concurrent credit will be assisted in registering for HST201, HST202, and

HST203 through CGCC at the appropriate time during the school year. The course may be adapted for AP credit per student request. This option will require students to do additional work independently and with the instructor throughout the year to prepare for the AP exam.

ADV US Government: PS 201/202

Grade Level: 11-12

Prerequisite: World Studies

Duration: 1 year

Credit: 1 High School (8 quarter cr. college; additional \$54)

The intent of this course is to increase understanding of the American political system, its frameworks, traditions and values, with the goal of having students prepared to succeed in college and as adult citizens in our society. We will examine in detail the principle processes and institutions through which the political system functions, as well as some of the public policies that these institutions establish and how they are implemented. This course is taught on a college level and requires a substantial amount of reading and preparation for classes. Students should be prepared to think critically about the strengths and weaknesses of our nation's political system and understand their rights and responsibilities as citizens of a democratic republic and as Christians in American society. This junior/senior course is offered for optional concurrent college credit through Columbia Gorge Community College for students who earn a C or better throughout each semester. Students will be assisted in registering for the equivalent course at CGCC at the beginning of the school year. May be adapted for AP credit per student request. This option will require students to do additional work independently and with the instructor throughout the year to prepare for the AP exam.

World Geography 9/10:

Grade Level: 9-10

Prerequisite: none

Duration: 1 year

Credit: 1

Through case studies of geographic issues, this course leads students to explore the physical and human geography of each of seven world regions. Essential questions are identified and explored. In addition to reading for information, activities include mapping labs for each region plus visual learning through maps, photos, graphs, diagrams, and tables all through the lens of how God is at work. Students are frequently encouraged both to discuss and to write to process information and clarify thoughts.

World History 9/10:

Grade Level: 9-10

Prerequisite: World History 7/8

Duration: 1 year

Credit: 1

Students explore the world through historical, geographical, and cultural investigations of both western and eastern traditions from the late Middle Ages to the present. Students gain an appreciation for the major civilizations and cultures that have risen and fallen in the second millennia.

Electives: Jr. High, High School, & Homeschool

Computer

Computer Applications:

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

This is a required high school elective class. This course focuses on making students proficient on the computer, typing, as well as running basic applications necessary to success in today's world. Students become familiar with Word, Excel, PowerPoint, as well as coding web pages in html or java script. In addition, students are taught basic hardware principles and trouble-shooting on the computer. Upon completion of the course students will be touch typing and able to handle the basics of any computer hardware and software.

Introduction to Digital Media Production:

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

We are surrounded by digital media: online videos, podcasts, blogposts, streaming music, social media posts by brands, ebooks, and more. Let's shift our relationship to these from consuming to creating! This class will introduce students to a variety of media creation applications and techniques for media production. Students will shoot and edit video; author, record, and publish a podcast; and learn the basics of digital photo manipulation and digital design tools. Since this is a creation class, students will be expected to plan, outline, write, and edit original works.

On-line Courses/Open Courseware:

Grade Level: 10-12

Prerequisite: none

Duration: 1 semester

Credit: .5

This class is for self-motivated students 10th through 12th grade who do not wish to receive college credit but would like to experience online studies. There are a variety of online sites and courses available. You must have a field of study in mind. An example of what students have chosen in the past are **Blender 3-D Design, Force and Strategy, Architecture, and Films for Social Change.**

Tech and Media/Zine Grade Level: 7-12 Prerequisite: none
Duration: 1 Semester Credit: .5

This course will meet the computer applications requirement for graduation while simultaneously exploring the world of media publications. Students will become proficient on the computer, typing as well as running basic applications necessary to produce a hard copy publication, The Horizon Voice. This publication will be produced for Horizon students by Horizon students using ethical journalist practices. Students will be guided in the art of journalism and problem-solving throughout the semester. Come prepared to investigate, illustrate, interview, write, draw, cut, paste and photocopy together a unique take on life and Horizon through student eyes.

12 Principals of Animation Grade Level: 9-12 Prerequisite: none
Duration: 1 Semester Credit: .5

This course will be an exploration in the fundamentals upon which all animation is based and constructed. The class will be heavily project-based and will focus on both the applications of these principles as well as the perspective required for creating successful, interesting, and life-like movement in art. The primary medium will be digital 2D through exploration of the other mediums of animation as well and will be highly encouraged.

Animation Production. Grade Level: 9-12 Prerequisite: none
Duration: 1 Semester Credit: .5

Everyone loves a great story! Animation makes it even better. This class will be conducted in a studio-like environment taking the entire semester to create a finished animated short. You will be required to schedule, plan, and execute a production resulting in a final completed animation. The basic principles must be utilized and applied in order to succeed. Collaboration will be encouraged though not required.

Fine Arts

ADV Art: Art 280 Grade Level: 10-12 Prerequisite: 1 of year high school art
Duration: 1 semester Credit: .5 (Possible college credit with Spring AP Portfolio)

This course introduces basic perceptual painting techniques and tools as well as the understanding of the language of painting in historical and contemporary contexts. It draws on the rich cultural diversity that exists in the field as a vehicle for developing personal self-expression, and develops critical skills for composing and synchronizing both tonal and color temperature scales to achieve a successful painting.

AP Studio Art Drawing: Grade Level: 10-12 Prerequisite: 1 of year high school art
Duration: 1 semester Credit: .5 (Possible college credit with Spring AP Portfolio)

This course has been developed to accommodate students who have expressed an interest in completing an AP Drawing Portfolio. Through direct teacher and outside-artist instruction, emphasis will be placed on the production of a portfolio of quality artwork pieces. Students will address all three sections of the portfolio: Breadth, Concentration, and Quality. Students will be challenged to develop their own personal work and not copy directly from photos that are not their own. Students will develop mastery of concept, composition, and execution of their personal ideas and themes. Students will also understand that art making is an ongoing process that uses informed and critical decision making to determine the outcome to a problem. Students will be expected to develop a comprehensive portfolio that addresses each of these issues in a personal way. Formulaic solutions to problems will be discouraged. NOTE: AP Art meets 4 days each week for 60-minute periods, whether AP or pre-AP. Each student is expected to prepare a portfolio, and all 9-12 graders are encouraged to submit one for AP credit. AP students should expect to spend 4-8 hours each week working outside of class.

Art Express: Grade Level: 7/8 Prerequisite: none
Duration: 1 semester. Credit: .5

Students will gain the confidence and foundation to express their unique vision using the 14 Elements and Principles of Design. They will explore their ideas and refine their skills to be both more accurate and more expressive through alternating 2-dimensional and 3-dimensional practice.

Art Meets the World

Grade Level: 7/8

Prerequisite: none

Duration: 1 semester.

Credit: .5

This course is for those that have ever looked at a piece of art and wondered, “What’s the big deal?” In this art class you will learn how different art styles connect with what you read in your history books. We will chew over art, sculpture and architecture from Cave Art to Cartoons. Students will create art corresponding with each time period to better understand why these artists are such a “big deal”. By the end of the year you and your team of classmate will dream up and create a masterpiece of your own.

Band:

Grade Level: 7-12

Prerequisite: 2 years band or

Duration: 1 semester

Credit: .5

acceptance from music director

Artistically challenging and technically difficult musical selections provide students with the opportunity to further advance their musical abilities. Concerts, mass bands and musical reviews offer students the opportunity to experience the joys and challenges of becoming more accomplished musicians. This group performs jazz and blues repertoire as well as concert band selections. The group usually makes an overnight/multi-day trip to compete in one or more music festivals. The students are expected to play to the best of their ability in the gift that God has given them.

Functional Ceramics

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

Emphasis in this class is placed on implementing the elements and principles of design to develop a personal aesthetic. Students will explore a variety of techniques in both 2 and 3 dimensional media with a focus on printmaking and ceramics.

Design with Impact-Professional Art

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

Building on their foundation of Art's 14 Elements and Principles, students will learn to Design with Impact. Emphasis will be placed on art as a profession with the intent to make a public installation of student work. In this course we will investigate more deeply; color theory, visual organization, style and content using several art practices and materials. We will explore the art and craft of both past and contemporary artists while alternating between 2 dimensional and 3 dimensional works.

Interior Design

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

For one semester, students will study home design both from a consumer and designer point-of-view. We will be looking at the principles of design, the effects of color, and completing projects where we get to design and create different spaces. Learn what it takes to create your dream home!

Lights, Camera, Improv!

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

Do you like to wing it? Do you love to act? This class teaches acting skills through games, practice, and assessments. Skills taught include improv, character creation, stage presence, memorization, and monologue. Students are graded on participation, effort, and monologue/duo assessments.

Textile Art

Grade Level: 9-12

Prerequisite: none

Duration: 1 semester

Credit: .5

Emphasis in this class is placed on understanding the elements and principles of design as a basis for composition. Students will explore techniques used historically in both 2 and 3 dimensional media. Focus will be on painting and mixed media including fiber arts and textiles.

Vocal Ensemble

Grade Level: 7-12

Prerequisite: none

Duration: 1 semester

Credit: .5

A variety of pieces ranging from classical to contemporary will be learned and performed, with a focus on breathing, vocal technique, intonation and stage presence. They will have several performance opportunities.

Music Theatre Grade Level: 7-12 Prerequisite: none
Duration: 1 semester Credit: .5

The musical theatre course explores the Broadway style of music through theatre and vocals. Students are involved in the planning and developing of that year's musical and learn the backstage and background work as well as stage work. The course activities include costume design, stage design, technical design, sound and lighting, choreography, playwriting, improvisation, acting and vocal music. The class will produce a musical each spring. Other students from outside the class will be involved with the musical, but music theatre students will be given first consideration for cast and crew characters in the musical.

Print Making Grade Level: 9-12 Prerequisite: none
Duration: 1 semester Credit: .5

This will be a beginning print making class addressing a variety of methods for reproducing images in the style of the Old World. Student will produce pieces using linoleum block, mono-print technique, vegetable stamps, and more. Students will explore presentation techniques of their work and develop their voice as an artist.

Wood Shop Grade Level: 7-12 Prerequisite: none
Duration: 1 semester Credit: .5

Woodworking skills are not just useful for woodworking projects, they teach hand-eye coordination, patience, attention to detail, stick-to-it-ness, how to translate design concept to physical object, a strong work ethic, and creative problem-solving skills. In this class students will learn to use a variety of hand tools safely, and practice their use, Students will also learn basic construction techniques.

Woodshop II Grade Level: 7-12 Prerequisite: Woodshop
Duration: one year Credit: 1

An extension to the introduction on woodworking, students will be given an expanded range of woodworking projects to better refine woodworking principles and techniques. Students will need to design, construct, and complete their project in a timely manner, which will be determined by the degree in difficulty of the project of design. Greater varieties of joint construction will be introduced; a greater exposure to metal work, and hardware, with some electrical wiring exposure for lighting.

Languages

Spanish I Grade Level: 9 – 12 Prerequisite: none
Duration: 1 year Credit: 1

This is an introductory course to the Spanish language and culture for non-native speakers. With comprehensible input and using the TPRS* and TPR** methods, students will acquire Spanish through focus on speaking Spanish for the majority of our time together, listening and reading. As a result, the skills of speaking and writing will be developed. Students will also be encouraged to make connections between foreign language acquisition and relationship with God and others. Native speakers are assessed and can consider a more advanced focus on reading and writing.

* TPRS = Teaching Proficiency through Reading and Storytelling

** TPR = Total Physical Response

Spanish II Grade Level: 9 – 12 Prerequisite: Spanish 1 w/ C- or higher
Duration: 1 year Credit: 1

This course continues building on the acquisition of Spanish language and culture for non-native speakers. With comprehensible input and using the TPRS* and TPR** methods, students will acquire Spanish through focus on speaking Spanish for the majority of our time together, listening and reading. Reading consists of short stories and four (4) novels. As a result, the skills of speaking and writing will be developed. Students will also be encouraged to make connections between foreign language acquisition and relationship with God and others. Native speakers are assessed and can consider a more advanced focus on reading and writing.

* TPRS = Teaching Proficiency through Reading and Storytelling

** TPR = Total Physical Response

Speech & Logic Grade Level: 7/8

Prerequisite: none

Duration: 1 year Credit: 1

This is one of 2 electives required to be taken some time in Junior High. This course seeks to improve student skills in thinking and speaking clearly, creatively, and confidently. The goal of the course is to strengthen students in Speech-the art of verbal communication, and Logic-the art of thinking. In structuring this class, it is assumed that in the case of both Speech and Logic what students need most is not instruction in facts about speech and logic, but guided practice in actually speaking and thinking. Students will receive instruction and practice in creative and critical thinking including chess, codes and ciphers, scientific reasoning, brainstorming, problem solving, recognizing faulty reasoning, etc. Students will develop and deliver a number of speeches over the course of the year in informative, persuasive, humorous and debate settings utilizing outline, full-text, memorized, and off-the-cuff presentations.

Other Electives

ADV Bus Finance-Bus 120A

Grade Level: 11-12 Prerequisite: Cum GPA 3.0

Duration: 1 semester.

Credit: .5 High School/3 College Cr.(Add. Fee \$195)

Horizon is pleased to offer college credit courses as a partner of Warner Pacific University. Warner's dual enrollment program offers the benefit of earning college credits while still in high school. Warner Pacific is offering a Business Finance course introducing concepts of productivity, the business cycle, market functioning, and achievement of maximum well-being from the marginal social benefits and cost perspectives. As well as an overview of the business world as it permeates all aspects of our lives as part of the course. The Christian perspective and responsibility toward others in the business world is discussed throughout the course. All courses must be approved by the program director.

ADV Bus Marketing-MRKT 242

Grade Level: 10-12 Prerequisite: Cum GPA 3.0

Duration: 1 semester

Credit: .5 High School/3 College Cr. (Add. Fee \$195)

Horizon is pleased to offer college credit courses as a partner of Warner Pacific University. Learn how companies get the word out about their products. Explore the psychology and practical applications of effective marketing with WPU's dual enrollment program. The course will also consider the responsibilities of Christian marketers in this aspect of the business world. Warner's dual enrollment program offers the benefit of earning college credits while still in high school.

Back to the Future:

Grade Level: 7-12

Prerequisite: None

Duration: 1 semester

Credit: .5

Wash clothes, talk on the phone, eat food, these things have been done throughout history into modern-day times. Students will evaluate common daily activities through the lens of history intending to develop an appreciation for rather than dependence on modern luxuries available to them. This course is intended to give students an experiential learning opportunity and will be a mixture of lecture, hands-on activities, and periodic worksheets and quizzes.

Bus Admin Transfer Courses-CGCC

Grade Level: 11-12

Prerequisite: Basic Math, 11th Gd English

Duration: 1 semester.

Credit: .5 High School (8 college cr.-Additional Fee: \$101/college credit)

This course is only for students with a high degree of certainty about their decision to earn a bachelor's degree with a major in business from an Oregon public university. CGCC's Business Administration program has scheduled an Expanded Options track for students interested in pursuing an Associate of Science Oregon Transfer (ASOT)-Business Administration degree. Students will take a minimum of two business-specific courses each term up to 20 college Quarter credits. These courses are offered to the Horizon campus via live video feed through Moodle and Zoom.

Build and Battle:

Grade Level: 7-12

Prerequisite: none

Duration: 1 semester

Credit: .5

Design and build cars, bridges, trebuchets, and musical instruments. Then rise to the challenge of a dual with your classmates. This semester-long course will study the elements of design with an eye on physics. Whose design can move the fastest, the farthest, hold the most weight or make the best sound? The battle will tell.

Environmental Science: Grade Level: 9-12 Prerequisite: None
Duration: 1 semester Credit: .5

How do you fit on this planet? This course is designed to look at key aspects of our environment and how living organisms interact within the environment. The class will be studying ecosystems, climate, energy resources, and other related topics.

Forensics Science (CSI): Grade Level: 9-12 Prerequisite: None
Duration: 1 semester Credit: .5

This class combines puzzle-solving and science as students learn the art of crime scene investigation. Over the course of the semester students will learn basic human anatomy and psychology as well as standard practice for fingerprinting, securing a crime scene, and collecting evidence through the solving of staged crimes.

Grand Canyon University Dual Enrollment Courses:

Grade Level: 11-12 Prerequisite: Cumulative 3.0 GPA
Duration: 1 semester Credit: .5 High School (8 college cr.- Additional Fee: \$295.00/class, some exceptions)

Horizon is pleased to offer college credit courses, online, as a member of The Grand Canyon Christian Schools Consortium. GCU's dual enrollment program offers the benefit of earning college credits while still in high school. GCU offers a variety of classes to help high school students earn the credits they desire. For a full list of courses and descriptions please go to: <https://www.gcu.edu/academics/dual-enrollment.php>, click the tab "view courses" under "Online Dual Enrollment Courses"

All courses must be approved by the program director. Each course is 4 credits and you must take 2 courses to fill the semester.

Independent Study Grade Level: 10-12 Prerequisite: Submission of
Duration: 1 semester Credit: .5 (not to exceed 1.5 credits total) approved syllabus

This is a student-designed and driven course. Students must turn in a **syllabus** that denotes resources that will be employed, learning objectives outlined, assessments, and a culmination project that is both appropriate to the topic and demonstrates the full scope of the targeted learning objectives **before the course will be approved**. Students will be graded on their progress as demonstrated in their regularly scheduled meetings with the course mentor as well as their assessments and culminating project.

Internship Grade Level: 11-12 only Prerequisite: Instructor approval
Duration: 1 semester Credit: .5 (not to exceed 2 credits total)

Here's an opportunity for junior and senior class students to step out of the classroom and explore their own creative internship interest which satisfies three goals; (1) operating an internship under the accountability of a mentor, (2) defining (logging) the hours of participation in agreement with substitution for school class elective credit and (3) presenting an interview and/or a portfolio documenting the purpose and the daily activities associated with this program including both the positive and negatives gained through this experience. The student must line-up their own internship, interview with and become accountable to that mentor, construct a resume, and complete the internship packet before this program begins. In order to gain approval, student's must present to the coordinator all information forms, persons of contact and e-mail information, liability forms signed by both parent and student, within 2 weeks after the semester begins.

Introduction to Psychology: Grade Level: 9-12 Prerequisite: None
Duration: 1 semester Credit: .5

This course will focus on the biology of the brain, its areas, the way it processes tasks, and its other purposes. The course will delve into popular theories of psychology searching for truth in light of the Gospel. Substantial time will be spent investigating themes such as Nature vs. Nurture as well as looking at behavior, thought, and emotion.

Landscape Architecture: Grade Level: 7-12 Prerequisite: None
Duration: 1 semester Credit: .5

You will need your own gloves, colored pencils, tape measure, and creativity for this class. Learn the elements of landscape design and basic horticulture from experts in the field and your own hands-on experiences in the class. The course will culminate in the design a 15' x 20' back yard for a "customer" by the end of the course.

Money Management: Grade Level: 10-12 Prerequisite: Basic math
Duration: 1 Semester (1st Sem. ONLY) Credit: .5

This is a required high school elective. The course gives students a fundamental analytical approach in preparation for successful financial management in the disciplines of this world. This course introduces the foundational principles necessary for both individual and corporate success as financial stewards. Topics include saving and investing; credit and debt; fiscal responsibility and money management; insurance, risk management and careers; and finally, giving. Assignments include some projects completed outside of the classroom.

Mythology: Grade Level: 7-12 Prerequisite: none
Duration: 1 semester Credit: .5

Western literature draws heavily from two sources in particular. First, the Christian Bible. Second, Greco-Roman culture and literature, including its mythology. This course will introduce students to mythology and to the main stories of Greco-Roman, Norse mythology, and other world mythologies. Students will be prepared to recognize mythological influences in other Western literary works as well as in culture. Finally, students will do some cultural analysis of their own, examining America's own mythological axioms and etiology.

The Psychology of Human Development: Grade Level: 9-12 Prerequisite: none
Duration: 1 semester Credit: .5

For centuries scientists, philosophers, and psychologists have studied the development of the human mind. Our Western society has been greatly influenced by the outcomes of these studies. This course will discuss and challenge some of the common understandings about human development that have arisen from researchers such as Piaget, Skinner, Bruner, Pierce, and Vygotsky. The filtering question will be "What should a Christian do with these theories?"

Teacher's Assistant: Grade Level: 7-12 Prerequisite: Instructor
Duration: 1 semester Credit: .5 interview/approval

Limited positions are available by interview only. Students qualifying will be placed with an instructor, elementary as well as secondary, in order to assist with daily duties inherent in the teaching profession: grading papers, filing, preparing bulletin boards, etc. Signing up for this elective does not guarantee placement in it, so be sure to choose a strong second choice during the elective slot you desire to TA.

Things That Fly Grade Level: 7-12 Prerequisite: None
Duration: 1 semester Credit: .5

What goes up must come down, right? Not if it can fly. This class will be highly interactive. Students will explore the basic principles of flight through designing, building, and experimenting with various methods of flight. Students will build gliders, helicopters, hot air balloons, and more in the hope that what they send up doesn't come down but flies.

Underwater Drones: An Engineering and Entrepreneurship Elective Grade Level: 7-12 Prerequisite: none
Duration: 1 semester. Credit: .5

Calling all scientists, engineers, and business-minded students! In this course students will create a mock company that specializes in solutions to real-world marine technology problems. "From deep water oil drilling to the exploration of shipwrecks and installation of instruments on the sea floor, individuals who possess 'entrepreneurial skills' are in high demand and stand out in the crowd of potential job candidates. They include the ability to understand the breadth of business operations (from finances to research and development to media outreach), work as an integral part of a team, and apply technical knowledge and skills in new and innovative ways." (marinetech.org)

Students taking this course will specialize in one area as part of a team of individuals to form their own mock Underwater ROV business. Our goal is to compete at the regional level of the annual MATE ROV competition in Newport, OR in April. Members of the team will build a Remotely Operated Underwater Vehicle that they will use in this competition.

Yearbook Grade Level: 9-12 (8th with instructor's approval) Prerequisite: none
Duration: 1 semester Credit: .5

This course will be offered as a one semester course. Students will develop photography skills, learn about page design and layout, and improve their investigative and writing skills as well as cover second semester events through photography, interview, and writing of stories all toward production of the Horizon yearbook in mind.

Physical Education

P E

Duration: 1 year

Grade Level: 7-8

Credit: 1

Prerequisite: none

This course introduces students to team sports, competition, and Christian sportsmanship. Students receive instruction in the rules, history, and strategies of various sports, such as: volleyball, basketball, football, including various international games. Emphasis is on developing skills and fundamentals of team play. Students are encouraged to develop a positive attitude toward their individual fitness and God-given potential, and are provided with an opportunity to learn life-long skills, enabling them to participate in sports and build a foundation for a healthy self-image.

Sport-specific Training

Duration: 1 semester

Grade Level: 9-12

Credit: .5

Prerequisite: none

Strength & Agility Training

Duration: 1 semester

Grade Level: 9-12

Credit: .5

Prerequisite: none

This course introduces students to the practice of training their bodies for strength and agility. Emphasis is on developing skills and fundamentals, as well as integrating a personal plan for regular physical exercise. Students will learn about various fuels and health habits that work best to develop their full potential for both body and mind. Students are encouraged to develop a positive attitude toward their individual fitness and God-given potential, and are provided with an opportunity to learn life-long skills, enabling them to participate in sports and build a foundation for a healthy self-image.

Homeschool Courses

Anatomy

Duration: 1 year.

Grade Level: 4-6, 7/8, 9-12

Credit: (Up to 1 cr. with full-year curriculum-Additional fee: ???)

Prerequisite: none

In this class students begin by learning about homeostasis and the importance of balance in the human body, moving on to cover the major systems of the body. As we study together we will do many labs giving us a hands-on learning experience allowing us to understand how our body works in a very dynamic way. Lessons with titles like “Dem bones, “What Happened to My Sandwich?”, “Don’t Miss a Beat”, and “What Nerve!” Students will be laughing, learning, and living science like they have never done before. Our desire is to cultivate a life-long love of learning into each student. This course will augment any Biology course the student is taking or can stand alone as a full year of science credit through the full-year curriculum option.

Language Arts

Duration: 1 year.

Grade Level: 4-6, 7/8, 9-12

Credit: (Up to 1 cr. with full-year curriculum-Additional fee: ???)

Prerequisite: none

Latin 1

Duration: 1 year.

Grade Level: 4-12

Credit: (Up to 1 cr. High School only)

Prerequisite: none

Marine Biology

Duration: 1 year.

Grade Level: 4-6, 7/8, 9-12

Credit: (Up to 1 cr. with full-year curriculum-Additional fee: ???)

Prerequisite: none

Student will have an amazing opportunity to study the field of Marine Biology. The course will cover many aspects of science including zoology, ecology, and even a little physics as they study through the unique marine biome. Through interactive labs, students will explore plate tectonics, bioluminescence, toroidal vortices, desalination, density, tides, waves and many other amazing marine concepts allowing students to learn by doing. The animal kingdom will be inspected through the dissections of clams, crayfish, and even sharks. This course augments any

Biology course a student may be taking or can stand alone as a full year of science through the full-year curriculum option.

Microbiology Grade Level: 4-6, 7/8, 9-12 Prerequisite: none
Duration: 1 year. Credit: (Up to 1 cr. with full-year curriculum-Additional fee: ???)

Explore the world of the microscope and more! In this class students will make their own simple microscopes and learn how to use a real microscope to explore the microscopic life in pond water. They will learn about the cell, its organelles, and the processes of the cell. Students will make their very own slides and see how a microtome works! Students will grow bacteria in petri dishes to learn about germs and how they cause disease. The course also examines careers in science to discover the job of an epidemiologist. Students will become disease detectives solving real world problems with the help of the Center of Disease Control. This course augments any Biology course a student may be taking or can stand alone as a full year of science through the full-year curriculum option.

Spanish Grade Level: K-3, 4-6, 7/8, 9-12 Prerequisite: none
Duration: 1 year. Credit: (Up to 1 cr. High School only)

This is an introductory course to the Spanish language and culture for non-native speakers. With comprehensible input and using the TPRS* and TPR** methods, students will acquire Spanish through focus on speaking Spanish for the majority of our time together, listening and reading. As a result, the skills of speaking and writing will be developed. Students will also be encouraged to make connections between foreign language acquisition and relationship with God and others. Native speakers are assessed and can consider a more advanced focus on reading and writing.

* TPRS = Teaching Proficiency through Reading and Storytelling

** TPR = Total Physical Response

'18-19 Automotive upkeep & Repair, Can I ask that?, Yearbook, Handball, plein aire, basics of construction, ukulele, unpacking pop culture, robotics, swimming, first aid/cpr, outdoor ed, tech bootcamp, Work Gp/Srvc Gp,

'19-20 Tennis, ROV, Robotics, Electronic music, Emergency preparedness, Steam punk art, Fibonacci Art,

Appendix

Graduation Requirements

- Students must earn a minimum of 26 units in grades nine through twelve. The Horizon Honors Program will require 28 credits on the AP track.
- A credit is defined as the successful completion of a course or activity that fulfills 140 hours of class time. Credit Recovery options will be approved by Horizon in the event of failure of a course. Costs incurred will be the responsibility of the family.
- During their senior year at Horizon, students must be enrolled in at least 4 of 7 classes, inclusive of Bible, and meet requirements to receive a Horizon Christian School diploma.
- In order to graduate, credits must be earned according to the list below or follow an official, modified plan approved by Horizon faculty. Additionally, graduation requirements will be honored only if taken in grades 9-12.

<u>Subject</u>	<u>Credits</u>	<u>Notes</u>
English	4	
Social Studies	4	Honors Program includes AP/Adv Gov, AP/Adv US Hist
Math	3	Honors Program adds 1 Credit
Science	3	Honors Program adds 1 Credit (AP/Adv Chem or AP Physics)
Bible	4	Christian Faith Fundamentals + 3 Credits
Language	2	
Computer	.5	
Personal Finance	.5	
Physical Ed	1	3 sport seasons satisfies PE requirement
Electives	4	Internship and TA not to exceed 2 credits each
Total	26	Honors Program = 28 on the AP/Adv track w/4 yrs Bible & GPA 3.0 or better

- **Required electives for JH:** Speech and Logic and PE; **Required electives for HS:** Computer Applications – .5 cr., PE – 1 cr. (may be satisfied by 3 seasons of sports), Foreign Language – 2 cr., Money Management – .5 cr.

Secondary Course Rotation _____

Bible Semester A	Bible Semester B	Bible Semester B
Christian Faith Fundamentals		
ADV Ethics: PH 202	ADV Philosophy of Religion: PH 204	Apologetic
Bible Imperatives	BWGI	Intro to Theology
Life of Christ	The Early Church	Spiritual Disciplines

Core Course Fall Even Year	Core Course Spring Even Year
All Levels Math (through alternating classes)	
Conceptual Chemistry 11/12 ADV Chemistry: CH 121, 122, 123	
Biology 9/10	
Earth Science 7/8	
English Language & Composition 11/12 ADV English: ENG 121 or AP Lang	
Find Your Voice: Eng 9/10	
Elements of Fiction: Eng 7/8	
US Gov ADV PS 201/202 or AP Gov	
World Studies 9/10	
US History 7/8	

Core Course Fall Odd Year	Core Course Spring Odd Year
All Levels Math (through alternate classes)	
Conceptual Physics 11/12 AP Physics	
Physical Science 9/10	
Life Science 7/8	
English Literature & Composition 11/12 ADV English: ENG or AP Lit	
What's in a Story: Eng 9/10	
Tell Your Story: Eng 7/8	
US History ADV HST 201/202/203 or AP US History	
World Studies 9/10	
US History 7/8	

Courses rotate on an even and odd year schedule

Secondary Math Course Progression**

Horizon believes taking math courses matter. Research has shown that the more math classes a student takes the higher their earnings will be 10-years post-high school (Rose & Betts, 2004). Math teaches students to reason and utilize logical thinking benefitting them no matter the career they should pursue. It is the goal of Horizon's math program to guide students in gaining conceptual understanding of math ideas and concepts before they move to the next level math course. Horizon's math program is intended to meet students where they are and take them where they need to be on their educational journey.

To that end Horizon, will make every effort to identify and fill any math holes in a student's learning as early as possible in a student's math career. Teachers will administer regular assessments, beginning, middle, and end of the year, designed to identify large, medium, and small holes in understanding and application of math concepts. Large holes will trigger an IMP to be developed for that student allowing for a modified diploma if necessary. Medium holes centering around the concepts of modeling, proportions, order of operations, algebraic thinking, and translation of words to equations and back again will be addressed through classroom differentiation, emphasis of concepts over content, and radical visual instruction in conjunction with possible designated remediation time outside of class. Small holes will be addressed through occasional remediation sessions outside of regular class and moderate differentiation of instruction in class.

Below are three possible progressions a student might follow during their time at Horizon. These may be adjusted or modified based on the needs of a particular student. Relaxing or accelerating a student's math progression may be initiated by the classroom teacher, student, or parent/guardian on the basis of classroom performance, standardized tests, or other evidence.

	Relaxed Track	Standard Track		Accelerated Track
7 th Gd	Algebra ½* or General Math*	Algebra ½ or General Math		Algebra 1
8 th Gd	Algebra ½* or General Math*	Algebra 1		Geometry
9 th Gd	Algebra 1	Geometry		Algebra 2
10 th Gd	Geometry	Algebra 2		Pre Calculus/Trigonometry
11 th	Statistics*	<u>Liberal Arts Focus</u> Statistics*	<u>STEM Focus</u> Pre Calculus	Calculus 1
12 th	Math in Society*	<u>Liberal Arts Focus</u> Math in Society*	<u>STEM Focus</u> Calculus 1	Calculus 2

*These courses rotate on an even/odd year basis and are not sequential in nature. All 11th/12th grade math classes carry the option of earning college credit.

**A student is not locked into any one track. Students may move between tracks should the need arise, and if it's in the best interest of student success.

Curriculums

To accomplish: Modeling, Proportions, Order of Operations, Algebraic thinking

General Math: Jo Boaler, *Mindsets Math 7 & 8* plus *Zearn*

Algebra ½: *Eureka Math* plus *Zearn*

Algebra 1: *Prentice-Hall (Savvas) Algebra 1* text *Zearn & Mindsets Math 8* supplement

To accomplish: Logical thinking, Reading Comprehension, Reasoning

Geometry: *Savvas Geometry* text

Algebra 2: *CPM Algebra 2* text & resources plus *Open Stax Algebra 2* text supplement

To accomplish: Application of prior knowledge, Reasoning, Symbolic vocabulary, Math Translation

Statistics:

PBL Math in Society:

Pre calculus/Trigonometry:

Calculus 1:

Calculus 2:

College & Scholarship Advising Process

Can my child earn college credit while in High School at Horizon?

Horizon offers many dual-enrollment and concurrent opportunities at a substantially discounted rate in a variety of styles.

-Horizon tuition pays, in part, for the College Now experience. We will pay for either the AP test in the Junior/Senior courses we offer (with instructor permission), or we will pay for the first in a series of concurrent courses a student is taking. It's your choice! This is a fee not covered by other area schools, families pay for the AP exams and concurrent courses themselves, elsewhere.

-Horizon offers core classes through our Bible program and other core departments that transfer readily to many colleges for pennies on the dollar. We have partnered with Columbia Gorge Community College to offer these concurrent courses taught on our campus by our qualified instructors.

-Horizon currently offers GCU, WPU, and CGCC dual enrollment credits which transfer easily to many colleges around the nation.

-Horizon is currently in the process of expanding our online dual enrollment program to include choices from other colleges, such as Colorado Christian University.

If a Horizon student took full advantage of these multiple opportunities, they would easily have enough credits to satisfy their Freshman year of college upon graduating from Horizon. Several of our Horizon students have left with nearly enough credits to satisfy well into their Sophomore year. Taking into account tuition for Horizon, the cost of those credits are a fraction of what College tuition is post-high school, approximately half what the national average per credit is. We have many students who have done this and graduated in less than 4 years saving much on their education.

What help should I expect from navigating the FAFSA and Scholarship process for my child?

-Horizon offers a "FAFSA Night" each year to help parents and students navigate the somewhat confusing FAFSA process. The FAFSA Night is generally held in the Fall and announced via Connections, Gradelink email and morning student announcements. Time is a valuable commodity, so we make this a hands-on event, opening up the computer lab and walking step by step through the process. We can also assist with the registration and application with the national scholarship sites. Families can leave this night with the FAFSA completed and behind them.

Is there time for students to work on post-high school plans built into Horizon's school day?

-Horizon has designated time to work on scholarships or any work that is most pressing to them, every Friday during student Work Groups. All you have to do is sign-up.

-Horizon students have access to our Computer Lab, Teachers and Advisors who will enable them to complete necessary college-bound Tasks.

-Horizons' Staff are ready and willing to personally proofread essays and collage applications to increase our students' chance for success. Our students may ask any staff member to assist them in this process.

-Horizon designates time and resources for students to discover their gifts and talents by completing the YouScience Careers Aptitude test. This is usually done in Second Semester Homeroom time of their Junior year.

-Horizon feels that it is vital for healthy development of our students that time be made available and that students are responsible for initiating the post-high school process. Every Chapel Friday the Senior Homeroom Teacher calls for an update from each student as to their progress in their process and is asked to highlight areas in which they would like assistance. We believe that it is up to each student to take advantage of each of these resources available to them.

-Horizon students begin the post-high school process well before a student's Senior year. Our students are encouraged at the beginning of their Freshman year to complete an ELF, Extracurricular Learning Form. Students are given time in their Homeroom class, recording time spent, volunteering in school, clubs and our communities. They record hours spent participating in sports programs and record awards earned in these endeavors. Students are encouraged to regularly

update this form each year to make the process less daunting for their Senior year. Teachers help students format this information into a standard form that makes sense to prospective employers, colleges, or scholarship granting agencies.

How do students and families find out about scholarships and post-high school opportunities while at Horizon?

-Each student in the spring of their Junior year chooses an individual advisor from among select Horizon staff. These individuals are familiar with the college and scholarship processes and will work to guide each student through their unique situations. The advisor to student ratio is no greater than 1 to 6 affording a very individualized experience for the student and their family. Additionally, each Junior is expected to make an "Appointment with the Principal" in June. This is a guided, purposeful time when students and parents have 45 minutes with Horizon's Secondary Principal to ask questions regarding the post-high school process for their student and look together at what would benefit them most in their Senior year schedule to better help meet their goals.

-Horizon knows it is imperative that families are well informed of opportunities and ask that you keep emails and phone numbers up to date in our Gradelink Parent Portal.

-Horizon keeps an up to date College Bulletin Board, located in the Secondary Hall, with information pertaining to colleges, scholarships and occasionally employment opportunities.

Horizon is so small. Are Horizon students able to catch the attention of scholarship committees?

-Horizon students average over \$400,000 in scholarship aid in total which averages to around \$25,000/Senior each year, this does not include Federal funding through FAFSA.

What is the most important thing Horizon does to help launch students into the world upon completing their Senior year?

We are always working on improving ways to assist our students and families in the post-high school process as it can be daunting and is ever-changing. We hope these tools will help you to understand what we are currently doing here at Horizon to prepare your student for the post-high school experience. Most important to this process, we, corporately as Horizon Staff, are in constant prayer for God to direct the lives and provide the resources for each of our Students. We recognize that outside of God's Divine wisdom anything we do is for nothing no matter how great the system is. We trust that God knows and will provide what each Graduate and their family needs to fulfill His plan in each of their lives.

We are looking forward to the opportunity of serving you at Horizon!

Warm Regards-

Faith Kempf, Secondary Principal
Horizon Christian School

Homeschool Program FAQs
