

2009-2010

CURRICULUM

GUIDE



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GRADUATION REQUIREMENTS

GRADUATION YEAR OF STUDENT				
	2010	2011	2012	2013
ENGLISH	4	4	4	4
MATH	3	3	3	3
SCIENCE	2	2	3	3
SOCIAL STUDIES	3	3	4	4
P.E	1	1	1	1
HEALTH	1	1	1	1
FL., ART, PTE	1	1	3	3
ELECTIVES (Includes Bible)	11	11	7	7
TOTALS	26	26	26	26

*FL- Foreign Language

*PTE- Professional Technical Education

ENGLISH LANGUAGE ARTS GRADUATION REQUIREMENTS

The English program consists of full year courses at each grade level.

- Four full years (eight semesters) of English are required for a diploma.
- Students are required to take English 9, 10, 11, and 12 in sequence (one per year).
- A student may not take two required English classes simultaneously without prior approval.

REQUIRED COURSES

English 9
English 10
English 11
English 12

ELECTIVE COURSES

Yearbook
Journalism

English Language Arts

The Oregon Department of Education states the following Common Curriculum Goals for English/Language Arts. At Horizon the curriculum is designed to meet these goals and standards. The goals are: students learn to analyze words, recognize words, and learn to read grade-level text fluently across the subject areas. Students should listen to, read, and understand a wide variety of informational and narrative text across the subject areas at school and on their own, applying comprehension strategies as needed. Students should learn to pre- write, draft, revise, edit, and publish across the subject areas.

Students should learn to communicate supported ideas across the subject areas, using oral, visual, and multimedia forms in ways appropriate to topic, context, audience, and purpose. Students should organize oral, visual, and multimedia presentations in clear sequence, making connections and transitions among ideas and elements; use language appropriate to topic, context, audience, and purpose; and demonstrate control of eye contact, speaking rate, volume, enunciation, inflection, gestures, and other non-verbal techniques. Students should listen critically and evaluate the significance and accuracy of information and ideas presented in oral, visual, and multimedia communications across the subject areas. Students should learn to organize information in clear sequence, making connections and transitions among ideas, sentences, and paragraphs. Students should learn to use precise words and fluent sentence structures that support meaning. Students should demonstrate knowledge of spelling, grammar, punctuation, capitalization, and penmanship across subject areas. Students should write narrative, expository, and persuasive texts, using a variety of written forms- including journals, essays, short stories, poems, research reports, research papers, business and technical writing- to express ideas appropriate to audience and purpose across the subject areas. Students should investigate topics of interest and importance across the subject areas, selecting appropriate media sources, using effective research processes, and demonstrating ethical use of resources and materials. Students should increase word knowledge through systematic vocabulary development; determine the meaning of new words by applying knowledge of word origins, word relationships, and context clues; verify the meaning of new words; and use those new words accurately across the subject areas. Needless to say, the English department has been assigned a major task to complete. Therefore, all students must take four years of English.

English 9

Full Year Grade: 9

Prerequisite: None

Credit: 1.00

Grad. Require.: English/L. A. (Gr. 9)

As part of the four-year English graduation requirement, this freshman level, yearlong class focuses on the following key components: literature, grammar, composition, and reading. In addition, the Passport Learning's Academy of Reading system is available for those ninth grade students that are behind in their reading levels*. Upon identification or request of the parents, students who need to strengthen reading and comprehension skills may enter the Passport Learning's Academy of Reading program. There is a fee for this additional service which requires students to spend additional time outside of the classroom.

English 9 includes the following:

- a. The short story- reading, understanding elements, writing
- b. Nonfiction- memoirs, biographies
- c. Poetry- reading, understanding elements, writing all genres of poetry
- d. Drama- reading, writing
- e. Epic and Myth- understanding the idea of "heroic" character
- f. Genre fiction- Christian literature and fantasy

- h. Review of basic elements of grammar- sentence structure, parts of speech, spelling and vocabulary
- i. Writing focuses on quick writes to prepare for essay exam questions, creative writing, poetry, and fundamental elements of persuasive writing.
- j. Public speaking- will learn the basics of persuasive and informational speeches.

*Passport (a registered and trademarked name) is a computer software based system. Each student is tested by our trained staff and then placed in the appropriate program that targets skills that the student needs to develop. Each student has a program tailor made for their particular needs. Research by the developers of this program claim that reading levels may advance as much as two years in a ten week period of study. Upon identification or request of the parents, students who need to strengthen reading and comprehension skills may enter the Passport Learning's Academy of Reading program. There is a fee for this additional service which requires students to spend additional time outside of the classroom.

English 10

Full Year Grade: 10
Prerequisite: Sophomore Standing
Credit: 1.00
Grad. Require.: English/L. A. (Gr. 10)

This year-long course strengthens student knowledge of various elements of literature as well as grammar and composition skills. Students begin a more in-depth study of essay writing. The class includes the following:

- a. Literary criticism- by historical, artistic, and biographical approach
- b. Oral tradition
- c. Fiction- short story, novels, and novel excerpts
- d. Nonfiction- memoirs, biographies, speeches
- e. Poetry- narrative, ballad, epic
- f. Literary elements- plot, setting, character, development, theme, voice
- g. Literary language- symbolism, diction, figures of speech, etc.
- h. Basic grammar skills continue to be reinforced, as well as spelling and vocabulary.
- i. Writing focuses on quick writes, essay questions, creative writing, and research writing.

By the end of the 10th grade, students should meet or exceed Oregon Grade-Level Standards for English Language Arts. These may be found by visiting the Oregon Department of Education website at www.ode.state.or.us

English 11

Full Year Grade: 11
Prerequisite: Junior Standing
Credit: 1.00
Grad. Require.: English/L.A. (Gr. 11)

This year-long course explores different styles of American literature from the 1600s to the present. Writing and grammar will continue to receive emphasis in this class as will SAT and ACT preparation. The class includes the following:

- a. Early American Period
- b. American Romanticism
- c. The Civil War Era
- d. Regionalism and Realism
- e. Beginnings of the Modern Age
- f. Twenty-First Century

English 12

Full Year Grade: 12

Prerequisite: Senior Standing

Credit: 1.00

Grad. Require.: English/L.A. (Gr. 12)

This year-long course explores British literature from Beowulf to the present. Particular emphasis is placed on Shakespeare, The Victorian Era, and the British Romantics. Students will also write practice essays, college applications, and a job resume'. The year will culminate in the Senior Project which is a comprehensive presentation that includes inquiry, the research process and use of a wide variety of primary and secondary resources. Students are asked to distill information to investigate questions and topics, then gather and synthesize that information in such manner that will allow them to communicate in written, visual, and oral form. The class will also include the following:

- a. Anglo-Saxon period
- b. The Renaissance
- c. Puritanism to the Enlightenment
- d. The Romantics
- e. The Victorian Age
- f. The Modern Age

By the end of the 12th grade, students should be prepared to meet the Proficiency-based Admission Standards System (PASS). PASS is a set of skills and knowledge students need to demonstrate in order to be successful in Oregon's seven public universities. PASS assumes that reading skills are in place prior to admittance to colleges and universities in Oregon, and students can read from a variety of literary genres and periods. PASS also expects students to be able to interpret literary works and to engage in literary criticism. Students should be able to engage in higher order thinking that allows them to analyze the relationship of the humanities to the human/social experience in addition to the above PASS requirement Horizon Christian High School would expect that students could also analyze the humanities and literature from a Christian worldview.

Yearbook

2 Semesters Grade: 9-12

Prerequisite: Consent of Instructor
Credit: .500 per semester
Grad. Require.: Elective

The Yearbook class is responsible for putting together the yearbook. Creative, organized, outgoing and/or disciplined students do well in this class. Students must have a strong work ethic in order to be considered for admittance. Each student is responsible for designing their assigned pages, which develop the theme for the year. Self motivation and discipline is encouraged. Deadlines are essential. Photographers are encouraged to join the class.

Journalism * (Course offering dependent on enrollment)

2 Semesters Grade: 9-12
Prerequisite: None
Credit: .500 per semester
Grad. Require.: Elective

Students looking for a challenge with consistent feedback will enjoy the journalism class. Participating students must be self-motivated and disciplined as they will be required to meet deadlines for “The Hawk” student newspaper. Included in the class will be:

- a. Basic writing skills
- b. Journalism writing skills
- c. Photo-journalism
- d. Sports writing
- e. Art and music writing
- f. Interviewing techniques
- g. Objectivity and bias
- h. Computer layout
- i. Editing and proofreading
- j. Organization
- k. Clarity and Accuracy

SOCIAL STUDIES GRADUATION REQUIREMENTS

Six semesters of Social Studies are required for a diploma and for entry into the Oregon system of higher education.

Eight semesters of Social Studies are required for a Horizon diploma beginning with the class of 2012.

- Freshman, Ancient World History during 9th grade
- Sophomore, Modern World History during 10th grade
- Junior, US History during 11th grade
- Senior, Government and Economics during 12th grade

***Any exception of the above must be approved by the Principal**

REQUIRED COURSES

Ancient World History
Modern World History
US History
Government and Economics

ELECTIVE COURSES

Global Issues
Psychology
Sociology

Ancient World History

Full Year Grade: 9

Prerequisite: None

Credit: 1.00

Grad. Require.: Ancient World History

This is a 9th Grade, year-long class that introduces students to the social science of history. It also introduces students to a method of investigation and understanding about how the world has developed politically, economically, and socially. The course will start from the beginning of time and run up to approximately the Renaissance time period covering about 5,500 years. The class will be taught from a Christian perspective but will be compared to the secular version of history to find discrepancies and ways to deal with so called contradictions with biblical principles. Some of the things that will be covered are the creation story, similar stories from around the world, and the evolutionary viewpoint. The class will look at early man, towns and cities, and empire building, as well as different sections of the world, how those sections interact with one another, and what kind of influence they had upon each other. The main purpose of this class is to help students see the ways in which God works through people and nations for His plan and glory.

Modern World History

Full Year Grade: 10

Prerequisite: Ancient World History

Credit: 1.00

Grad. Require.: Modern World History

This year-long class begins with the European explorations of China and Japan, as well as the American continents, during the Age of Exploration, 1400-1800. Global change as a result of these explorations and the exchange of ideas are the key concepts to be discussed and understood. These concepts include absolute monarchism, Enlightenment, Reformation, and revolution (both political revolutions and the Industrial Revolution). The class continues with the development of democracy in America, nineteenth century progress, the age of imperialism and how imperialism set the stage for conflicts of the twentieth century. Twentieth-century transformations around the globe are covered including but not limited to, WWI, WWII, the Korean War, Vietnam and Desert Storm. The revolutions in Russia and China will also be analyzed, as will the twentieth century response to Communism, Fascism, Imperialism, and Capitalism. The Cold War, the fall of Communism in Russia, the colonial independence movements in Africa, Asia, and South America, and the further development of democracy into the twenty-first century will also be covered. The class concludes with a discussion of twenty-first century global interdependence from a political, economic, and social perspective along with a close up look at terrorism as a threat to developed and developing democracies world-wide.

The two world history classes will also introduce students to the following basic common curriculum goals needed to pass the Oregon Assessment of Knowledge and Skills (OAKS) for social studies.

1. Understand how nations interact with each other, how events and issues in other countries can affect citizens in the United States, and how actions and concepts of democracy and individual rights can affect other peoples and nations.
2. Analyze major political systems of the world.
3. Analyze the concepts of political power, authority, conflict, and conflict management.
4. Understand and use geographic information.
5. Use maps and other geographical tools and technologies to understand history.
6. Compare and analyze physical and human characteristics of places and regions.
7. Understand why places and regions are important to human identity.
8. Analyze the causes of human migration.
9. Understand factors that influence changes in world and regional population development that may or may not lead to conflict.
10. Understand how people and the environment are related.
11. Understand how differing points of view, self-interest, and global distribution of natural resources play a role in conflict over territory.
12. Interpret and reconstruct chronological relationships.
13. Analyze cause and effect relationships including multiple causalities and patterns of change or continuity in history.
15. Identify and analyze diverse perspectives on and historical interpretation of historical issues and events from a Christian worldview.

16. Understand the importance and lasting influence of significant eras, cultures, developments, and ideas in human history from a Christian worldview.

US History

Full Year Grade: 11

Prerequisite: Modern World History

Credit: 1.00

Grad. Require.: US History

This junior level year-long course is an introductory survey of American History. The theme of the class is “The American Promise.” At the beginning of the course, students will write a 3 to 5 page essay on their opinion of “The American Promise.” Students will use this essay to continually evaluate American historical events and people through their own understanding of the American Promise. Students will then rewrite this paper at the end of the course. The content of this class will meet Oregon standards for U. S. History by presenting the following:

1. A review of groups living in the Western Hemisphere prior to European exploration along with an analysis of the impact of early European exploration on Native Americans.
2. An understanding of the American colonial experience and the thoughts and actions of individuals leading to the American Revolution and the establishment of “One Nation Under God With Liberty and Justice For All”.
3. An understanding of how individuals, issues, and events changed, or significantly influenced, the course of U.S. history post-American Revolution through 1900 including, but not limited to, the Constitutional Convention, Westward Expansion, Jacksonian Democracy, the African slave trade, Abolitionists, the Civil War, Reconstruction, and Constitutional changes resulting from the Civil War, and events from 1865-1900.
4. Identifying and understanding the effects of 19th century reform movements on American life in the early 20th century.
5. Understanding the concerns, successes, and limitations of Progressivism.
6. Understanding the interactions of technology and labor in the early 20th century and their subsequent changes in society and culture.
7. Understanding the causes of the Great Depression and how Franklin D. Roosevelt redefined the role of government in response to the economic problems of the time.
8. Understanding the causes of World War II and the events, circumstances, and ideas of the time.
9. Understanding the changes that created the economic boom after World War II.
10. Understanding the economic and social changes created by the “baby boomers”.
11. Analyzing the post-WWII world as to the causes and consequences of cold-war politics.
12. Identifying key elements of America’s response to the Korean War, the Vietnam War, the “Cold War” up to and through the fall of the Berlin Wall and the collapse of the Union of Soviet Socialist Republics.

13. Understanding the “American Promise” in light of social changes between the 1950s and the election of the first African-American president.
14. Analyzing the causes of terrorism in the late 20th and early 21st centuries and discussing America’s response to terrorists both foreign and domestic.
15. Reevaluation of the American Promise through an understanding of Christian worldview and God’s promise to mankind as written in the Bible.

Economics

1 Semester Grade: 11

Prerequisite: US History

Credit: .500

Grad. Require.: Social Studies

This is a semester long introductory course that explores both micro and macroeconomics. The class examines how a market economy functions as a system and compares with other economic systems. Students will be expected to:

1. Understand how specialization and competition influence the allocation of resources
2. Understand how specialization increases efficiency, potential output, and consumer well being, but may have negative side effects.
3. Understand how supply and demand respond predictably to changes in economic circumstances.
4. Understand how trade-offs and opportunity costs can be identified
5. Understand how price is an incentive for both buyers and producers/sellers in the marketplace.
6. Understand how to compare and contrast the allocation of goods and services in market and command economies.
7. Understand how people make decisions by analyzing economic conditions and changes
8. Understand how consumer demand and market price directly impact one another
9. Understand how competition among sellers leads to lower prices and impacts production
10. Understand how competition among buyers increases prices and allocates goods and services only to those that can afford them
11. Understand how to evaluate different economic systems, comparing advantages and disadvantages of each.
12. Analyze how the government can affect the national economy.
13. Analyze how the government can affect international trade.
14. Understand how the government responds to problems in the economy with fiscal and/or monetary policies.
15. Know the purposes and functions of major international economic organizations.
16. Understand how savings and investments support economic development
17. Analyze how money functions in the banking system.
18. Understand the potential risks and returns of various investment opportunities, including entrepreneurship, in a market economy.

19. Evaluate the risks and benefits to the use of credit.
20. Understand how a Christian worldview looks at economics and economic systems.

Government

1 Semester Grade: 11
Prerequisite: US History
Credit: .500
Grad. Require.: Social Studies

This is a semester course that encompasses the foundations of our government, the individual branches of federal and state government, constitutional freedom and how citizens can participate in their government. After completing this class, students should:

1. Understand the philosophy and principles upon which the government of the United States is based.
2. Understand the Constitution of the United States as a means of resolving conflicts between state and federal law.
3. Understand the concept of judicial review.
4. Understand the relationships between local, state, and federal government.
5. Understand how the branches of government have powers and limitations.
6. Understand the process by which laws are developed at the federal level and state level.
7. Understand the powers and limits to power of the Presidency.
8. Understand the rights of individuals and those laws and agencies that protect those rights.
9. Understand the responsibilities of U.S. citizens and what an individual can do to meet those responsibilities
10. Understand how government is influenced and changed by support and dissent of individuals, groups, and international organizations.
11. Understand how nations interact with each other, how events and issues in other countries can affect citizens in the United States, and how actions and concepts of democracy and individual rights of the United States can affect other peoples and nations.
12. Know how to analyze major political systems of the world and be able to assess political power that is legitimate and illegitimate when viewed from a democratic point of view.
13. Know how the concepts of political power, authority, conflict, and conflict resolution are all viewed from a Christian worldview.

Global Issues, Fall Sem, Spring Sem * (Course offering dependent on enrollment)

1 Semester each Grade: 11
Prerequisite: Requirements Met
Credit: .500
Grad. Require.: Social Studies

This class is a semester class that looks at current events and issues as they are developing in the present day. The class also includes a discussion and understanding of key cultural, geographical, political, historical, and economic concepts that may explain the many conflicts that exist in today's globally interdependent world. Students will also learn to analyze current issues from a Christian "worldview" and how alternative "worldviews" differ and lead to conflict. Students will learn about the key social structures that exist in any culture, especially the religious groups that exist within cultural and geographic regions. Students will discuss world issues weekly and are expected to keep current with breaking news as it is released through the various media outlets. The students are also expected to read the news and recognize media bias where it exists. At the conclusion of this class, students should be able to demonstrate analytical and critical thought in discussing potential resolution to "hot" issues currently being addressed by the world community and in the United Nations. Social science analysis goals are addressed in the following PASS criteria:

1. Define and explain a complex event, issue, problem, or phenomenon (historical or contemporary) of significance to society.
2. Analyze, interpret, and evaluate researched information, statistics, and other data, presenting differing points of view, noting patterns, limitations, and biases.
3. Analyze short and long-term causes and effects of events, issues, and phenomena at various levels, from local to international.
4. Reach reasoned conclusions, acknowledging alternative interpretations and using supporting data and defensible criteria.

In addition to the PASS criteria, students will be expected to demonstrate higher order thinking using a Christian worldview as a means of analyzing and explaining historical and/or contemporary world events and global issues. Students should be able to understand the importance and lasting influence of significant eras, cultures, developments, and ideas in human history. Key to any interpretation of global issues from a Christian worldview would be the birth of Jesus Christ. Students will be expected to discuss their understanding of the relevance of Christ in today's world.

Psychology * (Course offering dependent on enrollment)

1 Semester Grade: 11

Prerequisite: Requirements Met

Credit: .500

Grad. Require.: Social Studies

This semester course studies psychology as defined as the systematic and scientific study of human behavior and mental process. In addition to the major schools of psychology (biological, cognitive, behavioral, psychodynamic, and cross-cultural), the class also includes the examination of human behavior and mental processes from a Christian worldview. People's sin nature and need for redemption are discussed in light of current psychological theory. Christian counseling and therapy are presented as the preferred method for therapy. Topics presented are:

1. History of Psychology
2. Research Methods
3. Brain and Nervous System
4. Sensation/Perception
5. States of Consciousness
6. Classical/Operant Conditioning, Learning, Memory
7. Child, Adolescent, Adult Development
8. Motivation/Emotion
9. Personality
10. Thought, Language, Intelligence
11. Stress and Health
12. Psychological Disorders
13. Treatment for Mental Disorders
14. Social Psychology

Sociology * (Course offering dependent on enrollment)

1 Semester Grade: 11

Prerequisite: Requirements Met

Credit: .500

Grad. Require.: Social Studies

This semester course covers the main sociology concepts including but not limited to:

1. Sociological Perspectives and Sociological Imagination
2. Sociological Research Methods
3. Culture and Societies
4. Socialization
5. Social Groups and Organizations
6. Deviance, Crime, and Social Control
7. Social and Global Stratification
8. Race and Ethnicity
9. Sex and Gender
10. Economics and Politics
11. Religion
12. Population and Urbanization
13. Contemporary Mass Media
14. Social Change and Movements

MATHEMATICS GRADUATION REQUIREMENTS

- The Math department consists of full year courses at various ability levels.
- Six semesters of Math are required for a diploma and for entry into the Oregon system of higher education.
- Preferred Sequence: Algebra 1, Geometry, Algebra 2, Pre-Calculus, Calculus, & Statistics
- Pre-Calculus, Calculus & Statistics are Dual Credit Courses Through PCC

Algebra 1

Full Year Grade: 9,10,11,12
Prerequisite: None
Credit: 1.00
Grad. Require.: Math

This year-long course is a traditional first algebra course laying a critical foundation on which future math courses are based. Topics include linear equations and inequalities, algebraic functions (linear, quadratic, and exponential), the graphs of lines and curves, algebraic systems, and polynomials.

Geometry

Full Year Grade: 9,10,11,12
Prerequisite: Algebra 1
Credit: 1.00
Grad. Require.: Math

This yearlong course is a traditional geometry course for students who have successfully completed Algebra 1. Topics covered include reasoning and proof, parallel and perpendicular lines and planes, angles and triangles, congruencies, similarity, inequalities, areas, circles, spheres, construction, plane and coordinate geometry, and applications of algebra to physical situations.

Algebra 2

Full Year Grade: 9,10,11,12
Prerequisite: Algebra 1(C or better)
Credit: 1.00
Grad. Require.: Math

This yearlong course contains the math that most colleges and universities expect student to have studied. Students will extend their understanding of functions, number properties, graphs, equations, inequalities, trigonometry, polynomials, exponential and logarithmic functions. Students will cover topics covered on the ACT and SAT tests.

Pre-Calculus

Full Year Grade: 9,10,11,12
Prerequisite: Algebra 2 (C or better)
Credit: 1.00 Weighted
Grad. Require.: Math

This yearlong course is designed to prepare students to take Calculus the following year. Topics covered include equations and inequalities, functions (quadratic, exponential, logarithmic, polynomial, rational and trigonometric) sequences, series, probability, vectors, matrices, and statistics. Students who receive an A or B as a final grade will receive transferable college credit through Portland Community College (Math 111 and Math 112). This is a weighted course for those students receiving a C or higher.

Calculus

Full Year Grade: 10,11,12
Prerequisite: Pre-Calculus (C or better)
Credit: 1.00 Weighted
Grad. Require.: Math

The curriculum is identical to that offered at Portland Community College in Math 251 and Math 252. Topics in Math 251 include functions, limits, continuity, and differential calculus and its applications. Math 252 includes techniques of integration and application of the integral. Students who receive an A or B as a final grade will receive transferable college credit through Portland Community College. This is a weighted course for those students receiving a C or higher. Graphing calculators are used throughout the course.

Statistics * (Course offering dependent on enrollment)

Full Year Grade: 11-12
Credit: 1.00 Weighted
Grad. Require.: Math
Prerequisite: Pre-Calculus (C or better)

Fall Semester: Topics include displaying data with graphs, numerical descriptions of data, reducing data, elementary probability, probability distributions, and the introduction of confidence intervals. Applications are investigated from science, business, and social science perspectives. Students who receive an A or B as a final grade will receive transferable college credit through Portland Community College. This course is identical to PCC's Math 243 course (Fall), Math 244 course (Spring). This is a weighted course for those students receiving a C or higher. T1-83 or T1-84 Calculator is required.

Prerequisite: Statistics Fall Semester (C or better)

Spring Semester: Topics include confidence interval estimation; tests of significance including z-tests, t-tests, ANOVA, and chi-square; inference for linear regression. Applications are investigated from science, business, and social science perspectives.

SCIENCE GRADUATION REQUIREMENTS

The Science department consists of full year courses at various ability levels. (The exception would be Forensics which is a semester only course).

- Two years of Science are required for a diploma and for entry into the Oregon system of higher education
- Sequence of difficulty level: Physical Science, Biology, Conceptual Physics, Forensics, Anatomy and Physiology, Chemistry and Physics

Physical Science

Full Year Grade: 9,10,11,12
Prerequisite: None
Credit: 1.00
Grad. Require.: Science

This year-long lab science course covers energy and motion, electricity and energy sources, energy on the move, and the nature and diversity of matter. In the lab component of this class, students develop the skill of experimentation, observation, analysis, and use of laboratory equipment.

Biology

Full Year Grade: 9,10,11,12
Prerequisite: None
Credit: 1.00
Grad. Require.: Science

This year-long lab science course covers cell structure and function, genetics and DNA, bacteria and viruses as well as plants and animals. It will also include units of ecology, the human body and how living things change and adapt over time. In the lab component of this class, students develop the skill of experimentation, observation, analysis, and use of laboratory equipment.

Conceptual Physics

Full Year Grade: 10,11,12
Prerequisite: Biology
Credit: 1.00
Grad. Require.: Science

This is a year-long lab science course which will give an overview of the scientific study of physics to students with a wide range of background and abilities. Throughout the course, problem solving skills, and lab approaches will be stressed. The following assessments will be used; laboratory experiments with reports, assignments, quizzes, test, films, demonstrations, and projects. This covers many aspects of physics such as:

- a. Basic concepts of physics

- b. Gathering data, graphing and interpretation
- c. Study of solids, liquids, and gases
- d. Motion and energy
- e. Heat and its properties
- f. Electrostatics and electricity
- g. Magnetism
- h. Waves and sound, light and color
- i. Special project

Forensics *(Course offering dependent on enrollment)

1 Semester Grade: 11,12

Prerequisite: Biology

Credit: .500

Grad. Require.: Science

This is a semester science course in crime scene investigation. The following assessments will be used: laboratory experiments with written reports, films, DVDs, demonstrations, tests, quizzes, numerous readings and research of crime cases, also special assignments or projects. The course will include the following topics:

- a. History and background of forensics science
- b. DNA & Fingerprint analysis
- c. Hair and textile fiber analysis
- d. Ink analysis
- e. Analysis of blood spatter and type
- f. Forensics Tests

Anatomy and Physiology *(Course offering dependent on enrollment)

Full Year Grade: 11,12

Prerequisite: Biology

Credit: 1.00

Grad. Require.: Science

This is a year-long lab science course which covers the main topics of anatomy and physiology. Assessment will include unit exams, laboratory experiments with formal write-ups, projects, DVDs, demonstrations, and hands-on activities. The course will include the following topics:

- 1. Levels of Organization
 - a. Terminology
 - b. Chemical Basis of Life
 - c. Cells
 - d. Cellular Metabolism
 - e. Tissues
- 2. Support and Movement
 - a. Integumentary System
 - b. Skeletal System
Joints of the Skeletal System
 - c. Muscular System

3. Integration and Coordination
 - a. Nervous System
 - b. Endocrine System
4. Transport
 - a. Blood
 - b. Cardiovascular System
 - c. Lymphatic System and Immunity
5. Absorption and Excretion
 - a. Digestive System
 - b. Nutrition and Metabolism
 - c. Respiratory System
 - d. Urinary System
 - e. Water, Electrolyte, and Acid-Base Balance
6. The Human Life Cycle
 - a. Reproductive System
 - b. Pregnancy, Growth, and Development
 - c. Genetics and Genomics

Chemistry

Full Year Grade: 10,11,12

Prerequisite: Biology

Credit: 1.00

Grad. Require.: Science

This is a year-long lab science course which will give an overview of the study of matter and energy, the use of scientific concepts and mathematics. Throughout the course, problem solving skills and lab approaches will be stressed. The following assessments will be used: laboratory experiments with written reports, assignments, quizzes, tests, films, demonstrations. This course covers the following aspects of chemistry:

- a. Introduction to chemistry and lab safety
- b. Data gathering and interpretation
- c. Properties and change of matter
- d. Atomic theory and structure
- e. Periodicity
- f. Chemical bonding
- g. Chemical reactions
- h. Mole, stoichiometry, gas laws
- i. States of matter, solutions, energy changes
- j. Reaction rates and equilibrium
- k. Acids, bases, salts
- l. Oxidation-reduction reactions

Physics

Full Year Grade: 10,11,12

Prerequisite: Biology

Credit: 1.00

Grad. Require.: Science

This is a year-long lab science course which will give an overview of the basic principles of physics, mathematical analysis of concepts, and their application. The following assessments will be used: laboratory experiments with written reports, assignments, quizzes, tests, films, demonstrations. The course will include the following topics:

- a. Gathering data and graphing
- b. Motion, forces, momentum
- c. Energy and work
- d. Thermal energy
- e. States of matter
- f. Vibrations and waves
- g. Sound, light, optics
- h. Electrostatics, electricity, circuits
- i. Magnetism
- j. Quantum and nuclear theory

FOREIGN LANGUAGE GRADUATION REQUIREMENTS

The Foreign Language department consists of full year Spanish classes offered in sequential order.

- One year of Foreign Language is required for a diploma and for entry into the Oregon system of higher education.
- Required Sequence: Spanish 1, 2, 3, 4, 5

Spanish 1

Full Year Grade: 9,10,11,12

Prerequisite: None

Credit: 1.00

Grad. Require.: Foreign Language

In the first year of study, students will learn basic vocabulary, grammar, and idiomatic expressions. They will converse about school, family, sports and other pastimes and gain a familiarity with many aspects of Hispanic culture through elementary reading as well as classroom projects. At the conclusion of this year-long course, students should be able to converse comfortably in the present tense and hold simple conversations with classmates.

Spanish 2

Full Year Grade: 10,11,12

Prerequisite: Spanish 1

Credit: 1.00

Grad. Require.: Foreign Language

In the second year of study, students will expand their vocabulary and ability to use different tenses other than present tense: past, imperfect, future, conditional, as well as compound verb forms and the subjunctive. Students will improve their comprehension and speaking proficiency as well as understanding of Spanish culture by “adopting” a particular Spanish-speaking country for a year-long study project.

Spanish 3

Full Year Grade: 11,12

Prerequisite: Spanish 2

Credit: 1.00

Grad. Require.: Foreign Language

In the third year of study, students will concentrate on improving their fluency in Spanish through exclusive use of the language in the classroom as well as on projects and reports. Students will also be exposed to the different dialects throughout the Spanish-speaking world and will increase their knowledge of Spanish literature by reading a variety of short stories, plays, and poems by well-known Spanish/Latino authors.

Spanish 4

Full Year Grade: 12

Prerequisite: Spanish 3

Credit: 1.00

Grad. Require.: Foreign Language

In the fourth year of study, students will focus on increasing their fluency in Spanish through a variety of activities including field trips, guest speakers, guided conversations with classmates, as well as select films (Bajo La Misma Luna, El Orfanato, etc). Examination of Spanish literature will include novels and novellas from the “Golden Era” of Spain as well as from the Americas in addition to exposure to authors and literature from the United States.

Spanish 5 * (Course offering dependent on enrollment)

Full Year Grade: 12

Prerequisite: Spanish 4

Credit: 1.00

Grad. Require.: Foreign Language

In the fifth year of study students will reinforce and expand their comprehension skills through a variety of increasingly complex activities such as reading on-line newspapers and magazines, reporting on news and items on Spanish Language TV. (e.g. Univision, y Telemundo) and establishing and maintaining interpersonal relations with e-mail and foreign exchange programs. Students will use a selection of original written works from key authors, films, video footage, and resources available on the World Wide Web. Films will include “Diarios de motocicleta” and “Como agua para chocolate” and exploration of Chicano literature by Francisco Jimenez and the migrant experience in the United States.

HEALTH GRADUATION REQUIREMENTS

- One full year of Health is required to graduate.
- Students may split up the years that they take Health as long as one semester is taken in the fall and one semester is taken in the spring.

Health

2 Semesters Grade: 9,10,11,12

Prerequisite: None

Credit .500 per semester

Grad. Require.: Health

Health is a one credit course that may be split into two semesters as long as both a fall and a spring semester is taken. The purpose of this class is to present the Bible as the foundation for a healthy lifestyle. This class will deal with the integration of the physical, mental, social and spiritual dimensions of life, including: Focus on overall wellness, safety, stress management and health maintenance, disease prevention, drug use, issues in personal relationships', and human sexuality. The methods of teaching include lectures, handouts, guest speakers, videos and small group discussions.

PHYSICAL EDUCATION GRADUATION REQUIREMENTS

- One year of elective PE is required in order to graduate.
- The Physical Education program consists of semester courses for all grade levels
- A student may take multiple P.E. classes during any semester in high school

ELECTIVE COURSES

Freshman PE
Athletic PE
Weight Training
Athletic Training Philosophy

Freshman PE

2 Semesters Grade: 9

Prerequisite: None

Credit .500 per semester

Grad. Require.: Physical Education

Freshmen P.E. class is a chance for all students to fulfill their graduation requirement in this curriculum. The focus is on teaching life skills for exercise. The class will teach and enforce how to successfully understand how different components of fitness can impact our bodies. Components of fitness that will be covered include Flexibility, Pilates, Cardiovascular fitness, strength training, and injury rehabilitation. The Oregon standards require competency in three or more of the following categories of movement forms and more advanced skills in one or more movement forms:

1. Dual activities
2. Aerobic/cardio-respiratory lifetime activities
3. Outdoor pursuits
4. Dance, self-defense, yoga, martial arts
5. Team sports
6. Strength training and conditioning
7. Aquatics

Oregon State Common Curriculum Goals for physical education ask that students demonstrate knowledge of a variety of motor skills, and understand and participate in a variety of physical and recreational activities available in the school and community. Students are expected to understand and apply movement concepts and physical education vocabulary as it relates to movement concepts. Students are expected to understand rules and strategies for a variety of physical activities, and to demonstrate knowledge of a physically active lifestyle. Students are expected to learn how their own personal fitness can be improved and maintained using a health related fitness assessment as one tool for measurement. At Horizon Christian High School students are asked to

understand how God designed their body to best function and how to maintain the health of that function.

Athletic PE

2 Semesters Grade: 9-12

Prerequisite: None

Credit .500 per semester

Grad. Require.: Physical Education

Our Athletic P.E. classes are a chance for our students to receive personalized fitness instruction. This class is the equivalent of having a personal trainer in a group setting. Each student will independently, or in small groups, be able to receive physical training that is appropriate to their current physical training and physical abilities. Goals are set with the instructor. Cardiovascular, strength, flexibility, sport specific training, and injury rehabilitation are examples of what the students can choose to work at. All components are available at the student's disposal.

Weight Training

2 Semesters Grade: 9-12

Prerequisite: None

Credit .500 per semester

Grad. Require.: Physical Education

Horizon's Weight Training program is a personalized instruction course. This class uses various assessments to determine at what level of training each student can train safely without compromising the integrity of their body and risk damage to their joints. This class will be of great benefit to both athletes looking to gain the necessary strength to protect them on the courts and fields, as well as students just wanting to stay fit and learn how to train for the years beyond high school. These assessments will be taken every 8 weeks so the students can see their progress and results from their training.

Athletic Training Philosophy

Full Year Grade: 9-12

Prerequisite: None

Credit 1.00

Grad. Require.: Physical Education

Any students looking to go into the fitness industry or just wanting to know how to take control of their personal health will enjoy this class. Various components of fitness and health are studied and students are taught how to understand each of these components from one sound philosophy. The course includes the following:

- a. Training Philosophy- God's strength progression, living adaptive organism
- b. Muscular Anatomy- components of muscle tissue, muscular contraction
- c. Skeletal Anatomy- components of bone tissue- proper movement of bones
- d. Philosophy of exercise- warm-ups, cool-downs, strength training, running efficiency training

- e. Injury rehabilitation- basic first aid, joint stabilization, joint range of motion
- f. Program Design- how to develop your own fitness routines
- g. Personal Training- client intakes, client assessment
- h. Team/Group training- warm-up and group goal setting

FINE ARTS GRADUATION REQUIREMENTS

- Courses in this department provide credit towards the Fine Arts, Foreign Language, and Professional Technical Education (PTE).
- One full year of credit is required in either the Fine Arts or Foreign Language or PTE.

Art * (Course offering dependent on enrollment)

2 Semesters Grades: 9-12

Prerequisite: None

Credit: .500 per semester

Grad. Require.: Fine Arts

Depending upon enrollment, Art curriculum will adjust to the level of the students. A basic art class would include the elements and principles of design. Students would be expected to learn how to draw, and how to use color. Students will learn the fundamentals of composition and perspective and how to critique as well as create art. This is a project oriented class and students must be willing to engage in projects through completion. There may be a fee for art supplies.

Advanced Art * (Course offering dependent on enrollment)

2 Semesters Grades: 9-12

Prerequisite: None

Credit: .500 per semester

Grad. Require.: Fine Arts

Advanced Art is offered to students who have met the basic requirements of the introductory art class. An advanced art class may include activities such as water-color painting, acrylic based painting, sculpture, and ceramics. What is taught depends upon resources available and the skill level and interests of both teacher and student. There will be an additional fee for this class and students may need to be transported to an area studio to do some of their work.

Drama * (Course offering dependent on enrollment)

2 Semesters Grades: 9-12

Prerequisite: None

Credit: .500 per semester

Grad. Require.: Fine Arts

The class will provide an introduction to Theatre Arts. Students will learn the basic skills required of a performer on stage. Areas covered will be improvisation, short scenes, stagecraft, and voice work, body work, and the communication of emotion through body language. Students may study playwriting and actually perform and direct in their own play pending approval of the instructor.

Choir

Full Year Grades: 9-12

Prerequisite: None

Credit: 1.00

Grad. Require.: Fine Arts

This class introduces the students to Horizon's music program. The number one and most important goal of our department is to worship the Lord through music. This will be accomplished through helping the students acquire an understanding of the value of music, choral literature, and style. Students will attain musical knowledge, vocal production skills, critical thinking skills, and independent and corporate performance skills, while working toward a common goal. This class will sing in four concerts during the school year.

Ensemble (Sonrise)

Full Year Grades: 9-12

Prerequisite: Audition

Credit: 1.00

Grad. Require.: Fine Arts

The primary goal of our department is to worship the Lord through music. The second is to educate and help students acquire an understanding of the value of music, choral literature and style. Students will attain musical knowledge, vocal production skills, critical thinking skills, and independent and corporate performance skills while working toward a common goal. Sonrise performs in four major concerts throughout the school year, which includes a variety of styles. The ensemble participates in District 14 Solo/Ensemble concert. This event allows constructive criticism in how to improve sound and performance. Sonrise also sings for the community, such as City of Tualatin tree lighting ceremony, retirement centers, grocery store events, and Tualatin Rotary. We also enjoy sharing the National Anthem at sporting events.

BIBLE

GRADUATION REQUIREMENTS

The Bible program consists of four full year courses at each grade level.

- Four full years (eight semesters) of Bible are required for a diploma unless student is a transfer. Transfer students must take Bible each semester enrolled.

REQUIRED COURSES

- Bible 9: Old Testament Survey
- Bible 10: Life of Christ and New Testament Survey
- Bible 11: Career Education and Christian Spiritual Formation
- Bible 12: Worldview-Apologetics and Dating, Marriage and Family

Bible 9

Full Year Grades: 9

Prerequisite: None

Credit: 1.00

Grad. Require.: Bible

Bible 9 is a two semester class designed as an introductory course in the high school Bible track, specifically for freshman. Bible 9 provides a significant introduction to the Bible in the first unit. Students will complete a survey of the Old Testament. Opportunity for reflection and life application will be provided. It is the hope and expectation that students not only receive a basic understanding of how to navigate scripture, but will be able to see how their story and journey intersects with the story and journey of Scripture. This class will conclude with a final unit exploring and espousing the Divinity of Christ, which will serve as a bridge to Bible 10.

Bible 10

Full Year Grades: 10

Prerequisite: Bible 9 or transfer

Credit: 1.00

Grad. Require.: Bible

Bible 10 is a one year, two part course. First semester entails an in-depth study of the Gospel of Mark and the Life of Christ. Second semester is an overview and survey of all the books of the New Testament. The focus of Bible 10 is considering the claims of Jesus Christ and His call for all people to be His followers, and to understand the story of Christ's redemption through His life, ministry and the establishment of the Church.

Bible 11

Full Year Grades: 11

Prerequisite: Bible 10 or transfer

Credit: 1.00

Grad. Require.: Bible

Bible 11 is a one year, two part course. The first semester is an in-depth consideration of how students can make career decisions from a biblical perspective, as well as challenging students to begin making these decisions as they prepare to enter their final year of high school. Second semester is devoted to Christian Spiritual Formation. During the course, the students will explore biblical disciplines, habits, and practices that lead to a closer relationship with God and His Church.

Bible 12

Full Year Grades: 12

Prerequisite: Bible 11 or transfer

Credit: 1.00

Grad. Require.: Bible

Bible 12 is a one year, two part course. The first semester is Christian Worldview and Apologetics. The course content involves comparing and contrasting various major worldviews to the biblical Christian worldview. The course also provides an intellectual defense for the reliability of the biblical texts and the historicity of Jesus. The focus of the course is to prepare students to be able to intellectually defend their faith in the context of secular university environments. The course content for second semester explores “Dating, Marriage, and Family” from a biblical perspective. The focus of the course is to help students prepare for these relationships in their lives after high school.

OTHER COURSE OPTIONS

GRADUATION REQUIREMENTS

Courses in this section fall under the category of Elective Courses, however Independent Study courses may include a required course.

- Classes may be taken for a semester or a full year.
- Some courses are for credit and some are no credit but rather are a pass/no pass class.

Leadership

Full Year Grade: 9-12

Prerequisite: None

Credit: 1.00

Grad. Require.: Elective

As a year-long elective, Leadership class is designed to develop and offer a safe and encouraging opportunity to lead with God given strength in any facet of life. This is done by focusing and working through three main Units of instruction: Strength of Self Mastery, Strength of Action, and Strength of Relationships. Within each of these units the class will include:

- a. Understanding the Three Strengths at a level of depth that allows for discussion and dialogue with another student or adult about similar or different elements of leadership
- b. Analyzing different leadership styles, strengths, and effectiveness
- c. Developing goals and a plan of action
- d. Understanding how to create an environment where people respect themselves
- e. Developing are own personal theory of leadership using Christ as the central model along with additional ideas from other books and literature
- f. Evaluate theories of leadership that are not Christ-like and make judgments about leadership styles that are ineffective, fail to produce positive results and are potentially immoral, unethical, illegitimate, and/or evil
- g. Understanding Jesus' structure of influence
- h. Leading small group conversations (based on facilitation)
- i. Understanding delegation and how the process of delegation works

Textbooks Include: Jesus, CEO and Using Ancient Wisdom For Visionary Leadership by Laurie Beth Jones, The Holy Bible, New American Standard Bible.

Independent Study

2 Semesters Grade: 9-12

Prerequisite: Teacher/Principal Approval

Credit: .500 per semester

Grad. Require.: Core/Elective

Independent Study is an option that is provided for students who are not able to fit a certain class into their schedule due to a conflict in their schedule. Students who need to take an Independent Study course will be “assigned to Study Hall” for attendance and studying purposes, however homework, assignments, tests and finals will come from the teacher who is best determined to be able to administer the course information. Students will be required to be self-motivated and work independently; making consistent contact with the teacher to receive instruction and coursework.

Study Hall

2 Semesters Grade: 9-12
Prerequisite: None
Credit: Zero Credit, Pass/No Pass Grade
Grad. Require.: Elective

Study Hall is designed for students who have a heavy school schedule and don't have time outside of school for homework. Therefore, it is important that students use the study hall time for SCHOOLWORK. Students are expected to bring schoolwork to do in class. If they have no “homework” then they are to STUDY (read over textbooks, review material learned, study for any upcoming tests, or if nothing else, read a book.) A teacher supervises the class and is available to assist students with questions and support to become a more successful student. Study Hall is a zero credit; pass/no pass class, however, tardy and attendance rules still apply.

Teacher's Aide

2 Semesters Grade: 9-12
Prerequisite: Teacher Approval
Credit: .500 per semester, Pass/ No Pass Grade
Grad. Require.: Elective

A Teacher's Aide or TA position is available to students with teacher and principal approval. A TA will work for a teacher or the office during the assigned class time and assist the teacher or office with various duties. A Teacher's Aide will receive .500 credit and a pass/no pass grade. Attendance is monitored and tardy and absences are recorded.

Cadet Teacher

2 Semesters Grade: 9-12
Prerequisite: Teacher/Principal Approval
Credit: .500 credit, Graded
Grad. Require.: Elective

A Cadet Teacher is a “student teacher” who works under the direct supervision of the assigned teacher. Duties may include, but are not limited to: copying, filing, grading, tutoring, teacher prep work, and at times, teaching the subject with the teacher present. Cadet Teachers will be required to write one lesson plan for one class period per quarter. A Cadet Teacher will receive both .500 credit and a grade each semester.