

2010-2011 CURRICULUM GUIDE



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GRADUATION REQUIREMENTS

GRADUATION YEAR OF STUDENT				
	2011	2012	2013	2014
ENGLISH	4	4	4	4
MATH	3	3	3	3
SCIENCE	2	3	3	3
SOCIAL STUDIES	3	4	4	4
P.E	1	1	1	1
HEALTH	1	1	1	1
*FL., ART, PTE	1	3	3	3
ELECTIVES	11	7	7	7
(Includes Bible)				
TOTALS	26	26	26	26

***FL- Foreign Language**

***PTE- Professional Technical Education**

***With the class of 2012, a combination of 3 years, or 6 semesters, of Foreign Language, Art or Professional Technical Education must be completed**

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.
- Students may take Honors English 10, 11, or 12 upon approval of instructor.

Required Courses

English 9
English 10 or Hon Eng 10
English 11 or Hon Eng 11
English 12 or Hon Eng 12

Elective Courses

Yearbook
Journalism

English 9

Full Year	Grade: 9
Prerequisite:	None
Credit:	1.00
Grad. Req.:	English/L. A. (Gr. 9)
Textbook:	Writing & Grammar 9, BJU Press; Glencoe Literature: The Reader's Choice; Sadlie- Oxford, Grammar for Writing

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

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

English 10

Full Year	Grade: 10
Prerequisite:	Sophomore Standing
Credit:	1.00
Grad. Req.:	English/L. A. (Gr. 10)
Textbook:	Sadlier-Oxford: Grammar For Writing; Literature & Language: Grammar & Usage, McDougall-Littell

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. Req.:	English/L.A. (Gr. 11)
Textbook:	The Reader's Choice, Glencoe Literature

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. Req.:	English/L.A. (Gr. 12)
Textbook:	Teacher selects literature from a variety of texts

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.

Honors English 10, 11, 12

Full Year	Grade: 10, 11, 12
Prerequisite:	Instructor Approval
Credit:	1.00
Grad. Req.:	English/L.A.
Textbook:	Glencoe Literature & Select Novels

This course is designed for highly motivated students who wish to develop advanced skills in analysis and interpretation of literature. Honors English courses are primarily distinguished from standard English courses by qualitative requirements rather than quantitative means, however a large scope of material is covered, with greater depth, scope, pacing, and reflection than and ordinary English class. Students will be involved in critical analysis and thinking, with increased exploration of content involving research, application, synthesis and constructive criticism.

Coursework covers a variety of genres, writers, literary devices, and time periods associated with the development of literature, as prescribed by the State of Oregon for each grade level. Sophomores will study world literature, juniors will study American literature, and seniors will study British literature.

Yearbook * (Course offering dependent on enrollment)

2 Semesters	Grade: 9-12
Prerequisite:	Consent of Instructor
Credit:	.500 per semester
Grad. Req.:	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. Req.:	Elective
Textbook:	The Synonym Finder; Writers Express; Writers Inc; Checking Your Grammar

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

- Three years (six semesters) of Social Studies are required for a diploma and for entry into the Oregon system of higher education.
- Four years (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.

Required Courses

Ancient World History
Modern World History
US History
Government and Economics

Elective Courses

Global Issues
Psychology

Ancient World History

Full Year	Grade: 9
Prerequisite:	None
Credit:	1.00
Grad. Req.:	Ancient World History
Textbook:	World History for Christian Schools, BJU Press

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 creation of the world 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 regions of the world, how those regions 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. Req.:	Modern World History
Textbook:	World History for Christian Schools, BJU Press

This year-long class begins with the European explorations of Africa, 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 worldwide.

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.
14. Identify and analyze diverse perspectives on and historical interpretation of historical issues and events from a Christian worldview.
15. 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. Req.:	US History
Textbook:	US History for Christian Schools, BJU Press

This junior level year-long course is an introductory survey of American History. The course will include 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. Req.:	Social Studies
Textbook:	Economics: Principles & Practices, Glencoe Junior
Achievement Property, Abeka Books	Student Workbook; Economics, Work &

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 study the following:

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. Req.:	Social Studies
Textbook:	American Government, BJU Press

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 is all viewed from a Christian worldview.

Global Issues

Fall Semester, Spring Semester *(Course offering dependent on enrollment)

1 Semester each	Grade: 11
Prerequisite:	Requirements Met
Credit:	.500
Grad. Req.:	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. Req.:	Social Studies
Textbook:	Introduction to Psychology

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

MATHEMATICS

GRADUATION REQUIREMENTS

The Math department consists of full year courses at various ability levels.

- Three years (six semesters) of Math are required for a diploma and for entry into the Oregon system of higher education.
- Beginning with the freshman class of 2014, 3 years at Algebra 1 level and above is required for entry into the Oregon system of higher education.
- Sequence of difficulty level: Business Math, Algebra 1, Geometry, Algebra 2, Pre-Calculus, Calculus and Statistics.
- Pre-Calculus, Calculus & Statistics are Dual Credit Courses through PCC.

Math Courses

Business Math
Algebra 1
Geometry
Algebra 2
Pre-Calculus
Calculus
Statistics

Business Math ^{*}(Course offering dependent on enrollment)

Full Year	Grade: 9-12
Prerequisite:	None
Credit:	1.00
Grad. Req.:	Math
Textbook:	Business Math, Thomson South-Western

Students interested in business-related careers and consumer applications will find this course useful. Topics will include the mathematics of business operations and record keeping, banking, purchasing, and sales. Situations involving discounts, commissions, interest, taxes, and depreciation will be studied. Topics also include consumer applications. Business Math will allow the student to learn business and consumer concepts they will use throughout their lives. The student will be involved in learning how to communicate information mathematically, solve problems from a real-world context and justify the solutions to problems. Problem solving applications will be used to analyze and solve business problems for such areas as taxation; savings and investments; payroll records; cash management; financial statements, purchases; sales; inventory records; and depreciation.

Algebra 1

Full Year	Grade: 9,10,11,12
Prerequisite:	None
Credit:	1.00
Grad. Req.:	Math
Textbook:	Algebra 1, McDougal-Littell

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 Req.:	Math
Textbook:	Geometry, McDougal -Littell

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. Req.:	Math
Textbook:	Algebra 2, McDougal-Littell

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. Graphing calculators are used throughout the course.

Pre-Calculus

Full Year	Grade: 9,10,11,12
Prerequisite:	Algebra 2 (C or better)
Credit:	1.00 Weighted
Grad. Req.:	Math
Textbook:	Advanced Math, McDougal-Littell

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. Graphing calculators are used throughout the course.

Calculus

Full Year	Grade: 10,11,12
Prerequisite:	Pre-Calculus (C or better)
Credit:	1.00 Weighted
Grad. Req.:	Math
Textbook:	Calculus: Concepts 7 Context, Thompson, Brooks & Paul

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
Prerequisite:	Pre-Calculus (C or better)
Credit:	1.00 Weighted
Grad. Req.:	Math
Textbook:	The Practice of Statistics, Yates, Moore, Starnes

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.

- Two years (four semesters) of Science are required for a diploma and for entry into the Oregon system of higher education.
- Three years (6 semesters) of Science are required for a Horizon diploma beginning with the class of 2012.
- Sequence of difficulty level: Physical Science, Biology, Conceptual Physics, Forensics, Anatomy and Physiology, Chemistry and Physics.

Science Courses

Physical Science
Biology
Conceptual Physics
Forensics
Anatomy & Physiology
Chemistry
Physics

Physical Science

Full Year	Grade: 9,10,11,12
Prerequisite:	None
Credit:	1.00
Grad. Req.:	Science
Textbook:	Physical World, BJU Press

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. Req.:	Science
Textbook:	Biology, Glencoe

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. Req.:	Science
Textbook:	Conceptual Physics, Prentice Hall

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)

Full Year	Grade: 11,12
Prerequisite:	Biology
Credit:	1.00
Grad. Req.:	Science
Textbook:	Teacher generated materials

This is a year long lab science course in crime scene investigation. The following assessments will be used; laboratory experiments with written reports, films, DVD's demonstrations, tests, quizzes, numerous reading and research of crime cases, also special assignments or projects. The course will include the following topics:

1. History and background of forensic science.
2. Crime Scene and Physical Evidence
3. Ink & documentation analysis
4. Hair & textile Fiber analysis
5. Fingerprint analysis
6. Analysis of blood spatter and type
7. DNA evidence
8. Teeth marks & Lip Prints(optional)
9. Shoe prints & Tire marks(optional)
10. Glass & Soil Analysis(optional)
11. Bones-Skeleton(optional)
12. Bullets & Firearms(optional)
13. Forensics Test
14. Autopsy
15. Mock Scene

Anatomy and Physiology *(Course offering dependent on enrollment)

Full Year	Grade: 11,12
Prerequisite:	Biology
Credit:	1.00
Grad. Req.:	Science
Textbook:	Hole's Human Anatomy & Physiology, Prentice Hall

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
 - Joint 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. Req.:	Science
Textbook:	Chemistry Matter & Change, Glencoe

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:

1. Introduction to chemistry and Lab Safety
2. Data gathering and interpretation
3. Properties and change of matter
4. Atomic Theory and Structure

5. Periodicity
6. Ionic and Covalent chemical bonding
7. Chemical Reactions
8. Mole and Stoichiometry
9. Gas Laws
10. States of matter and solutions
11. Energy Changes
12. Reaction Rates and Equilibrium
13. Acid, basis and salts
14. Oxidation-reduction reactions

Physics

Full Year	Grade: 10,11,12
Prerequisite:	Biology
Credit:	1.00
Grad. Req.:	Science
Textbook:	Physics: Principles and Problems, Glencoe

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:

1. Gathering data and graphing
2. Motion, forces, momentum
3. Energy and work
4. Thermal Energy
5. States of Matter
6. Vibrations and Waves
7. Sound
8. Light and Optics
9. Electrostatics, electricity, circuits
10. Magnetism

FOREIGN LANGUAGE

GRADUATION REQUIREMENTS

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

- One year (two semesters) of Foreign Language is required for a Horizon diploma.
- Two years (four semesters) of Foreign Language is required for entry into the Oregon system of higher education.
- Sequence: Spanish 1, 2, 3, 4, 5.

Spanish 1

Full Year	Grade: 9,10,11,12
Prerequisite:	None
Credit:	1.00
Grad. Req.:	Foreign Language
Textbook:	Buen Viaje! Level 1, McGraw-Hill

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. Req.:	Foreign Language
Textbook:	Buen Viaje! Level 2, McGraw-Hill

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 and Instructor Approval
Credit:	1.00
Grad. Req.:	Foreign Language
Textbook:	Buen Viaje! Level 3, McGraw-Hill

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 and Instructor Approval
Credit:	1.00
Grad. Req.:	Foreign Language
Textbook:	Galeria De Arte Y Vida Cuadro, Glencoe, McGraw-Hill

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 and Instructor Approval
Credit:	1.00
Grad. Req.:	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 (two semesters) of Health is required to graduate.
- Students may split up the years that they take Health as long as both Health A (Semester 1) and Health B (Semester 2) are completed.

Health (A/B)

Full Year	Grade: 9,10,11,12
Prerequisite:	None
Credit	.500 per semester
Grad. Req.:	Health
Textbook:	Total Health: Choice for a Winning Lifestyle

Health A (Semester 1)

Health class begins with *Mental, Emotional* and *Social Health*. Topics include stress management and coping skills related to managing emotional peer pressure. Character, convictions and conduct is emphasized this semester to show that living a Christian life is walking in victory and power. Finally, the student is taught to set personal boundaries in their life and the emphasis of what it means to be mature emotionally, socially and spiritually is expressed.

Health B (Semester 2)

Health class covers the *Physical* and *Spiritual* aspects of well-being expressing the key to a winning lifestyle. Topics include the introduction to the human body, the study of the eleven systems, the principles of good nutrition, and infectious and non-infectious diseases. In conclusion, the meaning of being "God-focused" in times of trouble is emphasized so that students can obtain a vision for their life.

PHYSICAL EDUCATION

GRADUATION REQUIREMENTS

- One year of Physical Education is required in order to graduate.
- Once requirement is met, all other PE course will be elective courses.
- 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.

Physical Education Courses

PE
Athletic PE
Weight Training
Athletic Training Philosophy

PE

2 Semesters Grade: 9-12
Prerequisite: None
Credit .500 per semester
Grad. Req.: Physical Education

The 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. Req.:	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. Req.:	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. Req.:	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).
- For the graduating class of 2011 one full year (two semesters) of credit is required in either the Fine Arts or Foreign Language or PTE.
- Starting with 2012, a combination of three years is required in Fine Arts, Foreign Language, or PTE.

Fine Arts Courses

Art
Advanced
Art
Drama
Choir

Art *(Course offering dependent on enrollment)

2 Semesters Grades: 9-12
Prerequisite: None
Credit: .500 per semester
Grad. Req.: Fine Arts
Textbook: Art, Glencoe

This art course is based on art history, technique, and personal skill development. Students will study art eras from pre-historic to modern art. They will learn about each time period, art criticism, and various styles throughout the year. Students will also apply the elements and principles of design to work by outside artists as well as to their own work. This course also includes research into an artist of their choice and participation in our K-12 Spring Art Show.

Advanced Art *(Course offering dependent on enrollment)

2 Semesters Grades: 9-12
Prerequisite: None
Credit: .500 per semester
Grad. Req.: Fine Arts
Textbook: Art, Glencoe

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. Req.:	Fine Arts

The class will provide an introduction to Theatre Arts. Students will learn the basic skills required of a performer on stage and technical roles backstage. Areas covered will be improvisation, short scenes, monologues, characterization, stagecraft, and articulation, body work, and the communication of emotion through body language. Students will perform for each other numerous scenes and perform for the public in the One Acts Festival. All students will work back stage as well. Performance in public is not a requirement.

Choir

Full Year	Grades: 9-12
Prerequisite:	None
Credit:	1.00
Grad. Req.:	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. Voice lesson are strongly encouraged and participation in the four concerts throughout the year is mandatory.

Ensemble on next page.

Ensemble (Sonrise)

Full Year	Grades: 9-12
Prerequisite:	Audition
Credit:	1.00
Grad. Req.:	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, and Portland Grotto. 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 Horizon diploma unless student is a transfer student.
- Transfer students must take Bible each semester enrolled.
- Senior transfers are required to take Bible 12 and two other semesters of Bible in order to graduate.

Bible Courses

Bible 9: Old Testament Studies
Bible 10: Life of Christ and New Testament Survey
Bible 11: the Mission of God
Bible 12: Worldview, Apologetics, Christian Practices

Bible 9: Old Testament Studies

Full Year Grades: 9
Prerequisite: None
Credit: 1.00
Grad. Req.: Bible
Textbook:

Bible 9 is a one-year, two-part class designed as an introductory course in the high school Bible track, specifically for freshman. The first semester is focused on “*HIS Story: God’s Redemptive Plan.*” This is a study of the historical books and prophetic writings in the Old Testament that focus on God’s efforts to bring humanity back to himself. The second semester examines “*OT Wisdom: Getting to Know God Better,*” a study of the Old Testament wisdom writings for the purpose of experiencing God’s heart of mercy, grace and love.

Bible 10: Life of Christ and New Testament Survey

Full Year Grades: 10
Prerequisite: Bible 9 or transfer
Credit: 1.00
Grad. Req.: Bible
Textbook:

Bible 10 is a one-year, two-part class designed to take high school sophomores through a study of the New Testament. The first semester will look at “The Life of Christ,” a study of the words, and works of Jesus with the goal of understanding his life and experiencing his love. The second semester of study is on “The Acts and Writings of the Early Church.” This is a historical study of the growing church through the book of Acts and the apostolic writings for the purpose of igniting a love for God and a desire to serve him.

Bible 11: The Mission of God

Full Year	Grades: 11
Prerequisite:	Bible 10 or transfer
Credit:	1.00
Grad. Req.:	Bible
Textbook:	

Bible 11 is a two-semester class focused on “The Mission of God.” The first semester will focus on how we see God (Relationship), our world (Worldview), and ourselves (Identity) as we join God on the adventure of a lifetime. The second semester will focus on how we see God’s design for us (Calling), our relationship to the world around us (Purpose), and our future/vocation (Direction) as we look toward a lifetime of loving and serving Him.

Bible 12: Worldview, Apologetics, Christian Practices

Full Year	Grades: 12
Prerequisite:	Bible 11 or transfer
Credit:	1.00
Grad. Req.:	Bible
Textbook:	

Bible 12 is a two-semester course that offers a focus on a Christian worldview, a comparison of world religions, and Apologetics. Course content will include comparing and contrasting major religions. It will provide an intellectual defense for the reliability of biblical texts and the historicity of Jesus. It will dig deep into key biblical passages for comprehensive study of Christian practices and provide a foundation for building a Christian worldview. The focus of this course is to prepare students for the future and launch them with confidence into the university environment and/or corporate world.

Independent Study

2 Semesters	Grade: 9-12
Prerequisite:	Teacher/Principal Approval
Credit:	.500 per semester
Grad. Req.:	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. Req.:	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 or teacher's aide 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. Req.:	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 no credit for the class as it is a pass/no pass class. 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. Req.:

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.

Horizon Christian High School

Three Track Graduation Requirements 2011 and Beyond

Subjects	Class of 2011			Class of 2012 and Beyond		
	Standard	College Prep	Scholar	Standard	College Prep	Scholar
Bible **1	3.5	3.5	3.5	3.5	3.5	3.5
Career Ed.	0.5	0.5	0.5	0.5	0.5	0.5
English	4.0	4.0	4.0	4.0	4.0	4.0
Math **2	3.0	3.0	4.0	3.0	3.0	4.0
Science **3	2.0	3.0	4.0	3.0	3.0	4.0
Soc. Sci. **4	3.0	4.0	4.0	4.0	4.0	4.0
Arts Prof/Tech	1.0	1.0	1.0	3.0	1.0	1.0
For. Language		2.0	3.0		2.0	3.0
Health	1.0	1.0	1.0	1.0	1.0	1.0
Physical Ed	1.0	1.0	1.0	1.0	1.0	1.0
Electives	7.0	5.0	2.0	3.0	5.0	2.0
Total Credits	26	28	28	26	28	28

