

Ocean View Christian Academy Course Syllabus

I. Basic Course Information

Course Title: Pre-Algebra	Room #: 206	Transcript Abbreviation:
Length of Course: 2 Semesters	Subject Area & Discipline: Math	
Pre-Requisites:	Course Credits/Designations:	

<p>OVCA Course Philosophy (Explanation of why we include this subject area in our course offerings): <i>The chief aim of all investigations of the external world should be to discover the rational order and harmony which has been imposed on it by God and which He revealed to us in the language of mathematics. Kepler, Johannes (1571-1630)</i></p>
<p>Course Goal (Description of what you will do and accomplish during the course): In Pre-Algebra instructional time will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.</p>
<p>List of Key Course Topics: Rational numbers, equations, proportions, similarity, linear and nonlinear functions, two- and three-dimensional space, and data sets</p>
<p>Course Materials, Supplies, & Technology: Glencoe Pre-Algebra textbook, three-ring binder, lined paper, graph paper, blue/black pen, pencil, red pen, and scientific calculator.</p>

<p>Primary Instructional Methods: Lecture, videos, participation, teamwork, and board work.</p>				
<p>Primary Student Activities: Note-taking, participation, group work, homework, and assessments</p>				
<p>Primary Assessment Methods: Homework, quizzes, tests, finals. Capstone Project/Key Projects:</p>				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> Alignment Notes: OVCA Academic Benchmarks- </td> <td style="width: 50%; border: none;"> Other OVCA Benchmarks- </td> </tr> <tr> <td style="border: none;"> Department Outcomes- </td> <td style="border: none;"> UC Course Components- </td> </tr> </table>	Alignment Notes: OVCA Academic Benchmarks-	Other OVCA Benchmarks-	Department Outcomes-	UC Course Components-
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II. Tentative Course Timeline

Course Overview/Snapshot (3-5 sentences on the course's content):

Timeframe-1st Quarter	Unit Name	Unit Topics	Basic Assessments/Tasks	Text Reference, Materials, Links
Weeks 1-9	Unit 1	Preparing for Pre-Algebra, the tools of algebra, operations with integers, operations with rational numbers	Homework, quizzes, tests, final	Chapters 0-3

Timeframe-2nd Quarter	Unit Name	Unit Topics	Basic Assessments/Tasks	Text Reference, Materials, Links
Weeks 10-18	Unit 1 and 2	Expressions and equations, multi-step equations and inequalities, proportions, similarity and percent	Homework, quizzes, tests, final	Chapters 4-7

Timeframe-3rd Quarter	Unit Name	Unit Topics	Basic Assessments/Tasks	Text Reference, Materials, Links
Weeks 19-27	Unit 3 and 4	Linear functions and graphing, powers and nonlinear functions, real numbers and right triangles	Homework, quizzes, tests, final	Chapters 8-10

Timeframe-4th Quarter	Unit Name	Unit Topics	Basic Assessments/Tasks	Text Reference, Materials, Links
Weeks 28-36	Unit 4 and 5	Distance and angle, surface area and volume, statistics and probability	Homework, quizzes, tests, final	Chapters 11-13

III. Course Policies

Academic Expectations

<p>Homework and Assignment Standards: All homework is mandatory and necessary for complete comprehension and preparation for future lessons. Homework is graded on completeness, neatness, and accuracy. Some assignments will be graded as quizzes.</p>	<p>Class Participation & Note-Taking: Note-taking is mandatory, and students should be prepared to work problems on classroom chalkboard.</p>
<p>Assignment Formatting: All assignment notes and homework will be dated, with page number and problem numbers written with answers circled.</p>	<p>Grading: Homework 20%, Quizzes 30 %, Tests 30%, Final exams 20%</p>
<p>Due Date Policies: Homework is graded daily. Partial work may receive a 50%, while late or missing homework will receive a grade of zero.</p>	<p>Materials Maintenance/Other:</p>

Class Procedures

<p>At the start of class: Begin Bell Work on homework assignment sheet.</p>	<p>When you have been absent: All comprehension of lessons is the sole responsibility of each student. Students should utilize help-class after school, fellow students, lesson videos (Khan Academy, YouTube...), or tutors to assist in catching up on missed lessons or keeping up on current lessons.</p>
<p>At the end of class: Double check homework assignment is notated correctly.</p>	<p>Coming to attention: Be attentive and no speaking without permission.</p>
<p>Turning in assignments:</p>	<p>Other:</p>

Learning Environment

<p>Speaking in Turn:</p>	<p>Food and Drink Policies:</p>
<p>Class Worktimes:</p>	<p>Electronics/Devices:</p>

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Resources

Teacher Contact Info.:	Help Class Info.:
Other:	Other:

Parent Signature: _____ *Parent Name:* _____ *Date:* _____

Student Signature: _____ *Student Name:* _____ *Date:* _____