

**VENTURA HIGH EXPECTED CLASSROOM LEARNING RESULTS  
(ECLRs)**

**COURSE: GEOMETRY HONORS AND TRIGONOMETRY**

**PROGRAM AREA:** MATHEMATICS

**TEACHER:** MRS. de LEON-EGGERTSEN

Phone: 805-641-5116 ext 1161

Email: jeggertsen@vtusd.k12.ca.us

**PRIMARY ESLR - B2.** Develop solutions to problems based on justifiable rationale.

**B3.** Combine and apply higher order thinking skills to processes and competencies.

<p><b><u>COURSE DESCRIPTION</u></b></p>	<p><i>Semester 1 and Part of Semester 2: Geometry</i> The mathematics of the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Geometry has far reaching uses in all areas of engineering, medicine, science, astronomy, sports, construction, art, graphic design, computer programming and many other fields. <i>Semester 2: Trigonometry</i> Trigonometry is a deeper and a more specialized study of right triangles and their application. We will explore the relationships between the trig functions, derive trig identities, graph trig functions, and solve geometric problems using Algebra and trig processes.</p>
<p><b><u>TEACHER STATEMENT:</u></b></p>	<p>Welcome to Geometry. My goal as a teacher is more than just teach the material. It has to make sense to you. Not only will we learn many math related topics, but also we will learn to enjoy mathematics.</p>
<p><b><u>GOALS OF THE COURSE</u></b></p>	<p>By the end of the course, student will be able to:</p> <ul style="list-style-type: none"> <li>• Identify the many vocabulary terms used in geometry.</li> <li>• Identify and prove congruent and similar triangles.</li> <li>• Explore circles and their properties as well as their relationship to triangles.</li> <li>• Use the proper equipment and procedures to draw geometrical shapes.</li> <li>• Find the perimeter and area of certain 2-dimensional figures.</li> <li>• Find the surface area and volume of certain 3-dimensional objects.</li> <li>• Use common trig functions to solve geometry problems.</li> <li>• Derive and manipulate trig functions algebraically.</li> </ul>
<p><b><u>READING/WRITING COMPONENTS</u></b></p>	<ul style="list-style-type: none"> <li>• Some assignments will require students to explain in writing how they got their answers.</li> <li>• Some assignments will be in the form of word problems. Students will need to read and understand the problems in order to translate them to mathematical terms and solve them.</li> <li>• Students will be expected to use proper sentence structure in their written work.</li> </ul>
<p><b><u>MATERIAL/RESOURCES</u></b></p>	<ul style="list-style-type: none"> <li>• Geometry Textbook: <i>Geometry</i> (Orange) by Jurgensen, Brown and King</li> <li>• Trigonometry Textbook: <i>Trigonometry</i>, Fourth Edition by McKeague</li> <li>• See Supply List</li> </ul>
<p><b><u>CLASS RULES</u></b></p>	<p><b>ACTIONS OR BEHAVIOR THAT INTERFERES WITH OTHERS' RIGHT TO LEARN WILL NOT BE TOLERATED.</b> <b>STUDENTS WILL RESPECT EQUIPMENT, PEER, AND TEACHERS.</b> <b>STUDENTS ARE EXPECTED TO WORK AND STUDY THE ENTIRE CLASS</b></p>
<p><b><u>CLASS ATTENDANCE</u></b></p>	<p>(See Attendance Policy in Student Handbook.) Regular attendance is essential. Cuts, truancy, suspensions and removal from class will adversely affect student's grade.</p>

<p><b><u>CLASS HOMEWORK POLICY</u></b></p>	<p>Each homework assignment is worth 3 points. Homework will be assigned nearly every day, including weekends. Most days, homework is started and sometimes even finished in the classroom. Homework will be corrected the following day. Students will also be expected to take part in showing how to do problems and explaining their reasoning to their classmates. Absence does not excuse you from submitting homework so please turn in missed homework as soon as possible.</p>
<p><b><u>METHODS OF EVALUATION</u></b></p>	<p>Your grade is based on the total number of points earned for all tests, quizzes, assignments, warm-ups, notebook and participation.  All letter grades will be based on the following scale:  A – 90% or above  B – 80% to 89%  C – 70% to 79%  D – 60% to 69%  F – 59% or below  Homework, class work, warm-ups, notebook, participation = <b>20%</b>  Quizzes = <b>20%</b>  Tests = <b>60%</b></p>
<p><b><u>SPECIAL PROJECT DUE:</u></b></p>	<p>Several projects will be assigned during the year. Some will be assigned where each person turns in a finished independent product, others will require the efforts of several students to complete as a group</p>
<p><b><u>GENERAL DIRECTIONS FOR ASSIGNMENTS IN THE TEXTBOOK:</u></b></p>	<ul style="list-style-type: none"> <li>• Work in pencil.</li> <li>• Be neat.</li> <li>• Write a full heading: First and last name, period, date, and assignment label.</li> <li>• Show your work and describe what you are doing.</li> <li>• You will get some credit for trying, even if the answer may not be correct.</li> <li>• Box or circle your final answers.</li> </ul>