

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

COURSE: GEOMETRY

PROGRAM AREA: MATHEMATICS	TEACHER: MR. BILLER PRESTON.BILLER@VENTURAUUSD.ORG 805-641-5116 EXT. 2159
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DEPARTMENT GOAL STATEMENT: Students will master the major concepts and skills of geometry: basic geometric shapes and their properties, proofs, transformation, areas and volumes of 3D shapes and basic trigonometric functions. Students will reason, invent, and construct knowledge in order to achieve a level of understanding that enables to know how, why and when to apply their mathematical learning.

PRIMARY ESLR - B2. Develop solutions to problems based on justifiable rationale.
B3. Combine and apply higher order thinking skills to processes and competencies.

<u>COURSE DESCRIPTION:</u>	Geometry is the study of shapes. Geometry has far reaching uses in all areas of engineering, medicine, science, astronomy, sports, construction, art, graphic design, computer programming and many other fields. We will explore the fundamentals of geometry with an emphasis on triangles. Triangles are the simplest polygons and the most popular with many interesting and intriguing properties. We will also explore other shapes and will learn how to prove certain statements.
<u>TEACHER STATEMENT:</u>	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.
<u>GOALS OF THE COURSE:</u>	By the end of the course, student will be able to: <ul style="list-style-type: none"> • Identify the many vocabulary terms used in geometry. • Identify and prove congruent and similar triangles. • Explore circles and their properties as well as their relationship to triangles. • Use the proper equipment and procedures to draw geometrical shapes. • Find the perimeter and area of certain 2-dimensional figures. • Find the surface area and volume of certain 3-dimensional objects • Explore other geometric shapes and their properties. • Identify various transformations.
<u>READING/WRITING COMPONENTS:</u>	<ul style="list-style-type: none"> • Some assignments will require students to explain in writing how they got their answers. • 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. • Students will be expected to use proper sentence structure in their written work.
<u>MATERIAL and RESOURCES:</u>	Text: <u>Geometry</u> , McDougal Littell. Worksheets Teacher-created supplemental materials The Internet Each student is required to bring the following materials to class everyday: <ul style="list-style-type: none"> • Textbook • A three-ring binder with lined paper and graph paper • Several pencils and an eraser

<p><u>CLASS RULES:</u></p>	<p>1. FOLLOW <u>ALL SCHOOL RULES</u></p> <p>2. ALWAYS SHOW <u>RESPECT</u></p> <p>3. COME <u>PREPARED TO LEARN</u></p> <p>4. <u>ASK PERMISSION</u></p> <p>5. BE IN YOUR SEAT <u>BEFORE THE BELL RINGS</u></p> <p>6. <u>NO IPODS, CELL PHONES (OTHER ELECTRONICS), FOOD, DRINKS, OR GUM.</u></p> <p>Note: I use the 3-strikes Rule. Failure to follow the class rules will result in 1) a warning and/or detention; 2) a parent phone call, conference, and/or detention; 3) a referral.</p>
<p><u>CLASS ATTENDANCE:</u></p>	<p>Class attendance policy follows the VHS attendance policy - see student handbook. Good attendance is required to succeed in this course.</p> <p>If you are absent, you are responsible for making up any class work, homework, tests, and quizzes. You are to turn in any missed assignments within the number of days you were absent. Homework that was due the day you were absent if due the day you return to class. It is your responsibility to get all notes from a classmate. If you miss a test or quiz, you can make it up before or after school, or during lunch by appointment. You have one week to make up a missed quiz or test.</p>
<p><u>CLASS HOMEWORK POLICY:</u></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.</p>
<p><u>METHODS OF EVALUATION:</u></p>	<p>All letter grades will be based on the following scale: A – 90% or above B – 80% to 89.9% C – 70% to 79.9% D – 58% to 69.9% F – 57.9% or below</p> <p>Homework, class work, warm-ups, participation, projects = 25% Tests and Quizzes = 75%</p> <p>Test will be announced at least 2 days before the test date. Makeup test due to excused absence will be made up at a time we agree on. Quiz will be given frequently and may be given unannounced.</p>
<p><u>SPECIAL PROJECT DUE:</u></p>	<p>Several projects may 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><u>GENERAL DIRECTIONS FOR ASSIGNMENTS IN THE TEXTBOOK:</u></p>	<ul style="list-style-type: none"> • Work in pencil only. Work done in pen will not be accepted. No exceptions. • Be neat. • Write a full heading: First and last name, period, date, and assignment label. • 3 parts to homework: Problem, Solution and Boxed Answer. • You will get some credit for trying, even if the answer may not be correct.