

VENTURA HIGH EXPECTED CLASSROOM LEARNING RESULTS (ECLRs)

COURSE: ALGEBRA 1

PROGRAM AREA: MATHEMATICS	TEACHER: MR. P. CHAMAA
DEPARTMENT GOAL STATEMENT: Students will master the major concepts and skills of mathematics: number, measurement, geometry, patterns and functions, statistics and probability, logic and algebra. 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>	Algebra 1 is where mathematics start to get serious. Letters start replacing numbers and we explore what we can and cannot do with those letters, and why. We also look at real life problems and find their solutions using the algebraic methods presented.
<u>TEACHER STATEMENT:</u>	Welcome to high school mathematics. 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 to learn to enjoy mathematics. Come and see me in room 57 during break, at lunch or after school any day if you have any questions, or just want to talk, complain or vent. Or you can send me an email at pchamaa@venturausd.org.
<u>GOALS OF THE COURSE</u>	By the end of the course, students will be able to: <ul style="list-style-type: none"> • Manipulate numbers and letters using the usual operations. • Factor, simplify expand and solve polynomials. • Graph functions and find solutions graphically. • Work with fractions where the numerator and denominator are polynomials. • Perform operations with irrational numbers. • Use the quadratic formula.
<u>READING/WRITING COMPONENTS</u>	<ul style="list-style-type: none"> • Some assignments will require students to explain in writing how they obtain their answers. Some answers are not necessarily numeric in nature. • 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.

<p><u>MATERIAL and RESOURCES</u></p>	<ul style="list-style-type: none"> • A three-ring binder, lined and graph paper. • A pencil, preferably mechanical. An eraser. • A ruler, 20 cm long or more. • A calculator preferably a TI30X II S • Textbook: McDougal Littell Algebra I by Larson, Boswell, Kanold and Stiff. • Your Agenda
<p><u>CLASS RULES</u></p>	<p>There are 8 simple rules. They are:</p> <ol style="list-style-type: none"> 1. Be here 2. Be punctual. 3. Be prepared. 4. Be responsible. 5. Be efficient. 6. Be proactive. 7. Be appropriate. 8. Be nice. <p>Each student will be asked to sign a contract with the teacher describing the commitment made by each. A parent will sign as a witness.</p>
<p><u>CLASS ATTENDANCE</u></p>	<p>Be here. School rules with respect to attendance are strictly enforced. Check your agenda.</p>
<p><u>CLASS HOMEWORK POLICY</u></p>	<p>Homework will be assigned regularly, will be collected when due and will contribute to 20% of your grade. Late work is not accepted. Extra credit will only allowed to those who have completed their regular credit. It may not be used as a make-up for missed work.</p>
<p><u>METHODS OF EVALUATION</u></p>	<ul style="list-style-type: none"> • Tests: 50% • Quizzes: 20% • Homework: 20% • Class Participation: 10%
<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. • Be neat. • Write a full heading: First and last name, period, date due, and assignment label. • Show your work and describe what you are doing. • You will get some credit for trying, even if the answer may not be correct.