

**Analytical Algebra 1**  
**COURSE GUIDELINES**  
**EVERGREEN HIGH SCHOOL**

**INSTRUCTOR:** Melissa Archey  
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**TEXT:** Mathematical Connections (available in the classroom)

**REQUIRED MATERIALS:** TI-83 Plus, 84, or 84 Plus (The TI-84 will serve you best)  
Pencils/Pen  
Large 3 Ring or Spiral Notebook  
Paper  
Graph Paper

**COURSE DESCRIPTION:**

Analytical Algebra 1 is a course designed to actively engage students in guided and open-ended mathematical investigations directly related to real world problem solving. We will begin with the study of properties and operations of the real number system, applications of proportional reasoning, solving and graphing first degree equations, inequalities and systems of linear equations. Students generate equivalent expressions, use formulas to solve problems, simplify and factor polynomials and solve simple quadratic equations. You may also be expected to reinforce classroom learning by watching the lesson videos available. Calculators will be utilized to explore concepts and as a tool for understanding.

**GRADING POLICIES AND PROCEDURES:**

Learning Experience 45%	A = 90 – 100%
Assessments 45%	B = 80 – 89.99%
Final Exam 10%	C = 70 – 79.99%
	D = 60 – 69.99%
	F = 59.99% or below

If you have an excused absence, you are allowed two days for every absence to make up work. This is **your responsibility** and must be taken care of during access or after school . . . not during class or passing period. Should you have an unexcused absence, the above policy applies; however, you will receive one grade reduction for the first two unexcused absences and two letter grade reductions for unexcused absences thereafter as described by the [Code of Conduct](#).

Test corrections will be offered to a maximum of 80%, but be prepared on test day as the corrections can be time consuming. All test corrections will be required to be completed outside of class time before or after school. A structured format will be provided in order to complete all test corrections. One-page note (front and back) will be allowed on all quizzes or tests. I will make you aware of formulas that you may need to know for the assessment.

Daily classwork will be given to provide each student with practice and feedback. Should you not complete the work in class, you may be asked to finish the work on your own time. In order to receive full credit for these assignments, all work must be shown. Students who habitually do not complete the daily classwork may receive mandatory access or detention.

Inappropriate use of cell phones or electronic devices will have consequences. I will confiscate anything that blings, beeps, chimes, or otherwise sounds off during class to be returned at the end of class. If this is a persistent problem, I will confiscate the device to be turned in to the appropriate authorities. Texting and the use of cell phones or electronic devices (calculators are an exception) during an assessment will be considered cheating. It is strongly suggested you leave your cell phones or electronic devices in your locker during an assessment.

In order to receive full credit for participation, students must bring all materials to class including a calculator. Unexcused absences and tardiness will impact your participation grade. To avoid being marked tardy, students should be in their seats with their supplies and textbooks ready to begin work when the bell rings. All students will strive to meet their educational needs and allow others to meet their needs as well.

### **OTHER EXPECTATIONS:**

1. Get help as early as possible if you are struggling
2. Remain seated until the end of class
3. Treat the teacher, our school, and other students with respect

The e-mail system is the preferred method of contact. In the message, please include your name, student's name and phone number where you can be reached between 7:15 AM and 3:15 PM.

*Please sign and return indicating you have read and understand the Algebra Course Guidelines and requirements.*

Student's printed name: \_\_\_\_\_

Student's signature: \_\_\_\_\_

Parent's signature: \_\_\_\_\_

Date: \_\_\_\_\_

Class Period: \_\_\_\_\_