

Algebra 1
Course Syllabus
Mr. Brizek

Course Description

This course will focus on Washington State Mathematics Benchmarks. The student will understand and apply the concepts and procedures of mathematics. The student will use mathematics to define and solve problems. The student will use mathematical reasoning. The student will communicate knowledge and understanding in both everyday and mathematical language. The student will understand how mathematical ideas connect within mathematics, to other subject areas, and real-life applications.

After completing this class, students will be proficient in the following Essential Academic Learning Requirements (EALR):

✦ *NUMBER SENSE* (1.1.1 - 1.1.9):

Solve problems using whole numbers, fractions, decimals, ratios, proportions, percents, and integers.

✦ *GEOMETRIC SENSE & MEASUREMENT* (1.2.1 - 1.2.3, 1.2.6 - 1.2.8)

Develop an understanding of vocabulary and concepts related to beginning geometry. Convert and use metric and customary systems.

✦ *ALGEBRAIC SENSE* (1.5.1 - 1.5.6, 1.2.6):

Develop an understanding of pre-algebra concepts related to variables, expressions, patterns, equations, and inequalities.

✦ *PROBABILITY & STATISTICS* (1.4.1 - 1.4.9):

Identify, predict, and make inferences related to problems using statistics and probability.

Conduct experiments, collect, organize and display data using multiple plotting styles.

✦ *PROBLEM SOLVING:*

Solve problems and reason logically (2.1 - 2.3, 3.1 - 3.3).

Communicate understanding (4.1 - 4.3).

Make connections to real-world situations. (5.1 - 5.3).

For further information on the Washington State EALR's, refer to www.k12.wa.us.

Materials

This course uses the [Algebra 1: Prentice Hall Mathematics](#). This text is available online at www.phsuccessnet.com. Students will register and receive password codes for the online text during the first week of the school year. Calculators are allowed to be used in class where appropriate. **Students should have a pencil, paper, textbook, planner, & red correcting pen daily.**

Course Outline

The Algebra 1 course will cover the following information:

September	October	November	December	January
Problem Solving Strategies Number Sense & Pre-Algebra Review	Rules of Algebra Square Root & Exponents	Linear Equations	Graphing Linear Equations	Writing Linear Equations
February	March	April	May	June
Solving & Graphing Linear Inequalities	Solving Systems of Linear Equations	Polynomials & Factoring	Using Proportions & Rational Equations	Statistics/Data Analysis

Grading

Standard grading scale

	93-100	A	90-92	A-	
88-89	B+	83-87	B	80-82	B-
78-79	C+	73-77	C	70-72	C-
68-69	D+	60-67	D	0-59	F

Grades will be calculated on the following scale:

15%	Citizenship
20%	Homework, daily work, journaling, vocabulary
65%	Quizzes, tests, & final unit projects

Students successfully completing Algebra 1 move on to *Geometry* in 9th grade.

Homework

Students should expect homework 4-5 days per week. There will be no homework on testing days. Late homework will **not** be accepted. Math Lab (homework help) is available to all students after school on Monday through Friday from 2:30-3:00. Students needing help are *strongly encouraged* to attend.

Contact Information

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