

Grade Level:	Middle School/High School
Class Title:	Algebra
Subject:	Math
Class Description:	This course will introduce students to the fundamentals of algebra. Algebra 1 is a full-year class that will include a study of operations on signed numbers, linear equations and inequalities, properties of polynomials, graphing linear equations and inequalities, and an introduction to absolute value. The second half of the course involves solving systems of equations, polynomials in more than one variable, radicals and radical expressions, rational algebraic expressions, and a brief introduction to quadratic equations. The foundations of algebra and its relationship to geometry will also be explored. An introduction to various principles of probability will be studied as well. This class will work toward one or more of the Washington State K-12 Learning Standards for Mathematics. This will be a year-long class, spanning the 2022-2023 school year. The estimated instructional hours for this class are ____per week. State Cedars Code: 02053 This remote class is overseen by Karen Bennett.
Learning Materials:	List all materials.
Learning Goals/ Performance Objectives:	Interpret the structure of expressions Write expressions in equivalent forms to solve problems Perform arithmetic operations on polynomials Understand the relationship between zeros and factors of polynomials Use polynomial identities to solve problems Rewrite rational expressions Create equations that describe numbers or relationships Understand solving equations as a process of reasoning and explain the reasoning Solve equations and inequalities in one variable Solve systems of equations Represent and solve equations and inequalities graphically Understand and evaluate random processes underlying statistical experiments Make inferences and justify conclusions from sample surveys, experiments, and observational studies Use the rules of probability to compute probabilities of compound events in a uniform probability model

	A team of certificated teachers who are highly qualified in this subject matter has reviewed this WSLP. This is just a sample of learning goals. Other learning goals are available to view by going to OSPI's website. https://www.k12.wa.us/student-success/learning-standards-instructional-materials
Learning Activities:	Student will complete Study, Discussion, Activity and a Quiz for each section in a unit and then will complete a unit exam. Activities are based on a student earning a min. of 70% or better in each activity.
Progress Criteria/ Methods of Evaluation:	The student will cover all topics and be assessed with a variety of materials ranging from tests, quizzes, homework assignments, discussions, and frequent formative assessments. These assessments can be made by the parents and/or online tools. The student will keep a portfolio of weekly work samples and any written assessments to present to consultant at face-to-face meetings each month. Monthly assessments will be completed by the consultant/certified teacher. Monthly Progress will be marked satisfactory or unsatisfactory based on the professional judgment of the certified teacher using parent input, work samples, and monthly assessments.