Pre-Algebra CURRICULUM MAP				
Pleasant Hill High School		School Year: 2021-2022	Teacher: Mrs. Arnold	
		Content	Skills	Assessment
1st & 2nd Quarter	August	• Variables and Expressions • Solving Equations by Adding, Subtracting, Multiplying, Dividing	• Writing Algebraic Expressions • Identify Solutions and solve one-step equations	• Practice, review, guided notes
	September and October	• Solving Simple Inequalities • Combining LIke Terms • Ordered Pairs • Graphing on a Coordinate Plane • Interpreting Graphs and Tables	• Solve one-step whole number inequalities. • Make connections between linear functions and equations and graphs. • Make a graph and interpret.	• Practice, review, guided notes • Chapter 1 Test
	November and December	• Add, subtract, multiply, divide integers. • Solving Equations containing integers • Exponents and properties of exponents • Patterns in Integer Exponents • Scientific Notation	• Identify, graph, compare, and order integers, and determine absolute value. • Express large numbers in scientific notation • Evaluate expressions with exponents (including negative and zero) • Apply properties of exponents	• Chapter 2 test
3rd Quarter	January and February	• Rational Numbers, Adding and Subtracting rational numbers • Multiplying and Dividing Rational Numbers • Adding and subtracting with unlike denominators • Solving Equations with Rational Numbers • Solving Inequalities with Rational Numbers • Squares and Square roots, finding square roots • Real Numbers	• Write Equivalent rational numbers • Apply all operations to decimals and rational numbers • Estimate and find square roots and solve problems involving square roots • Determine whether a number is rational or irrational	• Chapter 3 test
	March and	• Points, lines, planes, and angles	• Classify and draw plane	• Chapter 5 test

	April	• Parallel and Perpendicular lines • Triangles • Polygons • Coordinate Geometry • Congruence • Transformations • Symmetry	figures • Understand and use angle relationships and line relationships • Identify polygons in a coordinate plane and find unknown angle measures in polygons • Describe and show geometric transformations, symmetry	
4th Quarter	April and May	• Relating decimals, fractions, percents • Finding percents • Finding a number when the percent is known • Percent increase and decrease • Estimating with percents • Applications of Percents	• Write equivalent percents, decimals, and fractions • Estimate percents, and find the missing value in a percent problem. • Find the percent increase or decrease and solve percent problem involving commission or taxes • Find the amount of simple or compound interest	Chapter 8 test
	End of Year (if time allows)	• Perimeter and Area of Rectangles and Parallelograms • Perimeter of Area of triangles and trapezoids • The Pythagorean theorem • Circles • Drawing Three Dimensional Figures • Volume of Prisms and Cylinders • Volume of Pyramids and Cones	• Describe figures by using the terms of geometry • Name, measure, classify, estimate, and draw angles, understand line and angle relationships • Find perimeter or circumference and area of rectangles, parallelograms, triangles, trapezoids and circles. • Use the Pythagorean Theorem and its converse to solve problems. • Draw and ID parts of 3D figures	