

Expectations and Outcomes

Grade Level/Course: 9

Content Area: Math

Unit Title	Guarantees
Unit 1: Integer Operations	<ul style="list-style-type: none"> • Students will use positive and negative integers in basic operations • Apply integers to problem solving • Students will use integers to accurately plot or identify points on a coordinate plane
Unit 2: Data Analysis and Probability	<ul style="list-style-type: none"> • Gather and display data appropriately • Calculate and interpret measures of center • Conduct a survey and explain the results statistically, graphically, and written form
Unit 3: Solving Equations	<ul style="list-style-type: none"> • Students will solve for one-step equations using addition, subtraction, multiplication, and division. • Substitute integer values into an expression and evaluate the expression. • Convert words to symbols and symbols to words. • Use the distributive property • Combine like terms
Unit 4: Multi-Step Equations and Inequalities	<ul style="list-style-type: none"> • Solve 2-step equations • Solve equations with variables on both sides • Solve and graph a simple inequality
Unit 5: Factors, Fractions, and Exponents	<ul style="list-style-type: none"> • Find factors of a number • Write the prime factorization of a number • Basic exponent rules • Find the greatest common factor • Write and identify equivalent fractions • Find the Least Common Multiple • Writing numbers using the powers of 10 (Scientific Notation)
Unit 6: Rational Numbers and Ratios	<ul style="list-style-type: none"> • Represent parts as a fraction • Order rational numbers • Convert fractions to decimals and vice versa.

Unit Title	Guarantees
Unit 7: Applied Ratios	<ul style="list-style-type: none"><li data-bbox="730 245 1171 272">• Add/Subtract/Multiply/ fractions<li data-bbox="730 285 1150 313">• Express a relationship as a ratio<li data-bbox="730 326 884 354">• Unit rate