Payette School District #371



□□Solves multi-step equations including

□□Solves systems of linear equations.

rational coefficients.

McCain Middle School Curricular Map



Math Curriculum Grade Eight

Grade 8 Math Grade 8 Math The Number System The Number System Identifies angle congruency when parallel lines are □ Knows that there are numbers that by transversals. are not rational, and approximates them □□Knows that there are numbers that are not by rational numbers. rational, and approximates them by rational □Understands and applies the Pythagorean numbers. heorem. □ □ Locates square roots on number line □□Locates square roots on number line and and approximates their value. □Applies the converse of the Pythagorean Theorem. approximates their value. □Uses the Pythagorean Theorem to solve problems Ivolving 2 and 3-dimensional figures. **Expressions and Equations Expressions and Equations** □ Applies the Pythagorean Theorem to find a stance □ □Works with radicals and integer □□Works with radicals and integer exponents. between two points on coordinate grid. exponents. □□Converts between standard and scientific □Solves real-world and mathematical problems □□Converts between standard and Ivolving volume of cylinders, cones and spheres. notation. scientific notation. □ Performs operations with scientific tatistics and Probability notation. □ Performs operations with scientific Investigates patterns of association in bivariate data. notation. □ Performs operations with integer □Constructs and interprets scatter plots. exponents. □ Performs operations with integer exponents. □ □ Understands the connections between □Uses linear model to represent data (line of best fit) proportional relationships, lines, and linear nd to solve problems. equations. □ □ Understands the connections □Analyzes frequency and relative frequency, and between proportional relationships, lines, □ Understands unit rate as it relates to slope, reates two-way tables to represent distribution. and linear equations. y = mx + b. □ Understands unit rate as it relates to □ □ Understands what the relationship of m slope, and the b are in the equation. y = mx + b. □□Analyzes and solves linear equations and □ Understands what the relationship of m pairs of simultaneous linear equations. and the b are in the equation. □□Solves problems that include one solution. □□Analyzes and solves linear equations and no solution, and infinitely many solutions. pairs of simultaneous linear equations. □ Solves multi-step equations including □ Solves problems that include one solution, rational coefficients. no solution, and infinitely many solutions. □□Solves systems of linear equations.