Year-At-A-Glance
8th Grade Math

Bentonville Schools

Quarter 1	Quarter 2
Key Ideas • Rigid transformations • Properties of rigid transformations • Congruence • Dilations • Similarity • Slope **Essential Standards** 8.GM.10 **Key Concepts** 8.GM.6, 8.GM.7, 8.GM.8, 8.GM.9, 8.GM.10, 8.GM.11, 8.FN.2	**Key Ideas** • Proportional relationships • Representing linear relationships • Finding slopes • Linear equations • Linear equations in one variable • Linear inequalities in one variable **Essential Standards** 8.ALG.1, 8.FN.1, 8.ALG.2 **Key Concept** 8.ALG.1, 8.FN.1, 8.FN.2, 8.GM.6, 8.ALG.2
Quarter 3	**Quarter 4**
Key Ideas • System of linear equations • Inputs and outputs • Representing and interpreting functions • Cylinders and cones • Dimensions and spheres • Exponent rules • Scientific notation **Essential Standards** 8.NCC.3, 8.FN.4, 8.FN.6 **Key Concepts** 8.ALG.3, 8.FN.3, 8.FN.4, 8.FN.5, 8.FN.6, 8.NCC.3, 8.NCC.6	**Key Ideas** • Side lengths and areas of squares • Pythagorean theorem • Side lengths and volumes of cubes • Decimal Representation of Rational and Irrational Numbers • Associations in Numerical Data • Associations in Categorical Data • Probabilities of Compound Events **Essential Standards** 8.NCC.3, 8.FN.7 **Key Concepts** 8.NCC.3, 8.NCC.7, 8.FN.7, 8.GM.4, 8.GM.5