

8th Grade Math Pacing
RUJH

Unit	Topics
Numbers and operations	Repeating decimals Square roots & cube roots Irrational numbers Approximating irrational numbers: Exponents with negative bases Exponent properties intro Negative exponents Exponent properties (integer exponents) Working with powers of 10 Scientific notation intro Arithmetic with numbers in scientific notation Scientific notation word problems
Solving equations with one unknown	Equations with variables on both sides Equations with parentheses Number of solutions to equations Equations word problems
Linear equations and functions	Graphing proportional relationships Solutions to linear equations Intercepts Slope Intro to slope-intercept form Graphing slope-intercept form Writing slope-intercept equations Functions Linear models Comparing linear functions Constructing linear models for real-world relationships Recognizing functions Linear and nonlinear functions
Systems of equations	Intro to systems of equations Systems of equations with graphing Solving systems with substitution Number of solutions to systems of equations Systems of equations word problems
Geometry	Angles between intersecting lines Triangle angles Pythagorean theorem Pythagorean theorem application Pythagorean theorem and distance between points Pythagorean theorem proofs Volume
Geometric transformations	Transformations intro Translations Rotations

8th Grade Math Pacing
RUJH

	Reflections Properties & definitions of transformations: Dilations Congruence and similarity
Data and modeling	Introduction to scatter plots Interpreting scatter plots Estimating lines of best fit: Data and modeling Two-way tables