

Eighth Grade Math Curriculum Map

Themes: Patterns, Sequences and Permutations

Areas of Focus:

1. Numbers and Operations-review/extension
2. Percent, Ratio, and Proportion
3. Geometry and Measurement
4. Integers

Content Standard	Trimester	Skills/Concepts	Assessment
Number and Number Sense Computation Data	First	Review Fractions, Decimals and Percent conversions. Ratios and Proportions Parallel Lines cut by a Transversal Box and Whiskers Plot/ Review of data representations NECAP released items	Class observations (F) Quizzes (F/S) Project (F)
Geometry	First	Surface Area and Volume of Geometric Solids	Class Observations (F) Quizzes (F/S) Test (S) Project (F)
Algebra Equations	First	Solving equations and inequalities with whole numbers and positive fractions	Class Observations (F) Quizzes (F/S) Test (S) Hands on Equations (F)

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Numbers Operations Algebra	Second	Absolute Value Ordering Integers Integer Operations Solving Equations and Inequalities with Integers	Class Observations (F) Quizzes (F/S) Test (S)
Algebra	Second	Introduction to Functions Multiple Representations (Tables, Graphs, Equations) Slope/Slope-Intercept Form Graphing Linear Functions	Class Observations (F) Quizzes (F/S) Linear Equation Relay (F) Test (S)
Number Sense	Third	Squares and Square Roots Estimating Square Roots	Class Observations (F) Quiz (F/S)
Geometry	Third	Review Parallel Lines and Transversal Similar Shapes Pythagorean Theorem	Class observations (F) Quizzes (F/S) Tests (S) Performance Project (F)
Number and Number Sense Computation Algebra Equations	Third	Review Solving Equations Review Fraction, Decimal and Percent Conversions Review Integers and Integer Operations	Class observations (F) Quizzes (F/S) Tests (S)