



Semester 1

Term 1

- **Numbers and Operations**
 - Real Number Relationships
 - Order Real Numbers
 - Irrational Numbers
 - Square Roots
 - Scientific Notation
- **Expressions, Equations, and Relationships**
 - One-variable, Two-Step Equations, and Inequalities with Variables on Both Sides
 - Solving, Writing, and Modeling
- **Proportionality**
 - Rates of Change
 - Slope
 - Graph Proportional Relationships
 - Linear Proportional and Non-Proportional Relationships
 - Tables, Equations, and Graphs
 - Direct Variation

District Grade 8 Review and Benchmark

Term 2

- **Non-Proportional Relationships**
 - Solving Systems of Equations by Graphing
 - Linear Relationships Between Bivariate Sets of Data
 - Identify Functions
- **Measurement and Data**
 - Scatterplots and Trend Lines
 - Determine Mean Absolute Deviation
- **Expressions, Equations, and Relationships**
 - Parallel Lines Cut by a Transversal
 - Sum of the Angles of a Triangle

District Grade 8 Review and Semester Exam



Semester 2

Term 3

- **Two-Dimensional Shapes**
 - Congruency
 - Dilations
 - Similar Shapes
 - Translations, Rotations, Reflections on a Coordinate Plane
 - Scale Factor

 - **Expressions, Equations, and Relationships**
 - Pythagorean Theorem
 - Volume of Cylinders, Cones, and Spheres
 - Lateral and Total Surface Area of Prisms and Cylinders

 - **Personal Financial Literacy**
 - Simple Interest
 - Compound Interest
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Term 4

- **Personal Financial Literacy**
 - Investments for College and Retirement
 - Calculate Cost of Repaying a Loan
 - Payment Methods
 - Estimate Cost of College

STAAR Review and Grade 8 STAAR Test

Grade 8 Review and Semester Exam
