



## Semester 1

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### Term 1

- **Numbers and Operations**
  - Add, Subtract, Multiply and Divide Rational Numbers
    - Fractions, Decimals, Integers, Whole Numbers
- **Proportionality**
  - Unit Rates
  - Constant of Proportionality
  - Constant Rates of Change
    - Pictorial, Numeric, Tabular, Verbal, and Graphical

**District Grade 7 Review and Benchmark**

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### Term 2

- **Expressions, Equations, and Relationships**
  - One-Variable, Two-Step Equations and Inequalities
    - Solving, Writing, and Modeling
  - Linear Relationships
    - Verbal Descriptions
    - Tables, Graphs, and Equations
    - $y = mx + b$
- **Probability**
  - Simple and Compound Events
  - Experimental and Theoretical Probability
  - Qualitative and Quantitative Predictions
  - Sample Spaces and Tree Diagrams

**District Grade 7 Review and Semester Exam**

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## Semester 2

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### Term 3

- **Proportionality**
  - Measurement Conversions
  - Ratio, Rates, and Percents
  - Similarity
  - Scale Drawings
- **Geometric Concepts with Equations**
  - Angle Relationships
  - Circles
    - Circumference, Diameter, Radius,  $\pi$
  - Area of Circles and Composite Figures
  - Lateral and Total Surface Area
    - Rectangular and Triangular Prisms and Pyramids
  - Volume
    - Rectangular and Triangular Prisms and Pyramids
- **Measurement and Data**
  - Bar and Circle Graphs
  - Dot and Box Plots

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### Term 4

- **Measurement and Data**
  - Comparing Data
- **Personal Financial**
  - Sales and Income Tax
  - Simple Interest and Compound Interest
  - Incentives, Sales Rebates, and Coupons
  - Personal Budgets and Savings
  - Financial Assets and Liabilities

**STAAR Review and Grade 7 STAAR Test**

**Grade 7 Review and Semester Exam**

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