

5th Grade Everyday Mathematics Syllabus

Technology used: Promethean Board; 1-1 Chromebooks

Unit 1 Area and Volume

Standards for Mathematical Content

Operations and Algebraic Thinking

- Write and interpret numerical expressions

Measurement and Data

- Convert like measurement units within a given measurement system
- Geometric measurement: understand concepts of volume

Standards for Mathematical Practice

Construct viable arguments and critique the reasoning of others

Model with mathematics

Unit 2 Whole Number Place Value and Operations

Standards for Mathematical Content

Number and Operations in Base Ten

- Understand the place value system
- Perform operations with multi-digit whole numbers and with decimals to hundredths

Measurement and Data

- Convert like measurement units within a given measurement system

Standards for Mathematical Practice

Make sense of problems and persevere in solving them

Attend to precision

Unit 3 Fraction Concepts, Addition, and Subtraction

Standards for Mathematical Content

Number and Operations – Fractions

- Use equivalent fractions as a strategy to add and subtract fractions
- Apply and extend previous understandings of multiplication and division

Standards for Mathematical Practice

Use appropriate tools strategically

Look for and express regularity in repeated reasoning

Unit 4 Decimal Concepts; Coordinate Grids

Standards for Mathematical Content

Number and Operations in Base Ten

- Understand the place value system
- Perform operations with multi-digit whole numbers and with decimals to hundredths

Geometry

- Graph points on the coordinate plane to solve real world problems and mathematical problems

Standards for Mathematical Practice

Reason abstractly and quantitatively

Look for and make use of structure

Unit 5 Operations with Fractions

Standards for Mathematical Content

Number and Operations – Fractions

- Use equivalent fractions as a strategy to add and subtract fractions
- Apply and extend previous understandings of multiplication and division

Standards for Mathematical Practice

Construct viable arguments and critique the reasoning of others

Model with mathematics

Unit 6 Investigations in Measurement; Decimal Multiplication and Division

Standards for Mathematical Content

Number and Operations in Base Ten

- Understand the place value system
- Perform operations with multi-digit whole numbers and with decimals to hundredths

Measurement and Data

- Represent and interpret data

Standards for Mathematical Practice

Attend to precision

Look for and make use of structure

Unit 7 Multiplication of Mixed Numbers; Geometry; Graphs

Standards for Mathematical Content

Operations and Algebraic Thinking

- Analyze patterns and relationships

Number and Operations – Fractions

- Apply and extend previous understandings of multiplication and division

Geometry

- Classify two-dimensional figures into categories based on their properties

Standards for Mathematical Practice

Reason abstractly and quantitatively

Look for and express regularity in repeated reasoning