**Curriculum Map with Common Core Standards**

**Unit 1 - Algebraic Expressions and Integers**

**1-1 Place Value**

CCSS.MATH.CONTENT.6.NS.C.7

**1-2 Variables and Expressions**

CCSS.MATH.CONTENT.6.EE.A.2.A

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.8.EE.C.8.A

CCSS.MATH.CONTENT.8.EE.C.8.C

**1-3 The Order of Operations**

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.6.EE.A.3

CCSS.MATH.CONTENT.7.NS.A.3

CCSS.MATH.CONTENT.7.NS.A.1.D

CCSS.MATH.CONTENT.7.NS.A.3

**1-4 Writing and Evaluating Expressions**

CCSS.MATH.CONTENT.6.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.2

CCSS.MATH.CONTENT.6.EE.A.3

CCSS.MATH.CONTENT.6.EE.A.4

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.8.EE.A.1

**1-5 Integers and Absolute Value**

CCSS.MATH.CONTENT.6.NS.C.7

CCSS.MATH.CONTENT.6.NS.C.7.C

CCSS.MATH.CONTENT.6.NS.C.7.D

**1-6 Adding Integers**

CCSS.MATH.CONTENT.6.NS.B.3

CCSS.MATH.CONTENT.7.NS.A.1

**1-7 Subtracting Integers**

CCSS.MATH.CONTENT.6.NS.B.3

CCSS.MATH.CONTENT.7.NS.A.1

CCSS.MATH.CONTENT.7.NS.A.1.D

**1-8 Problem Solving: Rounding and Estimating**

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.EE.C.8.B

CCSS.MATH.CONTENT.8.NS.A.2

**1-9 Inductive Reasoning**

CCSS.MATH.PRACTICE.MP3

**1-10 Patterns**

CCSS.MATH.CONTENT.8.EE.B.5

CCSS.MATH.CONTENT.8.EE.B.6

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.SP.A.4

**1-11 Multiplying and Dividing Integers**

CCSS.MATH.CONTENT.6.NS.B.2

CCSS.MATH.CONTENT.6.NS.B.3

CCSS.MATH.CONTENT.7.NS.A.2

CCSS.MATH.CONTENT.7.NS.A.2.D

CCSS.MATH.CONTENT.7.NS.A.2.A

**1-12 The Coordinate Plane**

CCSS.MATH.CONTENT.6.NS.C.6

CCSS.MATH.CONTENT.6.NS.C.6.B

CCSS.MATH.CONTENT.6.NS.C.6.C

CCSS.MATH.CONTENT.6.NS.C.8

**Unit 2 - Solving One-Step Equations and Inequalities**

**2-1 Properties of Numbers**

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.7.NS.A.2.A

CCSS.MATH.CONTENT.8.EE.C.7.B

**2-2 The Distributive Property**

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.7.NS.A.2.A

CCSS.MATH.CONTENT.8.EE.C.7.B

**2-3 Simplifying Variable Expressions**

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.6.EE.A.3

CCSS.MATH.CONTENT.6.EE.A.4

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.7.EE.A.2

**2-4 Variables and Equations**

CCSS.MATH.CONTENT.6.EE.A.2

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.6.EE.B.7

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4

**2-5 Solving Equations by Adding or Subtracting**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.6.EE.B.7

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4

**2-6 Solving Equations by Multiplying or Dividing**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.7

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.8.EE.C.7

**2-7 Guess, Check, and Revise**

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.7.RP.A.1

**2-8 Inequalities and Their Graphs**

CCSS.MATH.CONTENT.7.EE.B.4.B

**2-9 Solving One-Step Inequalities by Adding or Subtracting**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.7.EE.B.4.B

**2-10 Solving One-Step Inequalities by Multiplying or Dividing**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.7.EE.B.4.B

**Unit 3 - Decimals and Equations**

**3-1 Rounding and Estimating**

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.EE.C.8.B

CCSS.MATH.CONTENT.8.NS.A.2

**3-2 Estimating Decimal Products and Quotients**

CCSS.MATH.CONTENT.7.NS.A.2.A

CCSS.MATH.CONTENT.7.NS.A.2.B

**3-3 Mean, Median, and Mode**

CCSS.MATH.CONTENT.6.SP.B.5.C

CCSS.MATH.CONTENT.7.SP.B.3

**3-4 Using Formulas**

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.6.G.A.2

CCSS.MATH.CONTENT.6.RP.A.3.B

CCSS.MATH.CONTENT.7.G.B.4

**3-5 Solving Equations by Adding or Subtracting Decimals**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.7.EE.B.4.B

**3-6 Solving Equations by Multiplying or Dividing Decimals**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.7.EE.B.4.B

**3-7 Using the Metric System**

CCSS.MATH.CONTENT.6.RP.A.3.D

**Unit 4 - Factors, Fractions, And Exponents**

**4-1 Divisibility and Factors**

CCSS.MATH.CONTENT.6.EE.A.2.B

CCSS.MATH.CONTENT.6.NS.B.2

CCSS.MATH.CONTENT.6.NS.B.4

**4-2 Exponents**

CCSS.MATH.CONTENT.6.EE.A.1

CCSS.MATH.CONTENT.6.EE.A.2.C

CCSS.MATH.CONTENT.8.EE.A.1

**4-3 Prime Factorization and Greatest Common Factor**

CCSS.MATH.CONTENT.6.NS.B.4

**4-4 Simplifying Fractions**

CCSS.MATH.CONTENT.6.NS.A.1

**4-5 Rational Numbers**

CCSS.MATH.CONTENT.6.NS.C.6

CCSS.MATH.CONTENT.6.NS.C.7.B

CCSS.MATH.CONTENT.6.NS.C.7

CCSS.MATH.CONTENT.7.NS.A.1

CCSS.MATH.CONTENT.7.NS.A.1.A

CCSS.MATH.CONTENT.7.NS.A.1.B

CCSS.MATH.CONTENT.7.NS.A.1.C

CCSS.MATH.CONTENT.7.NS.A.1.D

CCSS.MATH.CONTENT.7.NS.A.3

**4-6 Irrational Numbers**

CCSS.MATH.CONTENT.8.NS.A.1

CCSS.MATH.CONTENT.8.NS.A.2

**4-7 Exponents and Multiplication**

CCSS.MATH.CONTENT.8.EE.A.1

CCSS.MATH.CONTENT.8.EE.A.2

**4-8 Exponents and Division**

CCSS.MATH.CONTENT.8.EE.A.1

CCSS.MATH.CONTENT.8.EE.A.2

**4-9 Scientific Notation**

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.EE.A.4

**4-10 Cube Roots**

**Unit 5** - **Operations with Fractions**

**5-1 Comparing and Ordering Rational Numbers**

CCSS.MATH.CONTENT.6.NS.C.7

CCSS.MATH.CONTENT.6.NS.C.7.B

CCSS.MATH.CONTENT.6.NS.C.7.C

CCSS.MATH.CONTENT.6.NS.C.7.D

CCSS.MATH.CONTENT.7.NS.A.2

**5-2 Fractions and Decimals**

CCSS.MATH.CONTENT.7.NS.A.2.D

CCSS.MATH.CONTENT.7.RP.A.1

**5-3 Adding and Subtracting Fractions**

CCSS.MATH.CONTENT.7.NS.A.1

CCSS.MATH.CONTENT.7.NS.A.1.C

CCSS.MATH.CONTENT.7.NS.A.1.D

**5-4 Multiplying and Dividing Fractions**

CCSS.MATH.CONTENT.7.NS.A.2

CCSS.MATH.CONTENT.7.NS.A.2.A

CCSS.MATH.CONTENT.7.NS.A.2.B

**5-5 Using Customary Units of Measurements**

CCSS.MATH.CONTENT.6.RP.A.3.D

**5-6 Solving Equations by Adding or Subtracting Fractions**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.8.EE.C.7.B

**5-7 Solving Equations by Multiplying Fractions**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.8

CCSS.MATH.CONTENT.7.EE.B.4.B

**5-8 Powers of Products and Quotients**

CCSS.MATH.CONTENT.8.EE.A.3

CCSS.MATH.CONTENT.8.EE.A.2

**Unit 6 - Ratios, Proportions, and Percentages**

**6-1 Ratios and Unit Rates**

CCSS.MATH.CONTENT.6.RP.A.1

CCSS.MATH.CONTENT.6.RP.A.2

CCSS.MATH.CONTENT.6.RP.A.3

CCSS.MATH.CONTENT.6.RP.A.3.B

CCSS.MATH.CONTENT.7.RP.A.1

CCSS.MATH.CONTENT.8.EE.B.5

**6-2 Proportions**

CCSS.MATH.CONTENT.7.RP.A.2

CCSS.MATH.CONTENT.7.RP.A.2.A

CCSS.MATH.CONTENT.7.RP.A.2.B

CCSS.MATH.CONTENT.7.RP.A.2.C

CCSS.MATH.CONTENT.7.RP.A.3

CCSS.MATH.CONTENT.8.EE.B.5

**6-3 Similar Figures and Scale Drawings**

CCSS.MATH.CONTENT.8.G.A.4

CCSS.MATH.CONTENT.7.G.A.1

**6-4 Probability**

CCSS.MATH.CONTENT.7.SP.C.5

CCSS.MATH.CONTENT.7.SP.C.6

CCSS.MATH.CONTENT.7.SP.C.7

CCSS.MATH.CONTENT.7.SP.C.8

**6-5 Fractions, Decimals, and Percentages**

CCSS.MATH.CONTENT.6.RP.A.3.C

**6-6 Proportions and Percentages**

CCSS.MATH.CONTENT.7.RP.A.3

**6-7 Percentages and Equations**

CCSS.MATH.CONTENT.6.RP.A.3.C

CCSS.MATH.CONTENT.7.RP.A.3

**6-8 Percent of Change**

CCSS.MATH.CONTENT.6.RP.A.3.C

CCSS.MATH.CONTENT.7.RP.A.3

**6-9 Markup and Discount**

CCSS.MATH.CONTENT.7.RP.A.3

**6-10 Tables**

CCSS.MATH.CONTENT.6.RP.A.3.A

CCSS.MATH.CONTENT.7.RP.A.2.A

CCSS.MATH.CONTENT.7.RP.A.2.B

**Unit 7 - Solving Equations and Inequalities**

**7-1 Solving Two-Step Equations**

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.8.EE.C.7.A

**7-2 Solving Multi-Step Equations**

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.EE.B.4.A

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.8.EE.C.7.A

CCSS.MATH.CONTENT.8.EE.A.2

**7-3 Multi-Step Equations with Fractions and Decimals**

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.7.EE.B.4.A

CCSS.MATH.CONTENT.8.EE.C.7.B

CCSS.MATH.CONTENT.8.EE.C.7

CCSS.MATH.CONTENT.8.EE.C.7.A

CCSS.MATH.CONTENT.8.EE.C.7.B

**7-4 Write an Equation**

CCSS.MATH.CONTENT.6.EE.B.5

CCSS.MATH.CONTENT.6.EE.B.6

CCSS.MATH.CONTENT.6.EE.B.7

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.8.EE.C.7.A

**7-5 Solving Equations with Variables on Both Sides**

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4

CCSS.MATH.CONTENT.8.EE.C.7.B

**7-6 Solving Two-Step Inequalities**

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.7.EE.B.4.B

CCSS.MATH.CONTENT.7.EE.B.4

**7-7 Transforming Formulas**

CCSS.MATH.CONTENT.8.EE.C.7.B

**7-8 Simple and Compound Interest**

CCSS.MATH.CONTENT.7.RP.A.3

**Unit 8 - Linear Functions and Graphing**

**8-1 Relations and Functions**

CCSS.MATH.CONTENT.8.F.A.1

CCSS.MATH.CONTENT.8.F.A.2

CCSS.MATH.CONTENT.8.F.A.3

**8-2 Equations with Two Variables**

CCSS.MATH.CONTENT.8.F.B.4

CCSS.MATH.CONTENT.8.F.B.5

**8-3 Slope and y-intercept**

CCSS.MATH.CONTENT.8.EE.B.5

CCSS.MATH.CONTENT.8.EE.B.6

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.SP.A.4

**8-4 Writing Rules for Linear Functions**

CCSS.MATH.CONTENT.6.EE.C.9

CCSS.MATH.CONTENT.8.EE.C.8.A

CCSS.MATH.CONTENT.8.F.B.4

**8-5 Scatter Plots**

CCSS.MATH.CONTENT.8.SP.A.1

CCSS.MATH.CONTENT.8.SP.A.2

CCSS.MATH.CONTENT.8.SP.A.3

**8-6 Solving Systems of Linear Equations by Graphing**

CCSS.MATH.CONTENT.8.EE.C.8.A

CCSS.MATH.CONTENT.8.EE.C.8.B

CCSS.MATH.CONTENT.8.EE.C.8.C

**8-7 Solving Systems of Linear Equations by Substitution**

CCSS.MATH.CONTENT.8.EE.C.8

CCSS.MATH.CONTENT.8.EE.C.8.B

CCSS.MATH.CONTENT.8.EE.C.8.A

**8-8 Graphing Linear Inequalities**

CCSS.MATH.CONTENT.7.EE.B.4.B

**Unit 9 - Spatial Thinking**

**9-1 Introduction to Geometry: Points, Lines, and Planes**

CCSS.MATH.CONTENT.8.G.A.1.A

CCSS.MATH.CONTENT.8.G.A.1.B

**9-2 Angle Relationships and Parallel Lines**

CCSS.MATH.CONTENT.8.G.A.1.C

CCSS.MATH.CONTENT.8.G.A.5

CCSS.MATH.CONTENT.7.G.B.5

**9-3 Classifying Polygon**

CCSS.MATH.CONTENT.6.G.A.3

CCSS.MATH.CONTENT.7.G.A.2

**9-4 Draw a Diagram**

CCSS.MATH.CONTENT.7.G.A.1

**9-5 Congruence**

CCSS.MATH.CONTENT.8.G.A.2

**9-6 Circles**

CCSS.MATH.CONTENT.7.G.B.4

**9-7 Constructions**

CCSS.MATH.CONTENT.7.G.A.2

CCSS.MATH.CONTENT.7.G.A.1

**9-8 Translations**

CCSS.MATH.CONTENT.8.G.A.1

CCSS.MATH.CONTENT.8.G.A.2

CCSS.MATH.CONTENT.8.G.A.3

CCSS.MATH.CONTENT.8.G.A.4

**9-9 Symmetry and Rotations**

CCSS.MATH.CONTENT.8.G.A.1

CCSS.MATH.CONTENT.8.G.A.2

CCSS.MATH.CONTENT.8.G.A.3

CCSS.MATH.CONTENT.8.G.A.4

**9-10 Rotations**

CCSS.MATH.CONTENT.8.G.A.1

CCSS.MATH.CONTENT.8.G.A.2

CCSS.MATH.CONTENT.8.G.A.3

CCSS.MATH.CONTENT.8.G.A.4

**Unit 10 - Area and Volume**

**10-1 Area of Parallelograms**

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.A.3

CCSS.MATH.CONTENT.7.G.B.6

**10-2 Area of Triangles and Trapezoids**

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.A.3

CCSS.MATH.CONTENT.7.G.B.6

**10-3 Area of Circles**

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.A.3

CCSS.MATH.CONTENT.7.G.B.6

**10-4 Space Figures**

CCSS.MATH.CONTENT.7.G.A.2

CCSS.MATH.CONTENT.7.G.A.3

**10-5 Surface Area of Prisms and Cylinders**

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.A.3

CCSS.MATH.CONTENT.7.G.B.6

**10-6 Surface Area of Pyramids, Cones, and Spheres**

CCSS.MATH.CONTENT.6.G.A.4

CCSS.MATH.CONTENT.7.G.A.3

CCSS.MATH.CONTENT.7.G.B.6

**10-7 Volumes of Prisms and Cylinders**

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.8.G.C.9

CCSS.MATH.CONTENT.6.G.A.2

**10-8 Volume of Pyramids, Cones, and Spheres**

CCSS.MATH.CONTENT.7.G.B.6

CCSS.MATH.CONTENT.8.G.C.9

**Unit 11 - Right Triangles in Algebra**

**11-1 Square Roots and Irrational Numbers**

CCSS.MATH.CONTENT.8.EE.A.2

CCSS.MATH.CONTENT.8.NS.A.1

**11-2 The Pythagorean Theorem**

CCSS.MATH.CONTENT.8.G.B.6

CCSS.MATH.CONTENT.8.G.B.7

CCSS.MATH.CONTENT.8.G.B.8

**11-3 Distance and Midpoint Formulas**

CCSS.MATH.CONTENT.8.G.B.8

**11-4 Write a Proportion**

CCSS.MATH.CONTENT.7.RP.A.2

**11-5 Special Right Triangles**

CCSS.MATH.CONTENT.8.G.B.7

CCSS.MATH.CONTENT.7.G.A.2

**11-6 Sine, Cosine, and Tangent Ratios**

**11-7 Angles of Elevation and Depression**

CCSS.MATH.CONTENT.8.G.B.7

**Unit 12 - Data Analysis and Probability**

**12-1 Frequency Tables, Line Plots, and Histograms**

CCSS.MATH.CONTENT.6.SP.B.4

CCSS.MATH.CONTENT.6.SP.B.5.C

CCSS.MATH.CONTENT.7.SP.C.8.B

**12-2 Box-and-Whisker Plots**

CCSS.MATH.CONTENT.6.SP.B.4

CCSS.MATH.CONTENT.6.SP.B.5.C

CCSS.MATH.CONTENT.6.SP.A.2

CCSS.MATH.CONTENT.7.SP.B.3

**12-3 Stem and Leaf Plots**

CCSS.MATH.CONTENT.6.SP.B.4

CCSS.MATH.CONTENT.6.SP.B.4.C

CCSS.MATH.CONTENT.7.SP.B.4

**12-4 Counting Outcomes and Theoretical Probability**

CCSS.MATH.CONTENT.7.SP.C.5

CCSS.MATH.CONTENT.7.SP.C.7.A

CCSS.MATH.CONTENT.7.SP.C.7.B

CCSS.MATH.CONTENT.7.SP.C.8.A

CCSS.MATH.CONTENT.7.SP.C.8.B

**12-5 Independent and Dependent Events**

**12-6 Permutations and Combinations**

**12-7 Experimental Probability**

CCSS.MATH.CONTENT.7.SP.A.2

CCSS.MATH.CONTENT.7.SP.C.5

CCSS.MATH.CONTENT.7.SP.C.6

CCSS.MATH.CONTENT.7.SP.C.7.A

CCSS.MATH.CONTENT.7.SP.C.7.B

**12-8 Random Samples and Surveys**

CCSS.MATH.CONTENT.7.SP.A.1

CCSS.MATH.CONTENT.7.SP.A.2

CCSS.MATH.CONTENT.7.SP.C.6

**Unit 13** - **Nonlinear Functions and Polynomials**

**13-1 Patterns and Sequences**

CCSS.MATH.CONTENT.8.EE.B.5

CCSS.MATH.CONTENT.8.EE.B.6

CCSS.MATH.CONTENT.8.SP.A.3

CCSS.MATH.CONTENT.8.SP.A.4

**13-2 Graphing Nonlinear Functions**

CCSS.MATH.CONTENT.8.F.B.5

**13-3 Exponential Growth and Decay**

**13-4 Polynomials**

**13-5 Adding and Subtracting Polynomials**

**13-6 Multiplying a Polynomial by a Monomial**

**13-7 Multiplying Binomials**

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.NS.A.2.C

**13-8 Using Multiple Strategies**

CCSS.MATH.CONTENT.6.NS.B.4

CCSS.MATH.CONTENT.7.EE.A.1

CCSS.MATH.CONTENT.7.EE.B.3

CCSS.MATH.CONTENT.7.NS.A.2.C