



Syllabus

Grade 3 Mathematics

The grade 3 Common Core Math course is designed to build a strong foundation in mathematical concepts and skills. Students will learn to think critically and solve problems using a variety of strategies, including visualization, strategic thinking, and algebraic reasoning. Throughout the course, students will study topics such as place value, addition and subtraction, multiplication and division, fractions, geometry, and measurement. They will also develop their ability to reason abstractly and quantitatively, and to model and analyze real-world situations using math.

Time Commitment: This 24-week (54 lesson) course includes 2 in-class hours each week and 1-2 hours of homework each lesson, corresponding to a full-year course.

Grading: 5% Class Participation, 10% Homework, 15% Classwork, 33% Quizzes, 37% Assessments.

Content: Note: An extra class is added at the end of each unit for review and assessment of the material learned.

Unit	Name	Lessons	Length
1	Place Value & Rounding	<ul style="list-style-type: none"> Lesson 1-1: Place Value Chart Lesson 1-2: Number Expression Lesson 1-3: Rounding 1 Lesson 1-4: Rounding 2 Lesson 1-5: Rounding 3 	3 weeks
2	Addition and Subtraction	<ul style="list-style-type: none"> Lesson 2-1: Number Line & Arrow Addition Lesson 2-2: Expanded Form Addition and Word Problems Lesson 2-3: Subtracting with Place Value Models Lesson 2-4: Number Line Subtraction and Word Problems 	2.5 weeks
3	Multiplication and Division	<ul style="list-style-type: none"> Lesson 3-1: Equal Groups to Understand Multiplication Lesson 3-2: Arrays and Word Problems Lesson 3-3: Exploring Division and Grouping Lesson 3-4: Relating Arrays to Multiplication and Division Lesson 3-5: Fact Families and Expressions 	3 weeks
4	Multiplication and Division Fact Fluency	<ul style="list-style-type: none"> Multiplication Tables 1-12 Fact Fluency (Asynchronous) Division Tables 1-12 Fact Fluency (Asynchronous) 	Continuous
5	Area and Perimeter	<ul style="list-style-type: none"> Lesson 5-1: Area using Square Tiles and Square Units Lesson 5-2: Comparing Areas and Relating Area to Multiplication Lesson 5-3: Area of Incomplete Arrays and Composite Shapes Lesson 5-4: Area of Incomplete Arrays (cont.) and Perimeter of Rectangles Lesson 5-5: Area of Polygons and Unknown Sides Lesson 5-6: Compare Area and Perimeter 	3 weeks
6	Word Problems and Patterns	<ul style="list-style-type: none"> Lesson 6-1: Word Problems (With Numbers and Variables) Lesson 6-2: One Step Word Problems Lesson 6-3: Two Step Problems Lesson 6-4: Patterns in an Addition and Multiplication Table Lesson 6-5: Number Patterns 	3 weeks
7	Fractions, Comparing, and More	<ul style="list-style-type: none"> Lesson 7-1: Partitioning Shapes & Unit Fractions Lesson 7-2: Non Unit Fractions and Dividing an Number Line Lesson 7-3: Plot Fractions On Number Lines Lesson 7-4: Equivalent Fractions Lesson 7-5: Comparing Fractions 	3 weeks

8	Geometry	<ul style="list-style-type: none"> • Lesson 8-1: Polygon Sides and Angles • Lesson 8-2: Polygon and Quadrilateral Attributes • Lesson 8-3: Comparing and Drawing Polygons 	2 weeks
9	Telling Time and Elapsed Time	<ul style="list-style-type: none"> • Lesson 9-1: Telling Time • Lesson 9-2: Elapsed Time (Analog Clocks and Number Lines) • Lesson 9-3: Elapsed Time Using Number Lines • Lesson 9-4: Unknown End and Start Time 	2.5 weeks
10	Measurement	<ul style="list-style-type: none"> • Lesson 10-1: Metric Units and Mass Unpublished. Unpublished. • Lesson 10-2: Metric Units (cont.) and Customary Units • Lesson 10-3: Liquid Volume • Lesson 10-4: Customary Units and Word Problems 	2.5 weeks
11	Graphing	<ul style="list-style-type: none"> • Lesson 11-1: Tables and Bar Graphs • Lesson 11-2: Picture Graphs • Lesson 11-3: Object Lengths and Line Plots 	2 weeks