Course Description:
During the second semester, students will explore concepts of measurement including linear measurement, weight, volume, temperature, and time. They will also recognize, compare, and convert fractions. Students will write amounts of money and make change using as few coins as possible. Lastly, students will examine lines, polygons, and solid figures as they are introduced to basic concepts of geometry.

Module	Lesson	Objectives
Module 19: Compare Fractions	Denominators	• Define a denominator and identify its location in a fraction. Compare denominators to recognize how size relates to the number of equal parts.
	Numerators	• Identify and explain what the numerator in a fraction tells you. Compare numerators to find the one that is greater.
	Same Whole	• Understand that the denominator describes the parts that make up a fraction's whole. Understand that to compare fractions, both wholes must be the same size and shape.
	Comparing and Ordering with Numerators	• Compare the numerators of fractions.
	Comparing and Ordering with Denominators	• Compare the denominators of fractions.
Module 20: Shapes	Angles	• Define angles and identify them in shapes.
	Polygons	• Define and identify polygons.
	Triangles	• Define and classify triangles.
	Quadrilaterals	• Define and classify quadrilaterals.
	Describe Shapes	• Analyze and compare shapes.
Module 21: Sort and Classify Shapes	Classify Shapes	• Classify shapes by sides and angles.
	Shapes with Similar Attributes	• Compare and organize flat and solid shapes with similar attributes.
	Draw Shapes	• Distinguish and construct quadrilaterals.

Module	Lesson	Objectives
	Guess the Shape	• Differentiate shapes based on attributes.
	Line of Symmetry	• Analyze and create lines of symmetry.
Module 22: Use Fractions to Partition Shapes	Equal Parts in Shapes	• Recognize how to partition shapes into equal parts.
	A Fractioned Shape	• Identify fractional parts of a whole.
	Partition Shapes	• Draw and partition shapes into equal parts.
	Solve Real World Problems with Partitioned Shapes	• Create partitioned shapes to solve word problems.
	Match Fractions	• Analyze and connect partitioned shapes.
Module 23: Measuring Time	Explore Time	• Identify the time on an analog or digital clock.
	Compare Time	• Compare an analog clock face to intervals on a number line.
	Estimate Time	• Estimate time and calculate elapsed time.
	Add and Subtract Time	• Use an open number line to add and subtract time intervals.
	Problem Solving: Word Problems Related to Time	• Construct an open number line to solve elapsed time word problems.
Module 24: Measuring Length	Measure Whole Numbers	• Use a ruler to measure to the nearest inch.
	Measure Nearest 1/2 of an Inch	• Use a ruler to measure to the nearest 1/2 inch.
	Measure Nearest 1/4 of an Inch	• Use a ruler to measure to the nearest 1/4 inch.
	Add and Subtract Length	• Calculate lengths with addition and subtraction.
	Problem Solving: Length	• Construct addition and subtraction sentences to solve length word problems.
Module 25: Measuring Mass	Estimate Mass	• Estimate the mass of an object.
	Units of Measure: Mass	• Distinguish between grams or kilograms for the mass of an object.
	Measure Mass	• Measure the mass of an object using grams and kilograms.
	Grams and Kilograms	• Identify the best unit to measure the mass of an object.

Module	Lesson	Objectives
	Problem Solving: Mass	• Analyze and solve word problems on mass.
Module 26: Measuring Capacity	Estimate Capacity	• Define and use non-standard units to estimate capacity.
	Units of Measure: Capacity	• Define and use standard units to measure capacity.
	Measure Capacity	• Compare standard units of liquid volume.
	Liters vs Milliliters	• Distinguish between liters and milliliters to measure capacity.
	Problem Solving: Capacity	• Analyze and solve word problems on capacity.
Module 27: Measuring Data	Collect and Record Data	• Collect and record data.
	Draw Scaled Picture Graphs	• Collect and record data on a picture graph.
	Draw Scaled Bar Graphs	• Collect and graph data on a bar graph.
	Relate Picture Graphs to Bar Graphs	• Relate and interpret picture and bar graphs.
	Problem Solve: How Many More - How Many Less?	• Analyze and solve word problems with bar graphs.
Module 28: Line Plots and Graphs	Read and Interpret Data on a Line Plot	• Interpret a line plot to answer questions. • Analyze and compare data on a line plot.
	Draw Line Plots	• Collect and display data on a line plot.
	Read and Interpret Line Graphs	• Interpret a line graph to answer questions • Analyze and compare data displayed on a line graph.
	Draw a Line Graph	• Collect and display data on a line graph.
	Compare Line Plots to Line Graphs	• Compare line plots to line graphs.
Module 29: Area	What Is Area?	• Define and recognize the area of a shape.
	Unit Squares	• Use unit squares to determine the area of a shape.
	Find the Area	• Identify the area of a shape in square units.
	Measure Area	• Estimate and measure the area of a shape with unit squares.

Module	Lesson	Objectives
	Problem Solving: Finding Area in Word Problems	• Analyze and solve area word problems with unit squares.
Module 30: Area of a Rectangle	Tiling Rectangles	• Calculate the area of a rectangle using unit squares.
	Multiply Side Lengths to Find the Area	• Calculate the area of a rectangle using multiplication.
	Side Lengths of a Rectangle	• Calculate the side length of a rectangle using division.
	Problem Solve: Real World Problems Finding the Area	• Analyze and solve area word problems with multiplication.
	Rectangular Arrays	• Construct rectangular arrays to calculate area.
Module 31: Relate Area	Using the Distributive Property to Find Area	• Relate the area of a rectangle to multiplication and addition.
	Find the Cost	• Calculate the cost of something by finding the area.
	Add the Area	• Calculate the area of a rectangle by decomposing it.
	Break Apart Rectilinear Figures	• Deconstruct a rectangle to find its area.
	Problem Solve: Reasoning Finding the Area	• Analyze and solve area word problems by decomposing a rectangle.
Module 32: Perimeter	What is Perimeter?	• Define and calculate the perimeter.
	Find the Perimeter	• Calculate the perimeter from side lengths.
	What's the Missing Length?	• Calculate an unknown side length using the perimeter.
	Problem Solving: Real World Problems Finding the Perimeter	• Analyze and solve perimeter word problems.
	Different Perimeters and Areas	• Create shapes to find the area and perimeter.
Module 33: Place Value	Rounding Numbers Through Ten Thousands	• Use a place value chart to round to the nearest ten, hundred, thousand, ten thousand or hundred thousand.
	Comparing Numbers Through Ten Thousands	• Compare numbers from 0-100,000.

Module	Lesson	Objectives
	Ordering Numbers Through Ten Thousands	• List numbers (0-100,000) in order from least to greatest and greatest to least.
	Rounding Numbers Through One Million	• Use a place value chart to round numbers through the millions.
	Comparing Numbers Through One Million	• Compare numbers through the millions.
Module 34: Estimating	Estimating Sums	• Estimate sums by rounding.
	Mental Math: Addition	• Calculate sums with mental math.
	Estimating Products	• Estimate products by rounding.
	Mental Math: Multiplication	• Calculate products with mental math.
	Dividing Larger Numbers	• Calculate quotients using long division.
Module 35: Fractions	Equal Parts of a Whole	• Recall and show equal parts of a whole.
	Parts of a Set	• Show parts of a set with fractions.
	Fractions of a group	• Analyze and solve word problems with fractions of a group.
	Equivalent Fractions	• Calculate equivalent fractions.
	Compare Fractions	• Compare fractions by examining their sizes.
Module 36: Multiples and Factors	Multiples of 1 through 5	• Construct a multiplication table to identify multiples of numbers (1 - 5).
	Multiples of 6 through 10	• Construct a multiplication table to identify multiples of numbers (6 - 10).
	Factors of 1 through 25	• Identify the factors of numbers (1 - 25) to find the greatest common factor.
	Factors of 26 through 50	• Identify the factors of numbers (26 - 50) to find the greatest common factor.
	Prime and Composite Numbers	• Define and identify prime and composite numbers.