3rd Grade Math

	Content	Skills	Assessments	Resources
1st Nine Weeks	**Chapter 1** ● Addition and Subtraction Within 1,000	● Identify and describe whole-number patterns ● Round 2- and 3-digit numbers to nearest ten or hundred ● Use compatible numbers and rounding to estimate sums ● Count by tens and ones, use a number line, make compatible, or use friendly numbers to find sums mentally ● Use the Commutative and Associative Properties of Addition to add more than two addends ● Use the break apart strategy to add 3-digit numbers ● Use place value to add 3-digit numbers ● Use compatible numbers and rounding to estimate differences ● Use a number line, friendly numbers, or the break apart strategy to find differences mentally ● Use place value to subtract 3-digit numbers ● Use the combine place values strategy to subtract to subtract 3-digit numbers	● Mid-chapter checkpoint ● Daily drills ● Quizzes ● Chapter test ● Bell Ringers ● Homework	● Go Math Student Edition ● Reteach and Enrich ● Personal Math Trainer ● Math on the Spot Videos ● Real World Videos ● Animated Math Models ● HMH Mega MAth ● Place value manipulatives ● mathplayground.com ● teacherpayteachers.com ● superteacherworksheets.com ● thinkcentral.com ● Reflex ● Multiplication Station
	Chapter 2 ● Represent and Interpret Data	● Organize data in tables and solve problems ● Read and interpret data in a scaled picture graph ● Draw a scaled picture graphs ● Read and interpret data in scaled bar graphs ● Draw a scaled bar graphs ● Solve one- and two-step compare problems using data represented in scaled bar graphs		
	Chapter 3 ● Understand Multiplication	● Model and skip count objects in equal groups to find how many ● Write an addition sentence and a multiplication sentence for a model ● Model and skip count on a number line to show how many ● Use arrays to model products and factors ● Model the Commutative Property of Multiplication and use it to find products		

2nd Nine Weeks	**Chapter 4** ● Multiplication Facts and Strategies	● Use various strategies such as drawing a picture, using doubles, skip counting, using a number line or bar models to multiply with factors 2-12 ● Memorize and practice facts through 12 **Students will learn and practice multiplication facts using the Multiplication Station program. This program uses a very specific order and strategies for learning these facts.	● Mid-chapter checkpoint ● Daily drills ● Quizzes ● Chapter test ● Bell Ringers ● Homework	● Go Math Student Edition ● Reteach and Enrich ● Personal Math Trainer ● Math on the Spot Videos ● Real World Videos ● Animated Math Models ● HMH Mega MAth ● Place value manipulative ● mathplayground.com ● math-drills.com ● teacherpayteachers.com ● superteacherworksheets.com ● thinkcentral.com ● Kagan ● Reflex ● Multiplication Station
	Chapter 5 ● Use Multiplication Facts	● Continue using Multiplication Station ● Identify and describe a number pattern shown in a function table ● Use an array or multiplication table to find an unknown factor ● Solve multiplication problems by using strategy *draw a diagram* ● Use base-ten blocks, number lines, or place value to solve multiples of 10 ● Model and record multiplication with multiples of 10		
	Chapter 6 and 7 ● Understand Division	● Solve division using strategy *act it out* ● Use models to explore partitive (sharing) division ● Use models to explore quotative (measurement) division ● Model division by using equal groups and bar models ● Use repeated subtraction and a number line to relate subtraction and division ● Model division by using arrays ● Use bar models and arrays to relate multiplication and division and inverse operations ● Write multiplication and division facts ● Divide using rules for 1 and 0		

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3rd Nine Weeks	**Chapter 8** ● Understand Fractions	● Explore and identify equal parts of a whole ● Divide models to make equal shares ● Use a fraction to name one part of a whole ● Read, write, and model fractions that represent more than one part of a whole that is divided into equal parts ● Represent and locate fractions to a number line ● Relate fractions and whole numbers ● Express whole numbers as fractions ● Recognize fractions as equivalent to whole numbers ● Model, read and write fractional parts of a group ● Find fractional parts of a group using unit fractions	● Mid-chapter checkpoint ● Daily drills ● Quizzes ● Chapter test ● Bell Ringers ● Homework	● Go Math Student Edition ● Reteach and Enrich ● Personal Math Trainer ● Math on the Spot Videos ● Real World Videos ● Animated Math Models ● HMH Mega MAth ● Place value manipulative ● mathplayground.com ● math-drills.com ● teacherpayteachers.com ● superteacherworksheets.com ● thinkcentral.com ● Kagan ● Reflex ● Multiplication Station ● Fraction tiles ● Measurement tools ● Analog and digital clocks
	Chapter 9 ● Compare Fractions	● Compare fractions with same denominators by using models and reasoning ● Compare fractions by using models and strategies involving the size of the pieces in the whole ● Compare and order fractions by using models and reasoning ● Model equivalent fractions using models and number lines ● Generate equivalent fractions using models		
	Chapter 10 ● Time, Length, Liquid Volume, and Mass	● Read, write, and tell analog and digital time to the nearest minute ● Decide when to use A.M. and P.M. ● Use a number line or analog clock to measure time intervals in minutes ● Use a number line or an analog clock to add and subtract time intervals ● Solve problems involving addition and subtraction of time intervals by *drawing a diagram* ● Measure length to ¼ or ½ inch and plot data ● Estimate and measure liquid volume in liters ● Estimate and measure liquid volume in liters ● Add, subtract, multiply, or divide to solve problems involving liquid volumes or masses		

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4th Nine Weeks	**Chapter 11** ● Perimeter and Area	● Explore perimeter of polygons by counting units on grid paper ● Estimate and measure perimeter using inch and centimeter rulers ● Find the unknown length of a side when the perimeter is known ● Explore perimeter and area as attributes of polygons ● Estimate and measure area of plane figures by counting unit squares ● Relate area to addition and multiplication by using area models ● Solve area problems by using the strategy *find a pattern* ● Apply the distributive property to area models and to find the area of combined rectangles ● Compare areas of rectangles that have the same perimeter ● Compare perimeters of rectangles that have the same area	● Mid-chapter checkpoint ● Daily drills ● Quizzes ● Chapter test ● Bell Ringers ● Homework	● Go Math Student Edition ● Reteach and Enrich ● Personal Math Trainer ● Math on the Spot Videos ● Real World Videos ● Animated Math Models ● HMH Mega MAth ● Place value manipulative ● mathplayground.com ● math-drills.com ● teacherpayteachers.com ● superteacherworksheets.com ● thinkcentral.com ● Kagan ● Reflex ● Multiplication Station ● Fraction tiles ● Measurement tools
	Chapter 12 ● Two-Dimensional Shapes	● Identify and describe attributes of plane shapes ● Describe angles in plane shapes ● Identify polygons by the number of sides they have ● Determine if lines or line segments are intersecting, perpendicular, or parallel ● Describe, classify, and compare quadrilaterals based on their sides and angles ● Draw quadrilaterals ● Describe and compare triangles based on the number of sides and by their angles ● Solve problems by using the strategy *draw a diagram* to classify plane shapes ● Partition shapes into parts with equal areas and write the area as a unit fraction of the whole		