

Mathematics: Grade 4- Curriculum Map for Parents

Trimester 1

Topic / Unit	Focus Content Standards*		Focus Practice Standards*	Assessment(s)
Unit 1: Place Value: Multi-digit Addition and Subtraction	4.NBT	Generalize place value understanding for multi-digit whole numbers.	SMP2: Reason abstractly and quantitatively. SMP5: Use appropriate tools strategically. SMP7: Look for and make use of structure.	<u>Performance-Based Task:</u> - In-unit Open Response and Re-engagement Lesson - End-of-Unit Open Response <u>Written Assessment:</u> - End-of-Unit Progress Check
	4.NBT	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
Unit 2: Multiplication and Geometry	4.OA	Use the four operations with whole numbers to solve problems.	SMP6 Attend to precision SMP7: Look for and make use of structure	<u>Performance-Based Task:</u> - In-unit Open Response and Re-engagement Lesson <u>Written Assessment:</u> - End-of-Unit Progress Check and Cumulative Review
	4.NBT	Generalize place value understanding for multi-digit whole numbers.		
	4.NBT	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
	4.G	Draw and identify lines and angles, and classify shapes by properties of their lines and angles.		
	4.MD	Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.		
Unit 3: Fractions and Decimals	4.NBF	Extend understanding of fraction equivalence and ordering.	SMP3: Construct viable arguments and critique the reasoning of others SMP4: Model with mathematics	<u>Performance-Based Task:</u> - In-unit Open Response and Re-engagement Lesson - End-of-Unit Open Response <u>Written Assessment:</u> - End-of-Unit Progress Check
	4.NBF	Understand decimal notation for fractions, and compare decimal fractions.		
	4.MD	Convert between meters, centimeters, and millimeters in a 2-column table		

*The Focus Content Standards and Focus Practice Standards are based on the Common Core State Standards for Mathematics (CCSS-M). They are not intended to be a comprehensive listing of standards; rather, they indicate the major emphasis for student learning in each unit.

The Focus Content Standards are listed as Grade 4 CCSS-M Content Domains and their corresponding Clusters. The CCSS-M Grade 4 Domains are listed as follows: Operations and Algebraic Thinking (4.OAT) ; Number and Operations in Base Ten (4.NBT); Measurement and Data (4.MD); Numbers and Operations in Fractions (4.NBF) and Geometry (4.G) The full listing of Grade 4 content standards for each Domain and corresponding Clusters can be found by accessing this URL: www.corestandards.org/Math/.

The Focus Practice Standards are listed as the Common Core's *Standards for Mathematical Practice* (SMP). A description and full listing of these 8 practice standards is found in the introduction of this document.

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Trimester 2

Topic / Unit	Focus Content Standards (name source of standards)		Focus Practice Standards	Assessment(s)
Unit 4: Multi-digit Multiplication	4.OA	Use the four operations with whole numbers to solve problems.	SMP1: Make sense of problems and persevere in solving them SMP7: Look for and make use of structure	<u>Performance-Based Task:</u> - In-unit Open Response and Re-engagement Lesson <u>Written Assessment:</u> - End-of-Unit Progress Check and Cumulative Review
	4.OA	Gain familiarity with factors and multiples.		
	4.NBT	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
	4.MD	Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.		
Unit 5: Fraction and Mixed Number Computation; Measurement	4.NBT	Use the four operations with whole numbers to solve problems.	SMP2: Reason Abstractly and quantitatively SMP5: Use tools effectively and make sense of your results	<u>Performance-Based Task:</u> - In-unit Open Response and Re-engagement Lesson - End-of-Unit Open Response <u>Written Assessment:</u> - End-of-Unit Progress Check
	4.OA	Generate and analyze patterns.		
	4.G	Geometric measurement: understand concepts of angle and measure angles.		
	4.MD	Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.		
	4.G	Draw and identify lines and angles and classify shapes by properties of their lines and angles.		
Unit 6: Division Angles	4.OA	Use the four operations with whole numbers to solve problems.	SMP5: Use appropriate tools strategically SMP7: Look for and make use of structure	<u>Performance-Based Task:</u> - In-unit Open Response and Re-engagement Lesson <u>Written Assessment:</u> - End-of-Unit Progress Check and Cumulative Review
	4.OA	Gain familiarity with factors and multiples.		
	4.OA	Generate and analyze patterns.		
	4.NBT	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
	4.NBF	Build fractions from unit fractions.		
	4.G	Geometric measurement: understand concepts of angle and measure angles.		

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Trimester 3

Topic / Unit	Focus Content Standards (name source of standards)		Focus Practice Standards	Assessment(s)
Unit 7: Multiplication of a Fraction by a Whole Number: Measurement	4.OA	Generate and analyze patterns.	<p>SMP2: Reason abstractly and quantitatively</p> <p>SMP8: Look for and express regularity in repeated reasoning</p>	<p><u>Performance-Based Task:</u></p> <ul style="list-style-type: none"> - In-unit Open Response and Re-engagement Lesson - End-of-Unit Open Response <p><u>Written Assessment:</u></p> <ul style="list-style-type: none"> - End-of-Unit Progress Check
	4.MD	Represent and interpret data.		
	4.NBF	Understand decimal notation for fractions, and compare decimal fractions.		
	4.MD	Solve problems involving measurement and conversion of measurements.		
	4.NBT	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
	4.NBF	Build fractions from unit fractions.		
Unit 8: Fraction Operations: Applications	4.OA	Use the four operations with whole numbers to solve problems.	<p>SMP1: Make sense of problems and persevere in solving problems</p> <p>SMP4: Model with mathematics</p>	<p><u>Performance-Based Task:</u></p> <ul style="list-style-type: none"> - In-unit Open Response and Re-engagement Lesson <p><u>Written Assessment:</u></p> <ul style="list-style-type: none"> - End-of-Unit Progress Check and Cumulative Review
	4.NBT	Generalize place value understanding for multi-digit whole numbers.		
	4.NBT	Use place value understanding and properties of operations to perform multi-digit arithmetic.		
	4.NBF	Build fractions from unit fractions.		
	4.MD	Solve problems involving measurement and conversion of measurements.		
	4.MD	Represent and interpret data.		
	4.G	Draw and identify lines and angles, and classify shapes by properties of their lines and angles.		