APRIL 2023

CURRICULUM Correlation

Waterford Reading
Academy:

Math & Science

99%

Oklahoma
Academic
Standards for
Mathematics
2022 & Science
2020

*Correlation content includes both Waterford Digital Resources and Waterford Teacher Resources.

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OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
	MATHEMATICS	
KINDERGARTEN		
Numbers and Operations (N)		
K.N.1 Understand the relationship b	etween quantities and whole numbers.	
K.N.1.1 Count aloud forward in sequence to 100 by 1's and 10's.	 Number Songs Counting Songs Math Books Number Instruction Number Counting Skip Counting 	 Count to 100 by ones and tens.pdf: Count to 100 by ones and tens. Missing Numbers Count On By 1 Numbers 1-5 Numbers 6-10 Math Newsletters Count By 10s Numbers 60-69 I Can Count to 100
K.N.1.2 Recognize that a number can be used to represent how many objects are in a set up to 10.	 Math Books Number Songs Counting Songs Number Counting Number Instruction Make and Count Groups Bug Bits Match Numbers 	 Writing from 0 to 20.pdf: Write numbers from 0 to 20. Represent a number of objects with a written numeral. Numbers Practice: 1-20 Numbers 1-5 Add groups Count on by 1 Number Writing Practice: 0-20
K.N.1.3 Use ordinal numbers to represent the position of an object in a sequence up to 10.	Song: OrdinalsBook: The Circus Came to TownOrdinal Numbers	Ordinals.pdf: Practice finding ordinal numbers.
K.N.1.4 Recognize without counting (subitize) the quantity of a small group of objects in organized and random arrangements up to 10.	Moving Target (Dots)Bug Bits	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
K.N.1 Understand the relationship b	etween quantities and whole numbers continued.	
K.N.1.5 Count forward, with and without objects, from any given number up to 20.	Counting SongsCount OnDot-to-Dot	 Counting forward.pdf: Count forward beginning with a given number within the known sequence. Let's Count On Toss and Count Count On by 1 Math Newsletter: Count On Flashcards
K.N.1.6 Read, write, discuss, and represent whole numbers from 0 to at least 20. Representations may include numerals, pictures, real objects and picture graphs, spoken words, and manipulatives.	 Math Books Counting Songs Number Counting Number Instruction Make and Count Groups 	 Writing from 0 to 20.pdf: Write numbers from 0 to 20. Represent a number of objects with a written numeral. Numbers Practice Numbers 1-5 Add groups Count on by 1 Number Writing Practice
K.N.1.7 Find a number that is 1 more or 1 less than a given number up to 10.	 Number Instruction Make and Count Groups Count On Counting Back Number Counting Number Chart 	 Count forward.pdf: Count forward beginning with a given number within the known sequence. Let's Count On Toss and Count Count On by 1
K.N.1.8 Compare and order whole numbers from 0 to 10 with and without objects, using the vocabulary "more than," "less than," or "equal to."	 Song: Greater Than, Less Than; More Than, Fewer Than Book: For the Birds Greater Than, Less Than More Than, Fewer Than More Than Fewer Than 	Comparing numbers.pdf: Compare two numbers between 1 and 10 presented as written numerals. More or Less Spinner Catch Me If You Can! Greater or Less Less or Greater Spinner Board game
K.N.2 Develop conceptual understa	nding with addition and subtraction (up to 10) using c	bjects and pictures.
K.N.2.1 Compose and decompose numbers up to 10 using objects and pictures.	 Make and Count Groups Add Groups Act Out Addition Subtract Groups Act Out Subtraction 	 Decompose numbers.pdf: Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation. Addition Cubes Fact Families



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
K.N.3 Understand the relationship	between whole numbers and fractions through fair sh	nare.
K.N.3.1 Distribute a set of objects into at least two smaller equal sets.	Song: FractionsBook: Half for You and Half for MeMake and Count Groups	
K.N.4 Identify coins by name.		
K.N.4.1 Identify pennies, nickels, dimes, and quarters by name.	Song: Save Your PenniesCoin Identification	
Algebraic Reasoning and Algebra	(A)	
K.A.1 Duplicate patterns in a variet	y of contexts.	
K.A.1.1 Sort and group up to 10 objects into a set based upon characteristics such as color, size, and shape. Explain verbally what the objects have in common.	 Songs: Marmot Shapes; All Sorts of Laundry Book: Buttons, Buttons Sort 	 Classifying objects.pdf: Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. Let's Sort Sort
K.A.1.2 Recognize, duplicate, complete, and extend repeating, increasing, and decreasing patterns in a variety of contexts (i.e., shape, color, size, objects, sounds, movement).	 Song: Train Station Patterns Patterns Pattern: AB; ABB; ABC 	Patterns.pdf: Draw the next shape to continue a pattern.
Geometry and Measurement (GM)		
K.GM.1 Recognize and sort basic tv	vo-dimensional shapes, use two-dimensional and thre	ee-dimensional shapes to represent real-world object
K.GM.1.1 Recognize squares, circles, triangles, and rectangles.	 Songs: Marmot Shapes; Shapes, Shapes Books: The Shape of Things Circle, Square, Triangle, Rectangle Simple Shapes 	 Shape recognition.pdf: Correctly name shapes regardless of their orientations or overall size. Shapes Scavenger Hunt Shapes and Positioning
K.GM.1.2 Sort two-dimensional objects using characteristics such as shape and size.	 Songs: Marmot Shapes; All Sorts of Laundry Book: Buttons, Buttons Sort Size Simple Shapes 	 Classifying objects.pdf: Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. Let's Sort Sort



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
K.GM.1 Recognize and sort basic two	vo-dimensional shapes, use two-dimensional and three	e-dimensional shapes to represent real-world objects
K.GM.1.3 Identify attributes of two- dimensional shapes using informal and formal geometric language interchangeably, such as the number of corners/vertices and the number of sides/edges.	 Songs: Marmot Shapes; Shapes, Shapes; Corners and Sides Books: The Shape of Things; Imagination Shapes Simple Shapes 	 Shape recognition.pdf: Correctly name shapes regardless of their orientations or overall size. Shapes Scavenger Hunt Shapes and Positioning Shapes Flashcards
K.GM.1.4 Use smaller two-dimensional shapes to fill in the outline of a larger two-dimensional shape.	TangramsGeoboard	 Pattern Block Puzzles.pdf: Use the pattern blocks to fill in the shapes. Six Shape Outlines
K.GM.1.5 Compose larger, undefined shapes and structures using three-dimensional objects.	Tangrams Geoboard	 Form larger shapes.pdf: Compose simple shapes to form larger shapes. Combining Shapes
K.GM.1.6 Use basic shapes and spatial reasoning to represent objects in the real world.	 Songs: Position Cat; Kites; Get Over the Bugs; Shapes, Shapes, Shapes Books: The Shape of Things; Imagination Shapes; Up in the Air Over, Under, Above, Below Above, Below, Next to, On Over, Under, and Through Inside, Outside, Between Circle, Square, Triangle, Rectangle 	 Describing objects.pdf: Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. Shapes Scavenger Hunt



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
K.GM.2 Compare and order objects	according to location and measurable attributes.	
K.GM.2.1 Use words to compare objects according to length, size, weight, position, and location.	 Songs: Savanna Size; Measuring Plants; Position Cat; Get Over the Bugs; Monster Trucks Book: Up in the Air Position Over, Under, Above, Below Over, Under, and Through Inside, Outside, Between Above, Below, Next to, On First, Middle, Last Size Order Size Capacity Length Big and Little Tall and Short Heavy and Light 	Comparing objects.pdf: Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. Filling Table Order It Up Straw Rulers Measuring Walk Heavy or Light Make A Balance Size Scavenger Hunt Big and Little Sort Boxes in a Line Teddy Bear Line-Up Magazine Sorting Tall and Short Big and Little Tall and Short Heavy and Light Small, Medium, Large Measuring Length Measurable Attributes
K.GM.2.2 Order up to 6 objects using measurable attributes, such as length and weight.	Song: Measuring PlantsLengthOrder Size	
K.GM.2.3 Identify more than one shared attribute between objects, and sort objects into sets.	 Songs: Same and Different; All Sorts of Laundry Book: Buttons, Buttons Match Matching Sort 	 Classifying objects.pdf: Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. Let's Sort Sort



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
K.GM.2 Compare and order object	s according to location and measurable attributes co	ontinued.
K.GM.2.4 Compare the number of objects needed to fill two different containers.	Book: For the Birds Capacity Greater Than, Less Than More Than, Fewer Than More Than Fewer Than	Comparing objects.pdf: Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. Filling Table Order It Up Straw Rulers Measuring Walk Heavy or Light Make A Balance Size Scavenger Hunt Big and Little Sort Boxes in a Line Teddy Bear Line-Up Magazine Sorting Tall and Short Big and Little Tall and Short Heavy and Light Small, Medium, Large Measuring Length Measurable Attributes
K.GM.3 Tell time as it relates to da	ily life.	
K.GM.3.1 Develop an awareness of simple time concepts within daily life, using age-appropriate vocabulary (e.g., yesterday, today, tomorrow, morning, afternoon, night).	Yesterday/TomorrowToday	
Data and Probability (D)		
K.D.1 Collect, organize, and interp	et categorical data.	
K.D.1.1 Collect and organize information about objects and events in the environment.	Calendar/Graph Weather Observe a Simple System	Describing objects.pdf: Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to. Shapes Scavenger Hunt



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
K.D.1 Collect, organize, and interpre	et categorical data <i>continued</i> .	
K.D.1.2 Use categorical data to create real-object graphs and pictographs.	Book: Milton's MittensCalendar/Graph Weather	Make a Graph.pdf: Make a graph with shapes.
K.D.1.3 Draw conclusions from real- object graphs and pictographs.	Book: Milton's MittensCalendar/Graph Weather	Make a Graph.pdf: Make a graph with shapes.
FIRST GRADE		
Numbers and Operations (N)		
1.N.1 Count, compare, and represen	t whole numbers up to 100, with an emphasis on g	rouping in terms of tens and ones.
1.N.1.1 Recognize numbers to 20 without counting (subitize) the quantity of structured arrangements.	Moving Target (Dots)	
1.N.1.2 Use concrete representations to describe whole numbers between 10 and 100 in terms of tens and ones. Know that 10 is equivalent to 10 ones and 100 is equivalent to 10 tens.	Song: Place ValuePlace Value	 Tens as a bundle of ones.pdf: 10 can be thought of as a bundle of ten ones—called a "ten." Popsicles to Ten Thinking of 100 as a bundle of ten 10s.pdf: 100 can be thought of as a bundle of ten tens—called a "hundred." The Kingdom of Popsicle Stick-Filled Purses
1.N.1.3 Read, write, discuss, and represent whole numbers up to 100. Representations may include numerals, words, addition and subtraction, pictures, tally marks, number lines and manipulatives.	 Book: One More Cat Math Books Number Instruction Moving Target Make and Count Groups Act Out Addition Act Out Subtraction Bug Bits Match Numbers 	I Can Count to 100.pdf: Practice writing the numbers 1-100 on this blank chart.
1.N.1.4 Count forward, with objects, from any given number up to 100 by 1s, 2s, 5s and 10s.	 Songs: Counting On; Skip Counting; Hotel 100 Books: Navajo Beads; Jump Rope Rhymes Count On Skip Count 	 Count to 100 by ones and tens.pdf: Count to 100 by ones and tens. Missing Numbers Count On By 1 Numbers 1-5 Numbers 6-10 Math Newsletters Count By 10s Numbers 60-69 I Can Count to 100



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.N.1 Count, compare, and represent whole numbers up to 100, with an emphasis on grouping in terms of tens and ones continued.		
1.N.1.5 Count forward, without objects, by multiples of 1s, 2s, 5s, and 10s, up to 100.	 Songs: Counting On; Skip Counting; Hotel 100 Book: Jump Rope Rhymes Count On Skip Count 	 Count to 100 by ones and tens.pdf: Count to 100 by ones and tens. Missing Numbers Count On By 1 Numbers 1-5 Numbers 6-10 Count By 10s Numbers 60-69 I Can Count to 101
1.N.1.6 Find a number that is 10 more or 10 less than a given number up to 100.	Number ChartAdd 10Subtract 10	 Ten more or less.pdf: Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used. Ten-O Toss It Make a Number Subtract 10 Flashcards Bingo Addition of Tens
1.N.1.7 Compare and order whole numbers from 0 to 100.	 Book: For the Birds Greater Than, Less Than More Than, Fewer Than More Than Fewer Than Order Numbers 	
1.N.1.8 Use knowledge of number relationships to locate the position of a given whole number, up to 20, on an open number line.	Number LineUse the Number LineNumber Chart	
1.N.1.9 Use words such as "more than," "less than," and "equal to" to describe the relative value of numbers.	 Song: Greater Than, Less Than; More Than, Fewer Than More Than, Fewer Than Greater Than, Less Than 	 Comparing numbers.pdf: Compare two numbers between 1 and 10 presented as written numerals. More or Less Spinner Catch Me If You Can! Greater or Less Less or Greater Board game



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.N.2 Solve addition and subtractio	n problems with sums and minuends of up to 10 in real	l-world and mathematical contexts.
1.N.2.1 Represent and solve problems using addition and subtraction with sums and minuends of up to 10.	 Songs: Pirates Can Add; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction Book: Five Delicious Muffins Add Groups Subtract Groups Act Out Addition Act Out Subtraction 	Addition and subtraction word problems.pdf: Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. Additions Stories Act It Out Stories Manipulative Stories Edible Stories One, Two, Three, Show Circus Subtraction Partner Subtraction Farmer's Market Green and Speckled Frogs Cars and Trucks Subtraction Yummy Subtraction Act Out Addition Act Out Subtraction
1.N.2.2 Determine if equations involving addition and subtraction are true.	 Songs: Pirates Can Add; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction Book: Five Delicious Muffins Add Groups Subtract Groups Act Out Addition Act Out Subtraction Addition and Subtraction Fact Families 	Addition and subtraction word problems.pdf: Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. Additions Stories Act It Out Stories Manipulative Stories Edible Stories One, Two, Three, Show Circus Subtraction Partner Subtraction Farmer's Market Green and Speckled Frogs Cars and Trucks Subtraction Yummy Subtraction Act Out Addition Act Out Subtraction



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.N.2 Solve addition and subtractio	n problems with sums and minuends of up to 10 in rea	I-world and mathematical contexts <i>continued</i> .
1.N.2.3 Demonstrate fluency with basic facts of addition and subtraction with sums and minuends of up to 10.	 Songs: Fact Families; Counting On Books: Facts about Families Addition and Subtraction Fact Families Addition Sentences Subtraction Sentences Missing Addends Missing Minuends and Subtrahends Subtraction Patterns 	 Add and subtract within 20.pdf: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. The Three Little Bears Fact Family Bingo A Graph of Fact Families Bean Facts Draw a Picture Addition Number Pyramid Subtraction Sentences Model the Story Fact Families
1.N.3 Develop foundational ideas fo	r fractions.	
1.N.3.1 Partition a regular polygon using physical models and recognize when those parts are equal.	Song: FractionsBook: Halves and Fourths and ThirdsEqual-part Fractions	
1.N.3.2 Partition (fair share) sets of objects into two and three equal groups.	 Song: Fractions Book: Half for You and Half for Me; Halves and Fourths and Thirds Equal-part Fractions Fractions of Groups Label Parts of Fractions 	
1.N.4 Identify coins and their values		
1.N.4.1 Identify pennies, nickels, dimes, and quarters by name and value.	Song: MoneyBook: Bugs For SaleCoin IdentificationCoin ValueQuarters	
1.N.4.2 Write a number with the cent symbol to describe the value of a coin.	Song: MoneyBook: Bugs For SaleCoin IdentificationCoin ValueQuarters	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.N.4 Identify coins and their values	s continued.	
1.N.4.3 Determine the value of a collection of pennies, nickels, or dimes up to one dollar counting by 1s, 5s, and 10s.	 Song: Money Book: Bugs For Sale Count Quarters, Dimes, Nickels, and Pennies Count Dimes, Nickels, and Pennies Count Nickels and Pennies or Dimes and Pennies Quarters Skip Counting 	 Money word problems.pdf: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Supermarket Hunt Shopping for My Family Money Combinations Money Sums Pizza Parlor How Much Back? Coin Count Bills and Coins Let's Count Coins Money Addition Change is Good! Make 45¢
Algebraic Reasoning and Algebra ((A)	
1.A.1 Identify patterns found in real-	-world and mathematical problems.	
1.A.1.1 Identify, create, complete, and extend repeating, increasing, and decreasing patterns in a variety of contexts (e.g., quantity, numbers, or shapes).	 Song: Train Station Patterns Book: How King Snake Got His Name Logic Game 	Look for a Pattern.pdf: Practice filling in missing patterns.
Geometry and Measurement (GM)		
1.GM.1 Recognize and compose two	o- and three-dimensional shapes.	
1.GM.1.1 Identify regular and irregular trapezoids and hexagons by pointing to the shape when given the name.	Song: Kites	
1.GM.1.2 Compose larger, defined shapes using smaller two-dimensional shapes.	Song: KitesSpace ShapesGeoboardTangrams	 Form larger shapes.pdf: Compose simple shapes to form larger shapes. Combining Shapes
1.GM.1.3 Compose structures with three-dimensional shapes.	Waterford encourages everyone to have writing, drawing, and art materials available for children's creations.	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.GM.1 Recognize and compose two	- and three-dimensional shapes continued.	
1.GM.1.4 Recognize three-dimensional shapes such as cubes, cones, cylinders, pyramids, and spheres.	Songs: Kites; Corners and SidesSpace Shapes	 Draw shapes.pdf: Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Making Shapes Shapes Review
1.GM.2 Select and use nonstandard	and standard units to describe length and volume/cap	pacity.
1.GM.2.1 Use nonstandard and standard measuring tools to measure the length of objects.	 Song: Measuring Plants Length Nonstandard Units of Length Standard Units of Length Measurement Tools 	 Length Measurement.pdf: Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Measures of Me Measure a Handful Estimating Length A Fruit and Vegetable Measure Up! Inches/Centimeters Rulers
1.GM.2.2 Illustrate that the length of an object is the number of samesize units of length that, when laid end-to-end with no gaps or overlaps, reach from one end of the object to the other.	 Song: Measuring Plants Length Measurement Tools 	 Length Measurement.pdf: Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Measures of Me Measure a Handful Estimating Length A Fruit and Vegetable Measure Up! Inches/Centimeters Rulers



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.GM.2 Select and use nonstandard	and standard units to describe length and volume/o	capacity <i>continued</i> .
1.GM.2.3 Measure the same object/ distance with units of two different lengths and describe how and why the measurements differ.	Song: Measuring PlantsLengthMeasurement Tools	 Measuring the same object two ways.pdf: Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen. Ready, Set, Measure
1.GM.2.4 Describe a length to the nearest whole unit using a number with standard and nonstandard units.	 Length Measurement Tools 	 Length Measurement.pdf: Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Measures of Me Measure a Handful Estimating Length A Fruit and Vegetable Measure Up! Inches/Centimeters Rulers
1.GM.2.5 Use standard and nonstandard tools to identify volume/capacity. Compare and sort containers that hold more, less, or the same amount.	CapacityMeasurement Tools	
1.GM.3 Describe and measure conce	epts of time.	
1.GM.3.1 Tell time to the hour and half-hour (analog and digital).	 Song: Clock Hands Book: Mr. Romano's Secret, A Time Story Tell Time to the Hour Tell Time to the Half-hour 	 Hours and Half-hours.pdf: Tell and write time in hours and half-hours using analog and digital clocks. What Comes After, Before, Or Between? Make Your Own Clock Learning to Tell Time Matching Time What Numbers are Missing? What Time Is It? Time of Day Clock flashcards



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.GM.3 Describe and measure conce	epts of time <i>continued</i> .	
1.GM.3.2 Describe and measure calendar time by days, weeks, months, and years.	 Songs: Months of the Year; Days of the Week; Days in a Month Daily Calendar Yesterday/Tomorrow Today Calendar/Graph Weather 	
Data and Probability (D)		
1.D.1 Collect, organize, and interpre	t categorical and numerical data.	
1.D.1.1 Collect, sort, and organize data in up to three categories using representations (e.g., tally marks, tables, Venn diagrams).	 Songs: Tallying; Venn Diagrams Books: One More Cat; The Birds, the Beasts, and The Bat; The Boonville Nine Tally Marks Make a Table Venn Diagrams 	Data Categorization.pdf: Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. Ice Cream Sundae Make a Real Object Graph Make a Weather Bar Graph Weather Flashcards Our Favorite Foods Make a Graph Make a Table How Many? Bugs! Use Graphs and Tables How Big Is Your Family?



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
1.D.1 Collect, organize, and interpre	t categorical and numerical data <i>continued</i> .	
1.D.1.2 Use data to create pictographs and bar graphs that demonstrate one-to-one correspondence.	 Song: Graphing Book: The Boonville Nine Graphs Bar Graphs Picture Graphs 	Data Categorization.pdf: Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. Ice Cream Sundae Make a Real Object Graph Make a Weather Bar Graph Weather Flashcards Our Favorite Foods Make a Graph Make a Table How Many? Bugs! Use Graphs and Tables How Big Is Your Family?
1.D.1.3 Draw conclusions from pictographs and bar graphs.	 Song: Graphing Graphs Bar Graphs Picture Graphs 	 Data Categorization.pdf: Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. lce Cream Sundae Make a Real Object Graph Make a Weather Bar Graph Weather Flashcards Our Favorite Foods Make a Graph Make a Table How Many? Bugs! Use Graphs and Tables How Big Is Your Family?



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
SECOND GRADE		
Numbers and Operations (N)		
2.N.1 Compare and represent whole	numbers up to 1,000 with an emphasis on place val	ue and equality.
2.N.1.1 Read, write, discuss, and represent whole numbers up to 1,000. Representations should include, but are not limited to, numerals, words, pictures, tally marks, number lines, and manipulatives.	 Number Instruction Number Recognition and Sense Make and Count Groups Match Numbers 	 Read and write numbers to 1000.pdf: Read and write numbers to 1,000 using base-ten numerals, number names, and expanded form. Cube Trails Race For A Flat High/Low Number Cube Throw Lucky Five
2.N.1.2 Use knowledge of number relationships to locate the position of a given whole number, up to 100, on an open number line.	Number Line	
2.N.1.3 Use place value to describe whole numbers between 10 and 1,000 in terms of hundreds, tens and ones, including written, standard, and expanded forms. Know that 10 is equivalent to 10 ones and 100 is equivalent to 10 tens.	 Song; Place Value Place Value of 2-digit Numbers Place Value of 3-digit Numbers 	 Thinking of 100 as a bundle of ten 10s.pdf: 100 can be thought of as a bundle of ten tens—called a "hundred." The Kingdom of Popsicle Stick-Filled Purses
2.N.1.4 Find 10 more or 10 less than a given three-digit number. Find 100 more or 100 less than a given three- digit number.	 Mental Math Games Skip Count Place Value Number Chart Number Patterns 	 Mentally adding or subtracting 10 or 100.pdf: Mentally add 10 or 100 to a given number 100-900, and mentally subtract 10 or 100 from a given number 100-900. Spin and Solve
2.N.1.5 Use objects to determine whether a number is even or odd.	 Song: Odd Todd and Even Steven Skip Count by 2 Addition Facts 	 Odd and even recognition.pdf: Determine whether a group of objects (up to 20) has an odd or even number of members. Missing Patterns Counting by 2s What's My Number?



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.N.1 Compare and represent whole	numbers up to 1,000 with an emphasis on place valu	ue and equality <i>continued</i> .
2.N.1.6 Use place value understanding to round numbers to the nearest ten and nearest hundred (up to 1,000). Recognize when to round in real-world situations.	Song: RoundingBook: The Fable FairRound to Tens	Rounding Roundup.pdf: Practice rounding up numbers.
2.N.1.7 Use place value to compare and order whole numbers up to 1,000 using comparative language, numbers, and symbols (e.g., 425 > 276, 73 < 107, page 351 comes after page 350, 753 is between 700 and 800).	 Greater Than, Less Than Place Value Order Numbers 	 Less than, equal to, or greater than.pdf: Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons. More or Less The Hands Have It! Larger or Smaller? Comparing Number Cards Number Cards <,>, = Cards Greater Than, Less Than, Equal To
2.N.2 Add and subtract one- and tw	o-digit numbers in real-world and mathematical prob	olems.
2.N.2.1 Use the relationship between addition and subtraction to generate basic facts with sums and minuends of up to 20.	 Song: Fact Families Addition and Subtraction Relationship Addition and Subtraction Fact Families 	Add and subtract within 20.pdf: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. The Three Little Bears Fact Family Bingo A Graph of Fact Families Bean Facts Draw a Picture Addition Number Pyramid Subtraction Sentences Model the Story Fact Families
2.N.2.2 Demonstrate fluency with basic addition facts and related subtraction facts up to 20.	 Song: Fact Families Addition and Subtraction Relationship Addition and Subtraction Fact Families Speed Games 	 Adding and subtracting within 20.pdf: Fluently add and subtract within 20 using mental strategies. Addition and Subtraction—horizontal Addition and Subtraction—vertical Addition and subtraction—horizontal and vertical



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.N.2 Add and subtract one- and tw	vo-digit numbers in real-world and mathematical pro	oblems continued.
2.N.2.3 Estimate sums and differences up to 100.	Logic Game	
2.N.2.4 Use strategies and algorithms based on knowledge of place value and equality to add and subtract two-digit numbers.	 Songs: Fact Families; Place Value Addition and Subtraction Relationship Addition and Subtraction Fact Families Place Value 	 Explaining addition and subtraction strategies.pdf: Explain why addition and subtraction strategies work, using place value and the properties of operations. Cube Trails Race for a Flat High/Low Number Cube Throw Lucky Five
2.N.2.5 Solve addition and subtraction problems involving whole numbers up to two digits.	 Song: Fact Families Addition and Subtraction Relationship Addition and Subtraction Fact Families 	 Add and subtract within 100.pdf: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Addition of Two-Digit Numbers Tic Tac Toe Subtraction of Two-Digit Numbers
2.N.2.6 Use concrete models and structured arrangements, such as repeated addition, arrays, and ten frames to develop an understanding of multiplication.	 Song: Multiplication Book: Tyrannosaurus X 1 Multiplication Multiply Using Arrays Multiply Using Repeated Addition 	
2.N.3 Explore the foundational idea	s of fractions.	
2.N.3.1 Identify the parts of a set and area that represent fractions for halves, thirds, and fourths.	 Song: Fractions Books: The Fraction Twins; Halves and Fourths and Thirds Label Parts of Fractions Fractions of Regions Fractions of Groups 	 Fractions.pdf: Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape. Frenzied Fraction Fun Fabulous Fractions



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.N.3 Explore the foundational idea	s of fractions <i>continued</i> .	
2.N.3.2 Construct equal-sized portions through fair sharing (length, set, and area models for halves, thirds, and fourths).	 Song: Fractions Books: The Fraction Twins; Halves and Fourths and Thirds Label Parts of Fractions Fractions of Regions Fractions of Groups 	Fractions.pdf: Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape. Frenzied Fraction Fun Fabulous Fractions
2.N.4 Determine the value of a set	of coins.	
2.N.4.1 Determine the value of a collection of coins up to one dollar using the cent symbol.	 Song: Money Books: Bugs For Sale; Fudge For Sale Coin Identification Coin Value Count Coins Count Bills and Coins Count Quarters, Dimes, Nickels, and Pennies 	 Money word problems.pdf: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and \$ symbols appropriately. Supermarket Hunt Shopping for My Family Money Combinations Money Sums Pizza Parlor How Much Back? Coin Count Bills and Coins Let's Count Coins Money Addition Change is Good! Make 45\$



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.N.4 Determine the value of a set of	of coins <i>continued</i> .	
2.N.4.2 Use a combination of coins to represent a given amount of money up to one dollar.	 Song: Money Coin Identification Coin Value Count Coins Count Bills and Coins Count Quarters, Dimes, Nickels, and Pennies Equivalent Sums of Money 	 Money word problems.pdf: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. Supermarket Hunt Shopping for My Family Money Combinations Money Sums Pizza Parlor How Much Back? Coin Count Bills and Coins Let's Count Coins Money Addition Change is Good! Make 45¢
Algebraic Reasoning and Algebra (
	d in patterns to solve real-world and mathematical pr	roblems.
2.A.1.1 Represent, create, describe, complete, and extend increasing and decreasing patterns with quantity and numbers in a variety of contexts.	 Song: Train Station Patterns Book: How King Snake Got His Pattern Patterns of 2-digit Numbers Patterns of 3-digit Numbers Addition Patterns Subtraction Patterns Number Patterns Number Sequences and Patterns 	
2.A.1.2 Represent and describe repeating patterns involving shapes in a variety of contexts.	 Songs: Train Station Patterns; Marmot Shapes Book: How King Snake Got His Pattern Extend Patterns Logic Game 	
2.A.2 Use number sentences involvi	ng unknowns to represent and solve real-world and n	nathematical problems.
2.A.2.1 Use objects and number lines to represent number sentences.	Song: Finding the DifferenceNumber LineAddition SentencesSubtraction Sentences	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.A.2 Use number sentences involv	ring unknowns to represent and solve real-world and	l mathematical problems <i>continued</i> .
2.A.2.2 Generate models and situations to represent number sentences and vice versa. 2.A.2.3 Apply the commutative	 Song: Problem Solving Books: Painting By Number; Circus 20 Addition Sentences Subtraction Sentences Add Vertical Squares Add With Manipulatives Addition and Subtraction Relationship 	Addition and subtraction word problems.pdf: Solve
property, identity property, and number sense to find values for unknowns that make addition and subtraction number sentences true or false.	 Commutative Properties of Addition Addition and Subtraction Fact Families Addition Subtraction Add without Regrouping Add with Regrouping Subtract without regrouping Subtract with Regrouping Act Out Addition Act Out Subtraction Number Recognition and Sense 	addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. - Additions Stories - Act It Out Stories - Manipulative Stories - Edible Stories - One, Two, Three, Show - Circus Subtraction - Partner Subtraction - Farmer's Market - Green and Speckled Frogs - Cars and Trucks Subtraction - Yummy Subtraction - Act Out Addition - Act Out Addition - Addition Newsletter - Subtraction Flashcards
Geometry and Measurement (GM)		
2.GM.1 Analyze attributes of two-	and three-dimensional figures and develop generaliz	ations about their properties.
2.GM.1.1 Recognize regular and irregular trapezoids and hexagons.	Song: Kites	
2.GM.1.2 Describe, compare, and classify two-dimensional figures according to their geometric attributes.	 Songs: Kites; Shapes, Shapes Books: The Shape of Things; Imagination Shapes Circle, Square, Triangle, Rectangle Simple Shapes 	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.GM.1 Analyze attributes of two- a	nd three-dimensional figures and develop generaliza	tions about their properties <i>continued</i> .
2.GM.1.3 Compose and decompose two-dimensional shapes using triangles, squares, hexagons, trapezoids, and rhombi.	GeoboardTangrams	
2.GM.1.4 Sort three-dimensional shapes based on attributes such as number of faces, vertices, and edges.	Song: Corners and SidesWorld ShapesSpace Shapes	
2.GM.1.5 Recognize right angles and classify angles as smaller or larger than a right angle.		
2.GM.2 Understand length as a mea	surable attribute and explore capacity.	
2.GM.2.1 Explain the relationship between the size of the unit of measurement and the number of units needed to measure the length of an object.	 Song: Measuring Plants Length Standard Units of Length Nonstandard Units of Length Measurement Tools 	 Length Measurement.pdf: Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Measures of Me Measure a Handful Estimating Length A Fruit and Vegetable Measure Up! Inches/Centimeters Rulers
2.GM.2.2 Explain the relationship between length and the numbers on a ruler by using a ruler to measure lengths to the nearest whole unit.	LengthStandard Units of LengthMeasurement Tools	
2.GM.2.3 Explore how varying shapes and styles of containers can have the same capacity.	Book: Birds at My House Capacity	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
2.GM.3 Tell time to the quarter hou	r.	
2.GM.3.1 Distinguish between a.m. and p.m.		 Tell and write time.pdf: Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m. Matching Clocks Cartoon Captions Time to 5 Minutes
2.GM.3.2 Read and write time to the quarter-hour on an analog and digital clock.	 Song: Telling Time Tell Time to the Hour Tell Time to the Half-hour Tell Time to the Quarter Hour 	
Data and Probability (D)		
2.D.1 Collect, organize, and interpre	et data.	
2.D.1.1 Explain that the length of a bar in a bar graph and the number of objects in a pictograph represents the number of data points for a given category.	 Song: Graphing Bar Graphs Picture Graphs 	Graphs.pdf: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph. Questions and Answers Library Book Survey Playground Survey Rock Collections Use Graphs and Tables
2.D.1.2 Organize a collection of data with up to four categories using pictographs and bar graphs with intervals of 1s, 2s, 5s or 10s.	 Book: Painting By Number Bar Graphs Picture Graphs 	 Graphs.pdf: Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph. Questions and Answers Library Book Survey Playground Survey Rock Collections Use Graphs and Tables



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES	
2.D.1 Collect, organize, and interpret data <i>continued</i> .			
2.D.1.3 Write and solve one-step word problems involving addition or subtraction using data represented within pictographs and bar graphs with intervals of one.	 Book: Painting By Number Bar Graphs Picture Graphs 	Data Categorization.pdf: Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. Ice Cream Sundae Make a Real Object Graph Make a Weather Bar Graph Weather Flashcards Our Favorite Foods Make a Graph Make a Table How Many? Bugs! Use Graphs and Tables How Big Is Your Family?	
2.D.1.4 Draw conclusions and make predictions from information in a pictograph and bar graph.	 Book: Painting By Number Bar Graphs Picture Graphs Story Problem Strategies Problem Solving Strategies 	Data Categorization.pdf: Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. Ice Cream Sundae Make a Real Object Graph Make a Weather Bar Graph Weather Flashcards Our Favorite Foods Make a Graph Make a Table How Many? Bugs! Use Graphs and Tables How Big Is Your Family?	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
	SCIENCE	
KINDERGARTEN		
Motion and Stability of Forces (PS2	2)	
K.PS2.1 Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	Song: Push and PullBook: Mr. Mario's NeighborhoodPush and Pull	Learning Together: How It Works
K.PS2.2 Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or pull.*	Song: Push and PullPush and Pull	
Energy (PS3)		
K.PS3.1 Make observations to determine the effect of sunlight on Earth's surface.	Songs: Water; Plants Are Growing; Sun BluesSunWater	
K.PS3.2 Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.*	Waterford encourages everyone to have writing, drawing, and art materials available for children's creations.	Sun and Shade Pictures
From Molecules to Organisms: Stru	octure and Function (LS1)	
K.LS1.1 Use observations to describe patterns of what plants and animals (including humans) need to survive.	 Songs: Water; Food From Plants Books: Mela's Water Pot; Everybody Needs to Eat Sun Plants Water Plants and Animals Need Air Healthy Plants' Needs 	 More to Explore Experiment: Water for Plants Learning Together: Green and Growing



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Earth Systems (ESS2)		
K.ESS.2.1 Use and share observations of local weather conditions to describe patterns over time.	 Song: Seasons Book: That's What I Like: A Book About Seasons Weather Calendar/Graph Weather Weather Patterns Clouds Spring Summer Fall Winter 	 Learning Together: Weather; The Weather Around Us Weather Cards
K.ESS2.2 Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.	Books: Winter Snoozers; Birds at my House; The Old Maple Tree; Turtle's Pond	
Earth and Human Activity (ESS3)		
K.ESS3.1 Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.	 Song: Four Ecosystems Book: Where in the World Would You Go Today? Oceans Mountains Deserts Rainforests 	Learning Together: Our Earth
K.ESS3.2 Ask questions to understand the purpose of weather forecasting to prepare for and respond to severe weather.*	 Songs: Precipitation; Storms Book: Whatever the Weather Weather Tools Calendar/Graph Weather 	
FIRST GRADE		
Waves and Their Applications in Te	chnologies for Information Transfer (PS4)	
1.PS4.1 Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.	Song: SoundBook: What Sounds SaySound Waves	More to Explore Experiment: Sound



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Waves and Their Applications in Te	chnologies for Information Transfer (PS4) continued	
1.PS4.2 Make observations to construct an evidence-based account that objects can be seen only when illuminated.	 Books: My Family Campout; Lightning Bugs; Noise in the Night Light Properties Properties of Light 	
1.PS4.3 Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.	Book: My Family CampoutLight PropertiesProperties of Light	
1.PS4.4 Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.*	Song: Inventing Books: I Want to Be a Scientist Like Thomas Edison; Inventions All Around	
From Molecules to Organisms: Stru	cture and Function (LS1)	
1.LS1.1 Use materials to design a solution to a human problem by mimicking how plants and/or animals use their external parts to help them survive, grow, and meet their needs.*	 Books: I Wish I Had Ears Like a Bat; Animal Bodies; Fawn Eyes Deserts 	
1.LS1.2 Obtain information from media and/or text to determine patterns in the behavior of parents and offspring that help offspring survive.	Song: Animal BodiesAnimal BehaviorAnimal Bodies	
1.LS3.1 Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.	 Books: George and Jack; A Seed Grows Build Knowledge: Mine 	More to Explore Experiment: Traits
Earth's Place in the Universe (ESS1)		
1.ESS1.1 Use observations of the sun, moon, and stars to describe patterns that can be predicted.	 Songs: The Moon; Sun Blues Books: Moon Song; Star Pictures; My Family Campout Sun Moon Constellations 	 More to Explore Experiment: The Moon Learning Together: The Sky Above Us



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Earth's Place in the Universe (ESS1)	continued	
1.ESS1.2 Make observations at different times of year to relate the amount of daylight and relative temperature to the time of year.	SunSpringSummerFallWinter	
Earth and Human Activity (ESS3)		
1.ESS3.1 Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.*	Songs: Conservation; Pollution RapPollution and RecyclingCare of WaterCare of Earth	 More to Explore Experiment: Recycling Learning Together: Our Earth
SECOND GRADE		
Matter and Its Interactions (PS1)		
2.PS1.1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	Book: Warm Soup for DedushkaChanges in MatterStates of WaterMaterials	
2.PS1.2 Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for the intended purpose.*	 Book: Warm Soup for Dedushka Heat Movement Movement of Heat Heat Experiment 	
2.PS1.3 Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object	 Books: I Want to Be a Scientist Like Wilbur and Orville Wright; Inventions All Around Geoboard Tangrams 	
2.PS1.4 Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.	Book: Warm Soup for DedushkaMatterChanges in MatterMovement of Heat	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Ecosystems: Interactions, Energy a	nd Dynamics (LS2)	
2.LS2.1 Plan and conduct an investigation to determine if plants need sunlight and water to grow.	Song: Plants Are GrowingSunWaterPlant ExperimentHealthy Plants' Needs	More to Explore Experiment: Light for Plants
2.LS2.2 Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.*	Books: The Bee's Secret; The Old Maple Tree	
Biological Unity and Diversity (LS4)	
2.LS4.1 Make observations of plants and animals to compare the diversity of life in different habitats.	 Songs: Animal Bodies; Four Ecosystems Books: Animal Bodies; Where in the World Would You Go Today? Ecosystems Animal Bodies Animal Behavior 	Learning Together: Places on Earth
Earth's Place in the Universe (ESS1)		
2.ESS1.1 Use information from several sources to provide evidence that Earth events can occur quickly or slowly.	 Songs: The Four Seasons; Rock Cycle Books: That's What I Like: A Book About Seasons; Whatever the Weather; Fossils Under Our Feet Rock Cycle Fossils Spring Summer Fall Winter Water 	More to Explore Experiment: Rocks
Earth's Systems (ESS2)		
2.ESS2.1 Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.*	Waterford encourages everyone to have writing, drawing, and art materials available for children's creations.	



OKLAHOMA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Earth's Systems (ESS2) continued		
2.ESS2.2 Develop a model to represent the shapes and kind of land and bodies of water in an area.	 Songs: Water; Precipitation; Water Is All Around Water Sources Water Water Cycle Care of Water Oceans 	
2.ESS2.3 Obtain information to identify where water is found on Earth and that it can be solid or liquid.	 Songs: Water; Uses of Water; Precipitation; Water Is All Around Water Sources Water Water Cycle Care of Water States of Water Heat Changes Water 	

WATERFORD Books and Related Activities



PRE-MATH & SCIENCE

Math Books

Zero In My Toybox; One Day on the Farm; Two Feet; Look for Three; Four Fine Friends; Grandpa's Great Athlete: A Book About 5; Hide and Seek Six; Just Seven; Eight at the Lake; 9 Cat Night; Ten for My Machine; The Search for Eleven: The Tasty Number Twelve: Thirteen in My Garden; Fourteen Camel Caravan; Fifteen on a Spring Day; Dinner for Sixteen; The Seventeen Machine; Eighteen Carrot Stew; Nineteen Around the World; Twenty Clay Children; Poor Wandering 1; Snowy Twos Day; 1, 2, 3, 4 in the Jungle; Give Me 5; Suzy Ladybug; 7 Train; 8 Octopus Legs; Highway 9; 10 Astronauts; When I Saw 11; I Love the Number 12: 13 Clues: 14 Camels: Fun 15: 16 Ants; Counting to 17; 18 Carrot Stew; 19 Around the World; 20 Fingers and Toes

Science Books

That's What I Like: A Book about Seasons; I Want to Be a Scientist Like Jane Goodall; Mr. Mario's Neighborhood; Mela's Water Pot; I Want to Be a Scientist Like Wilbur and Orville Wright; Follow the Apples!; I Want to Be a Scientist Like George Washington Carver; Guess What I Am; Where in the World Would You Go Today?; Star Pictures; I Wish I Had Ears Like a Bat; Creepy Crawlers

Counting Songs

Asian Counting, Marching Band Counting, Flower Counting, Country Counting, Dixieland Counting, Funky Counting, Reggae Counting, Salsa Counting, Techno Counting, Bagpipe Counting, Counting on the Mountain

Number Songs

Count to 31; Hotel 100; Zero Is a Big Round Hole; Poor Wandering 1; Snowy Twos Day; 1, 2, 3, 4 in the Jungle; Give Me 5; Suzy Ladybug; 7 Train; 8 Octopus Legs; Highway 9; 10 Astronauts; When I Saw 11; I Love the Number 12; 13 Clues; 14 Camels; Fun 15; 16 Ants; Counting to 17; 18 Carrot Stew; 19 Around the World; 20 Fingers and Toes

BASIC MATH & SCIENCE

Math & Science Books

One More Cat: Can You Guess? A Story for Two Voices: I Want to Be a Scientist Like Carl Linnaeus: I Want to Be a Scientist Like Antoni van Leeuwenhoek; Whatever the Weather; I Want to Be a Mathematician Like Sophie Germain: Water Is All Around; Mr. Romano's Secret: A Time Story; A Seed Grows; How Long is a Minute?; Marty's Mixed-up Mom: I Want to Be a Scientist Like Louis Pasteur; Pancakes Matter; Jump Rope Rhymes; Facts About Families: Fifteen Bayou Band: Hooray. Hooray for the One Hundredth Day!; Symmetry and Me: Animal Bodies: Everybody Needs to Eat: The Circus Came to Town: I Want to Be a Mathematician Like Thales: Bugs for Sale: Heads or Tails; Your Backyard; The Birds, the Beasts and the Bat: Halves and Fourths and Thirds: We All Exercise; Circus 20; Red Rock, River Rock; Painting by Number: I Want to Be a Scientist Like Joanne Simpson; Navajo Beads; Where in the World Would You Go Today?: I Want to Be a Scientist Like Wilbur and Orville Wright

FLUENT MATH & SCIENCE

Math & Science Books

The Snow Project; Chloe's Cracker Caper; What Sounds Say; Fossils Under Our Feet; The Boonville Nine; I Want to Be a Scientist Like Alexander von Humboldt: I Want to Be a Scientist Like Marie Curie; I Want to Be a Scientist Like Stephen Hawking; George and Jack; The Old Maple Tree; A Dinosaur's First Day; I Want to Be a Scientist Like Isaac Newton; My Family Campout; I Want to Be a Scientist Like Thomas Edison; Warm Soup for Dedushka; How Did the Chicken Cross the Road?: Inventions All Around: The Beginning of Numbers: I Want to Be a Mathematician Like Ada Byron Lovelace; Lightning Bells: Tyrannosaurus X 1; Halves and Fourths and Thirds; Navajo Beads; Red Rock, River Rock; I Want to Be a Mathematician Like Srinivasa Ramanujan; The Fraction Twins; Yangshi's Perimeter; I Want to Be a Mathematician Like Archimedes; Birds at My House; Painting by Number; The Fable Fair

SUPPORT



Professional Services offers a continuum of customizable services. Learn more here.

CONTINUAL DEVELOPMENT

As a nonprofit research institute, <u>Waterford.org</u> is continually developing resources with the latest research findings. Please note that this correlation is accurate as of the date on the cover.

WATERFORD Family Engagement Resources



SPANISH FAMILY ENGAGEMENT RESOURCES

All Waterford books and many of the resources available to families at mentor.waterford.org can be found in Spanish or with Spanish support.

SONGS

Beginning Math Songs

Odd Todd and Even Steven; Salsa Counting; On the Bayou—Addition; Subtract Those Cars; More Than, Fewer Than; A Nice Addition; Marching Band Counting; Doubles 1–5; Multiply by O

Nursery Songs and Rhymes

Rhyming Words; A: The Apple Tree; B: Bluebird, Bluebird; C: Pat-a-Cake; D: Hey Diddle, Diddle; E: One Elephant Went Out to Play; F: The Farmer in the Dell; G: Ten Little Goldfish; H: All the Pretty Little Horses; I: Mother, Mother, I Am Ill; J: Jack and Jill; K: Three Little Kittens; L: Mary Had a Little Lamb; M: Little Miss Muffett; N: I Touch My Nose Like This (Spanish); O: Polly, Put the Kettle On; P: This Little Pig; Q: Quack, Quack, Quack; R: Little Rabbit (Chinese); S: Eensy, Weensy Spider; T: Tortillas, Tortillas (Spanish); U: The Bus; V: My Valentine; W: Wee Willie Winkie; X: A-hunting We Will Go; Y: Yankee Doodle

Beginning Reading Songs

Comma, Comma, Comma; Homophone Monkey; Antonym Ant; Apples and Bananas; Old MacDonald's Vowels; ABC Show and Tell Sounds; ABC Tongue Twisters; ABC Picture Sounds; Sheep in the Shadows; C-K Rap; S Steals the Z; Blends; Blicky Licky Land; Apostrophe Pig; Capital Letters—Days; Charley Chick; Adjectives Describe; Lazy Letter Q; Nouns; Verbs; Adverbs; Irregular Verbs; Preposition Cat; Verbs that Link; Consonants; Pronouns, Sneaky Magic E; Silent Letters—G-H; Silent Letters—W; Drop Magic E; Bossy Mr. R; P-H and G-H Say Fff; Schwa Sound; Double the Fun; Strange Spelling; More Than One; Reading Detective—Peek at the Story

WEEKLY HOMELINK NEWSLETTERS

Weekly newsletters (28 in all) are available for teachers to share with families. The newsletters explain what children are learning during the week and provide resources and activities to involve families.

MATH HOMELINK NEWSLETTERS

Match, Position, Shapes, Counting, Patterns Sort, Size, Number Sense (1–10), Order (1–10), Count On, Measurement (length), Count Down, Addition (10), Numbers 11–15, Numbers 16–20

SCIENCE HOMELINK NEWSLETTERS

The World Around Us (5 senses), Living Things (living v. non-living), Plants, Vertebrates, Invertebrates, The Sky Above Us (sun, moon, stars), Our Earth (recycle, ecosystems), How it Works (push/pull, solid/liquid, magnets, materials)

WATERFORD MENTOR

<u>Waterford Mentor</u> is a secure website where families can log in to see their child's usage and learning achievements. Waterford families also receive short messages with ideas on how to engage in their child's learning and have access to hundreds of resources and activities.

READING HOMELINK NEWSLETTERS

Alphabet Knowledge

Comprehension and Vocabulary

Sum Up: Remember Order, Sum Up: Remember Details, Peek at the Story, Guess and Check, Connect to Me, Build Knowledge

Readiness Skills Letters

Naming Parts of the Body; First, Next, Last; One-to-One Correspondence; Opposites; Look at Details (identify same and different)

Phonological Awareness Letters

What Is Rhyming?, Which Words Rhyme?, Sentences Are Made Up of Words, Making Compound Words, Breaking Compound Words, What Is a Syllable?, Put Syllables Together to Make Words, Break Words into Syllables, The First Sound in a Word, Words with the Same First Sound, Making Words from First Sounds and the Rest



Waterford Mentor is available online and in the Mentor app (for iOS and Android).