

CURRICULUM *Correlation*

*Waterford Early
Learning:*

*Math & Science
and Classroom
Advantage*

100%

*Florida's
B.E.S.T.
Standards:
Mathematics
2020*

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FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
KINDERGARTEN		
NUMBER SENSE AND OPERATIONS		
MA.K.NSO.1 Develop an understanding for counting using objects in a set.		
<p>MA.K.NSO.1.1 Given a group of up to 20 objects, count the number of objects in that group and represent the number of objects with a written numeral. State the number of objects in a rearrangement of that group without recounting.</p>	<ul style="list-style-type: none"> • Math Books • Counting Songs • Number Songs • Number Counting • Number Instruction • Counting Puzzle • Make and Count Groups • One-to-One Correspondence • Match Numbers • Dot-to-Dot 	<ul style="list-style-type: none"> • Writing from 0 to 20.pdf: Write numbers from 0 to 20. Represent a number of objects with a written numeral. <ul style="list-style-type: none"> - Numbers Practice: 1-20 - Numbers 1-5 - Count on by 1 - Number Writing Practice: 0-20 • Object Counting Grouping.pdf: Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. <ul style="list-style-type: none"> - Mixed Up Counting
<p>MA.K.NSO.1.2 Given a number from 0 to 20, count out that many objects.</p>	<ul style="list-style-type: none"> • Counting Songs • Number Songs • Math Books • Number Counting • Order Numbers • One-to-one Correspondence • Make and Count Groups • Number Instruction • Counting Puzzle • Dot-to-Dot 	<ul style="list-style-type: none"> • Object Counting Basics.pdf: When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. <ul style="list-style-type: none"> - Number Walk
<p>MA.K.NSO.1.3 Identify positions of objects within a sequence using the words “first,” “second,” “third,” “fourth” or “fifth.”</p>	<ul style="list-style-type: none"> • Song: Ordinals • Book: The Circus Came to Town • Number Counting • Ordinal Numbers 	
<p>MA.K.NSO.1.4 Compare the number of objects from 0 to 20 in two groups using the terms less than, equal to or greater than.</p>	<ul style="list-style-type: none"> • Book: For the Birds • Greater Than, Less Than • More Than, Fewer Than • More Than • Fewer Than 	<ul style="list-style-type: none"> • Comparing numbers.pdf: Compare two numbers between 1 and 10 presented as written numerals. <ul style="list-style-type: none"> - More or Less Spinner - Catch Me If You Can! - Greater or Less - Less or Greater - Spinner - Board game - Number cards

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.K.NSO.2 Recite number names sequentially within 100 and develop an understanding for place value.		
<p>MA.K.NSO.2.1 Recite the number names to 100 by ones and by tens. Starting at a given number, count forward within 100 and backward within 20.</p>	<ul style="list-style-type: none"> • Songs: Counting Backward; Counting On; Skip Counting • Book: A Space Adventure • Number Songs • Counting Songs • Math Books • Number Counting • Order Numbers • Number Instruction • Skip Counting • Counting Puzzle • Count On • Count On by 1 • Count Down • Counting Back 	<ul style="list-style-type: none"> • Counting forward.pdf: Count forward beginning with a given number within the known sequence. <ul style="list-style-type: none"> - Let's Count On - Toss and Count - Count On by 1 - Math Newsletter: Count On - Flashcards
<p>MA.K.NSO.2.2 Represent whole numbers from 10 to 20, using a unit of ten and a group of ones, with objects, drawings and expressions or equations.</p>	<ul style="list-style-type: none"> • Place Value 	<ul style="list-style-type: none"> • Tens and ones.pdf: Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation; understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones. <ul style="list-style-type: none"> - Place Value 11-19
<p>MA.K.NSO.2.3 Locate, order and compare numbers from 0 to 20 using the number line and terms less than, equal to or greater than.</p>	<ul style="list-style-type: none"> • Book: For the Birds • Greater Than, Less Than • More Than, Fewer Than • Number Line • More Than • Fewer Than • Order Numbers 	<ul style="list-style-type: none"> • Comparing numbers.pdf: Compare two numbers between 1 and 10 presented as written numerals. <ul style="list-style-type: none"> - More or Less Spinner - Catch Me If You Can! - Greater or Less - Less or Greater - Spinner - Board game - Number cards

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
<p>MA.K.NSO.3 Develop an understanding of addition and subtraction operations with one-digit whole numbers.</p>		
<p>MA.K.NSO.3.1 Explore addition of two whole numbers from 0 to 10, and related subtraction facts.</p>	<ul style="list-style-type: none"> • Songs: Addition; Pirates Can Add; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction • Book: Five Delicious Muffins • Make and Count Groups • Add Groups • Subtract Groups • Act Out Addition • Act Out Subtraction 	<ul style="list-style-type: none"> • Add and subtract within 20.pdf: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. <ul style="list-style-type: none"> - The Three Little Bears - Fact Family Bingo - A Graph of Fact Families
<p>MA.K.NSO.3.2 Add two one-digit whole numbers with sums from 0 to 10 and subtract using related facts with procedural reliability.</p>	<ul style="list-style-type: none"> • Songs: Addition; 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 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - 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 - Addition Newsletter - Subtraction Newsletter - Subtraction Flashcards

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
ALGEBRAIC REASONING		
MA.K.AR.1 Represent and solve addition problems with sums between 0 and 10 and subtraction problems using related facts.		
<p>MA.K.AR.1.1 For any number from 1 to 9, find the number that makes 10 when added to the given number.</p>	<ul style="list-style-type: none"> • Missing Addends • Count On • Act Out Addition 	<ul style="list-style-type: none"> • Numbers that make 10.pdf: For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation. <ul style="list-style-type: none"> - How Many More?
<p>MA.K.AR.1.2 Given a number from 0 to 10, find the different ways it can be represented as the sum of two numbers.</p>	<ul style="list-style-type: none"> • Make and Count Groups • Add Groups • Subtract Groups • Act Out Subtraction 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - Addition Cubes - Fact Families
<p>MA.K.AR.1.3 Solve addition and subtraction real-world problems using objects, drawings or equations to represent the problem.</p>	<ul style="list-style-type: none"> • Songs: Addition; 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 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - 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 - Addition Newsletter - Subtraction Newsletter - Subtraction Flashcards

FLORIDA'S B.E.S.T. STANDARDS: MATHEMATICS 2020

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.K.AR.2 Develop an understanding of the equal sign.		
MA.K.AR.2.1 Explain why addition or subtraction equations are true using objects or drawings.	<ul style="list-style-type: none"> • Greater Than, Less Than • More Than, Fewer Than • Act Out Addition • Act Out Subtraction • Make and Count Groups 	
MEASUREMENT		
MA.K.M.1 Identify and compare measurable attributes of objects.		
MA.K.M.1.1 Identify the attributes of a single object that can be measured such as length, volume or weight.	<ul style="list-style-type: none"> • Song: Measuring Plants • Length • Capacity 	<ul style="list-style-type: none"> • Measurable attributes.pdf: Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. <ul style="list-style-type: none"> - Filling Table - Order It Up - Straw Rulers - Measuring Walk - Heavy or Light - Make A Balance - Measurable Attributes
MA.K.M.1.2 Directly compare two objects that have an attribute which can be measured in common. Express the comparison using language to describe the difference.	<ul style="list-style-type: none"> • Songs: Savanna Size, Measuring Plants • Capacity • Length • Order Size • Big and Little • Tall and Short • Heavy and Light • Size • Match 	<ul style="list-style-type: none"> • Comparing objects.pdf: Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. <ul style="list-style-type: none"> - 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

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.K.M.1 Identify and compare measurable attributes of objects <i>continued</i>.		
<p>MA.K.M.1.3 Express the length of an object, up to 20 units long, as a whole number of lengths by laying non-standard objects end to end with no gaps or overlaps.</p>	<ul style="list-style-type: none"> • Song: Measuring Plants • Length • Nonstandard Units of Length 	<ul style="list-style-type: none"> • Measurable attributes.pdf: Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object. <ul style="list-style-type: none"> - Filling Table - Order It Up - Straw Rulers - Measuring Walk - Heavy or Light - Make a Balance - Measurable Attributes
GEOMETRIC REASONING		
MA.K.GR.1 Identify, compare and compose two- and three-dimensional figures.		
<p>MA.K.GR.1.1 Identify two- and three-dimensional figures regardless of their size or orientation. Figures are limited to circles, triangles, rectangles, squares, spheres, cubes, cones and cylinders.</p>	<ul style="list-style-type: none"> • Song: Shapes, Shapes, Shapes • Books: The Shape of Things; Imagination Shapes • Circle, Square, Triangle, Rectangle • Solid Shapes • World Shapes 	<ul style="list-style-type: none"> • Shape recognition.pdf: Correctly name shapes regardless of their orientations or overall size. <ul style="list-style-type: none"> - Shapes Scavenger Hunt - Shapes and Positioning - Shapes Flashcards
<p>MA.K.GR.1.2 Compare two-dimensional figures based on their similarities, differences and positions. Sort two-dimensional figures based on their similarities and differences. Figures are limited to circles, triangles, rectangles and squares.</p>	<ul style="list-style-type: none"> • Songs: Corners and Sides; All Sorts of Laundry • Books: The Shape of Things; Imagination Shapes; Buttons, Buttons; Up in the Air • Circle, Square, Triangle, Rectangle • Simple Shapes • Similar Figures • Sort 	<ul style="list-style-type: none"> • Compare shapes.pdf: Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/“corners”) and other attributes (e.g., having sides of equal length). <ul style="list-style-type: none"> - Comparing Shapes



FLORIDA'S B.E.S.T. STANDARDS: MATHEMATICS 2020

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.K.GR.1 Identify, compare and compose two- and three-dimensional figures <i>continued</i>.		
<p>MA.K.GR.1.3 Compare three-dimensional figures based on their similarities, differences and positions. Sort three-dimensional figures based on their similarities and differences. Figures are limited to spheres, cubes, cones and cylinders.</p>	<ul style="list-style-type: none"> • Songs: Positioning; Kites; Get Over the Bugs; Shapes, Shapes, Shapes; All Sorts of Laundry • Books: Up in the Air; The Shape of Things; Imagination Shapes; Buttons, Buttons • Position • Over, Under, Above, Below • Inside, Outside, Between • Circle, Square, Triangle, Rectangle • Star, Semicircle, Octagon, Oval, Diamond • Solid Shapes • World Shapes • Sort • Above, Below, Next to, On 	<ul style="list-style-type: none"> • Compare shapes.pdf: Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/“corners”) and other attributes (e.g., having sides of equal length). <ul style="list-style-type: none"> - Comparing Shapes
<p>MA.K.GR.1.4 Find real-world objects that can be modeled by a given two- or three-dimensional figure. Figures are limited to circles, triangles, rectangles, squares, spheres, cubes, cones and cylinders.</p>	<ul style="list-style-type: none"> • Books: The Shape of Things; Imagination Shapes • Circle, Square, Triangle, Rectangle 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - Shapes Scavenger Hunt
<p>MA.K.GR.1.5 Combine two-dimensional figures to form a given composite figure. Figures used to form a composite shape are limited to triangles, rectangles and squares.</p>	<ul style="list-style-type: none"> • Tangrams • Geoboard 	<ul style="list-style-type: none"> • Form larger shapes.pdf: Compose simple shapes to form larger shapes. <ul style="list-style-type: none"> - Combining Shapes
DATA ANALYSIS AND PROBABILITY		
MA.K.DP.1 Develop an understanding for collecting, representing and comparing data.		
<p>MA.K.DP.1.1 Collect and sort objects into categories and compare the categories by counting the objects in each category. Report the results verbally, with a written numeral or with drawings.</p>	<ul style="list-style-type: none"> • Song: All Sorts of Laundry • Book: Buttons, Buttons • Sort • Make and Count Groups • Number Counting 	<ul style="list-style-type: none"> • Comparing numbers.pdf: Compare two numbers between 1 and 10 presented as written numerals. <ul style="list-style-type: none"> - More or Less Spinner - Catch Me If You Can! - Greater or Less - Less or Greater - Spinner - Board game - Number cards

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
GRADE 1		
NUMBER SENSE AND OPERATIONS		
MA.1.NSO.1 Extend counting sequences and understand the place value of two-digit numbers.		
<p>MA.1.NSO.1.1 Starting at a given number, count forward and backwards within 120 by ones. Skip count by 2s to 20 and by 5s to 100.</p>	<ul style="list-style-type: none"> • Songs: Counting On; Skip Counting; Counting Backward • Book: A Space Adventure • Counting Songs • Skip Count by 2; by 5 	<ul style="list-style-type: none"> • Count to 120.pdf: Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral. <ul style="list-style-type: none"> - Mystery Numbers - I Can Write Numbers to 99 - Numbers 20-29; 30-39; 40-49; 50-59; 60-69 - Counting to 89 - Counting Charts: I Can Count to 50; 100; 99; 120
<p>MA.1.NSO.1.2 Read numbers from 0 to 100 written in standard form, expanded form and word form. Write numbers from 0 to 100 using standard form and expanded form.</p>	<ul style="list-style-type: none"> • Number Books • (See titles at end of document.) • Number Instruction • Expanded Notation • Number Recognition and Sense 	<ul style="list-style-type: none"> • Ten groupings.pdf: The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones). <ul style="list-style-type: none"> - Toss It
<p>MA.1.NSO.1.3 Compose and decompose two-digit numbers in multiple ways using tens and ones. Demonstrate each composition or decomposition with objects, drawings and expressions or equations.</p>	<ul style="list-style-type: none"> • Expanded Notation • Place Value • Place Value of 2-digit Numbers 	<ul style="list-style-type: none"> • 11-19 broken down.pdf: The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. <ul style="list-style-type: none"> - Numbers Flashcards - Numbers 10-19 - More Numbers 10-19
<p>MA.1.NSO.1.4 Plot, order and compare whole numbers up to 100.</p>	<ul style="list-style-type: none"> • Number Line • Place Value • Greater Than, Less Than • More Than, Fewer Than • Number Chart 	<ul style="list-style-type: none"> • Compare two-digit numbers_1.pdf: Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, $<$. <ul style="list-style-type: none"> - More or Less spinner - Catch Me If You Can! - What Are You Looking For? - Two-Pile Sort - What's Greater Less or Equal?

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
<p>MA.1.NSO.2 Develop an understanding of addition and subtraction operations with one- and two-digit numbers.</p>		
<p>MA.1.NSO.2.1 Recall addition facts with sums to 10 and related subtraction facts with automaticity.</p>	<ul style="list-style-type: none"> • Songs: Fact Families; Doubles • Book: Facts About Families • Addition and Subtraction Fact Families • Addition and Subtraction Relationship • Dominoes • Mental Math Games • Speed Games 	<ul style="list-style-type: none"> • Add and subtract within 20.pdf: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. <ul style="list-style-type: none"> - 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 - Add _ and 1-5 - Add _ and 6-10 - Order Property of Addition - Add Doubles +1 to 11 - Add Doubles to 20 - Add Doubles +1 to 21) - Make 10 - Subtract _ from - Subtract - Subtraction Patterns - Fact Families to 10 - Fact Families to 20 - Add and Subtract Doubles to 10 - Add and Subtract Doubles to 20 <i>Sets of flashcards:</i> <ul style="list-style-type: none"> - Addition—Horizontal - Subtraction—Horizontal - Addition—Vertical - Subtraction—Horizontal

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
<p>MA.1.NSO.2 Develop an understanding of addition and subtraction operations with one- and two-digit numbers <i>continued</i>.</p>		
<p>MA.1.NSO.2.2 Add two whole numbers with sums from 0 to 20, and subtract using related facts with procedural reliability.</p>	<ul style="list-style-type: none"> • Addition and Subtraction Relationship • Addition and Subtraction Fact Families • Subtraction Patterns • Commutative Property of Addition 	<ul style="list-style-type: none"> • Add and subtract within 20.pdf: Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. <ul style="list-style-type: none"> - 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 - Add _ and 1-5 - Add _ and 6-10 - Order Property of Addition - Add Doubles +1 to 11 - Add Doubles to 20 - Add Doubles +1 to 21) - Make 10 - Subtract _ from - Subtract - Subtraction Patterns - Fact Families to 10 - Fact Families to 20 - Add and Subtract Doubles to 10 - Add and Subtract Doubles to 20 <i>Sets of flashcards:</i> <ul style="list-style-type: none"> - Addition—Horizontal - Subtraction—Horizontal - Addition—Vertical - Subtraction—Horizontal

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.1.NSO.2 Develop an understanding of addition and subtraction operations with one- and two-digit numbers <i>continued</i> .		
<p>MA.1.NSO.2.3 Identify the number that is one more, one less, ten more and ten less than a given two-digit number.</p>	<ul style="list-style-type: none"> • Add 10 and 6-10 • Subtract 10 from 10-20 • Add Tens • Subtract Tens • Skip Count by 10 • Number Chart • Mental Math Games 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - Ten-O - Toss It - Make a Number - Subtract 10 - Flashcards - Bingo - Addition of Tens
<p>MA.1.NSO.2.4 Explore the addition of a two-digit number and a one-digit number with sums to 100.</p>	<ul style="list-style-type: none"> • Addition • Addition Facts • Add 1-digit and 2-digit Numbers with Regrouping 	<ul style="list-style-type: none"> • Adding within 100.pdf: Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10.1 <ul style="list-style-type: none"> - Drawing Tens - Beans, Beans, and More Beans - The Kingdom of Popsicle Stick-Filled Purses - Math Newsletter - Adding Tens and Ones - Colors Add Up
<p>MA.1.NSO.2.5 Explore subtraction of a one-digit number from a two-digit number.</p>	<ul style="list-style-type: none"> • Subtraction • Subtraction Facts • 2-digit Minus 1-digit Numbers with Regrouping 	

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
FRACTIONS		
MA.1.FR.1 Develop an understanding of fractions by partitioning shapes into halves and fourths.		
<p>MA.1.FR.1.1 Partition circles and rectangles into two and four equal-sized parts. Name the parts of the whole using appropriate language including halves or fourths.</p>	<ul style="list-style-type: none"> • Song: Fractions • Books: Half for You and Half for Me; Halves and Fourths and Thirds • Equal-part Fractions • Label Parts of Fractions 	<ul style="list-style-type: none"> • Equal shares_1.pdf: Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares. <ul style="list-style-type: none"> - Make It Equal - Fraction Friends - Fraction Train - Halves, Thirds, Fourths - Equal Parts - Fraction Bingo - Fractions
ALGEBRAIC REASONING		
MA.1.AR.1 Solve addition problems with sums between 0 and 20 and subtraction problems using related facts.		
<p>MA.1.AR.1.1 Apply properties of addition to find a sum of three or more whole numbers.</p>	<ul style="list-style-type: none"> • Addition Facts • Commutative Property of Addition 	<ul style="list-style-type: none"> • Word problems adding 3 numbers.pdf: Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20. <ul style="list-style-type: none"> - Draw a Picture
<p>MA.1.AR.1.2 Solve addition and subtraction real-world problems using objects, drawings or equations to represent the problem.</p>	<ul style="list-style-type: none"> • Songs: Fact Families; Doubles • Book: Facts About Families • Addition and Subtraction Fact Families • Addition and Subtraction Relationship 	<ul style="list-style-type: none"> • Word problems using subtraction within 20.pdf: Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions. <ul style="list-style-type: none"> - Guess and Check - Model the Story

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.1.AR.2 Develop an understanding of the relationship between addition and subtraction.		
<p>MA.1.AR.2.1 Restate a subtraction problem as a missing addend problem using the relationship between addition and subtraction.</p>	<ul style="list-style-type: none"> • Addition and Subtraction Relationship • Addition and Subtraction Fact Families • Missing Addends 	<ul style="list-style-type: none"> • Understand subtraction as an unknown addend problem.pdf: Understand subtraction as an unknown-addend problem. Add and subtract within 20. <ul style="list-style-type: none"> - Write each subtraction problem as an addition problem and solve it.
<p>MA.1.AR.2.2 Determine and explain if equations involving addition or subtraction are true or false.</p>	<ul style="list-style-type: none"> • Songs: Fact Families; Doubles • Book: Facts About Families • Addition and Subtraction Fact Families • Addition and Subtraction Relationship • Addition Sentences • Subtraction Sentences 	<ul style="list-style-type: none"> • Equal sign_1.pdf: Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. <ul style="list-style-type: none"> - Show Me! - Tricky Total - Domino Addition - Domino Subtraction - Playground Fact Snake
<p>MA.1.AR.2.3 Determine the unknown whole number in an addition or subtraction equation, relating three whole numbers, with the unknown in any position.</p>	<ul style="list-style-type: none"> • Book: Painting by Number • Addition • Subtraction • Problem Solving Strategies • Story Problem Strategies • Missing Addends and Subtrahends • Subtraction Sentences • Addition and Subtraction Facts 	<ul style="list-style-type: none"> • Solving one and two step word problems within 100. pdf: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. <ul style="list-style-type: none"> - Animal Math - Picture Problems - Act it Out - Guess and Check
MEASUREMENT		
MA.1.M.1 Compare and measure the length of objects.		
<p>MA.1.M.1.1 Estimate the length of an object to the nearest inch. Measure the length of an object to the nearest inch or centimeter.</p>	<ul style="list-style-type: none"> • Song: Measuring Plants • Book: Birds at My House • Length • Measurement Tools 	<ul style="list-style-type: none"> • Estimating lengths.pdf: Estimate lengths using units of inches, feet, centimeters, and meters. <ul style="list-style-type: none"> - Ready, Set, Measure - Treasure Hunt - Let's Measure in Centimeters! - Let's Measure in Inches! - Measuring Perimeter
<p>MA.1.M.1.2 Compare and order the length of up to three objects using direct and indirect comparison.</p>	<ul style="list-style-type: none"> • Song: Measuring Plants • Nonstandard Units of Length 	<ul style="list-style-type: none"> • Order by length.pdf: Order three objects by length; compare the lengths of two objects indirectly by using a third object. <ul style="list-style-type: none"> - Estimating Length

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
<p>MA.1.M.2 Tell time and identify the value of coins and combinations of coins and dollar bills.</p>		
<p>MA.1.M.2.1 Using analog and digital clocks, tell and write time in hours and half-hours.</p>	<ul style="list-style-type: none"> • Song: Clock Hands • Books: Mr. Romano’s Secret: A Time Story; How Long is a Minute? • Tell Time to the Hour • Tell Time to the Half-Hour • Compare Minutes to Hours • Sequence Times • Order Numbers on a Clock 	<ul style="list-style-type: none"> • Hours and Half-hours.pdf: Tell and write time in hours and half-hours using analog and digital clocks. <ul style="list-style-type: none"> - 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
<p>MA.1.M.2.2 Identify pennies, nickels, dimes and quarters, and express their values using the ¢ symbol. State how many of each coin equal a dollar.</p>	<ul style="list-style-type: none"> • Songs: Money; Save Your Pennies • Coin Identification • Coin Value • Quarters • Count Dimes, Nickels, and Pennies • Count Quarters, Dimes, Nickels, and Pennies • Count Nickels and Pennies or Dimes and Pennies • Make Change • Count Coins • Count Bills and Coins • Equivalent Sums of Money 	
<p>MA.1.M.2.3 Find the value of combinations of pennies, nickels and dimes up to one dollar, and the value of combinations of one, five and ten dollar bills up to \$100. Use the ¢ and \$ symbols appropriately.</p>	<ul style="list-style-type: none"> • Songs: Money; Save Your Pennies • Coin Identification • Coin Value • Quarters • Count Dimes, Nickels, and Pennies • Count Quarters, Dimes, Nickels, and Pennies • Count Nickels and Pennies or Dimes and Pennies • Make Change • Count Coins • Count Bills and Coins • Equivalent Sums of Money 	<ul style="list-style-type: none"> • Money word problems.pdf: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. <ul style="list-style-type: none"> - 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¢



FLORIDA'S B.E.S.T. STANDARDS: MATHEMATICS 2020

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
GEOMETRIC REASONING		
MA.1.GR.1 Identify and analyze two- and three-dimensional figures based on their defining attributes.		
<p>MA.1.GR.1.1 Identify, compare and sort two- and three-dimensional figures based on their defining attributes. Figures are limited to circles, semi-circles, triangles, rectangles, squares, trapezoids, hexagons, spheres, cubes, rectangular prisms, cones and cylinders.</p>	<ul style="list-style-type: none"> • Songs: Corners and Sides; Kites; Shapes, Shapes, Shapes • Book: The Shape of Things • Space Shapes • Circle, Square, Triangle, Rectangle • Solid Shapes 	<ul style="list-style-type: none"> • Attributes.pdf: Distinguish between defining attributes versus non-defining attributes; build and draw shapes to possess defining attributes. <ul style="list-style-type: none"> - Sorting Shapes
<p>MA.1.GR.1.2 Sketch two-dimensional figures when given defining attributes. Figures are limited to triangles, rectangles, squares and hexagons.</p>	<ul style="list-style-type: none"> • Waterford encourages everyone to have writing, drawing, and art materials available for children's creations. 	<ul style="list-style-type: none"> • Attributes.pdf: Distinguish between defining attributes versus non-defining attributes; build and draw shapes to possess defining attributes. <ul style="list-style-type: none"> - Sorting Shapes
<p>MA.1.GR.1.3 Compose and decompose two- and three-dimensional figures. Figures are limited to semi-circles, triangles, rectangles, squares, trapezoids, hexagons, cubes, rectangular prisms, cones and cylinders.</p>	<ul style="list-style-type: none"> • Books: Half for You and Half for Me; Halves and Fourths and Thirds • Equal-part Fractions • Geoboard • Tangrams 	<ul style="list-style-type: none"> • Equal shares_1.pdf: Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares. <ul style="list-style-type: none"> - Make It Equal - Fraction Friends - Fraction Train - Halves, Thirds, Fourths - Equal Parts - Fraction Bingo - Fractions
<p>MA.1.GR.1.4 Given a real-world object, identify parts that are modeled by two- and three-dimensional figures. Figures are limited to semi-circles, triangles, rectangles, squares and hexagons, spheres, cubes, rectangular prisms, cones and cylinders.</p>	<ul style="list-style-type: none"> • Songs: Shapes, Shapes, Shapes, Kites • Books: The Shape of Things; Imagination Shapes 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - Shapes Scavenger Hunt

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
DATA ANALYSIS AND PROBABILITY		
MA.1.DP.1 Collect, represent and interpret data using pictographs and tally marks.		
<p>MA.1.DP.1.1 Collect data into categories and represent the results using tally marks or pictographs.</p>	<ul style="list-style-type: none"> • Songs: Tallying; Graphing • Books: One More Cat; Painting by Number • Tally Marks • Problem Solving Strategy • Graphs • Make a Table 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - 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?
<p>MA.1.DP.1.2 Interpret data represented with tally marks or pictographs by calculating the total number of data points and comparing the totals of different categories.</p>	<ul style="list-style-type: none"> • Songs: Tallying; Graphing • Books: One More Cat; Painting by Number • Tally Marks • Problem Solving Strategy • Graphs • Make a Table • Addition 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - 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?

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
GRADE 2		
NUMBER SENSE AND OPERATIONS		
MA.2.NSO.1 Understand the place value of three-digit numbers.		
<p>MA.2.NSO.1.1 Read and write numbers from 0 to 1,000 using standard form, expanded form and word form.</p>	<ul style="list-style-type: none"> • Number Books • (See titles at end of document.) • Number Instruction • Expanded Notation • Number Recognition and Sense 	<ul style="list-style-type: none"> • Read and write numbers to 1000.pdf: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form. <ul style="list-style-type: none"> - Cube Trails - Race For a Flat - High/Low Number Cube Throw - Lucky Five
<p>MA.2.NSO.1.2 Compose and decompose three-digit numbers in multiple ways using hundreds, tens and ones. Demonstrate each composition or decomposition with objects, drawings and expressions or equations.</p>	<ul style="list-style-type: none"> • Song: Place Value • Place Value of 3-ditit Numbers • You Be the Teacher (Place Value) 	<ul style="list-style-type: none"> • Read and write numbers to 1000.pdf: Read and write numbers to 1000 using base-ten numerals, number names, and expanded form. <ul style="list-style-type: none"> - Cube Trails - Race For a Flat - High/Low Number Cube Throw - Lucky Five
<p>MA.2.NSO.1.3 Plot, order and compare whole numbers up to 1,000.</p>	<ul style="list-style-type: none"> • Number Line • Place Value • Order Numbers • Number Chart 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - More or Less - The Hands Have It! - Larger or Smaller? - Comparing Number Cards - Number Cards - $<$, $>$, $=$ Cards - Greater Than, Less Than, Equal To
<p>MA.2.NSO.1.4 Round whole numbers from 0 to 100 to the nearest 10.</p>	<ul style="list-style-type: none"> • Round to Tens 	



FLORIDA'S B.E.S.T. STANDARDS: MATHEMATICS 2020

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.2.NSO.2 Add and subtract two- and three-digit whole numbers.		
<p>MA.2.NSO.2.1 Recall addition facts with sums to 20 and related subtraction facts with automaticity.</p>	<ul style="list-style-type: none"> • Song: Fact Families • Book: Facts About Families • Addition and Subtraction Fact Families • Mental Math Games • Speed Games 	<ul style="list-style-type: none"> • Adding and subtracting within 20.pdf: Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.
<p>MA.2.NSO.2.2 Identify the number that is ten more, ten less, one hundred more and one hundred less than a given three-digit number.</p>	<ul style="list-style-type: none"> • Patterns of 3-digit Numbers • Number Chart 	<ul style="list-style-type: none"> • Mentally adding and 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. <ul style="list-style-type: none"> - Spin and Solve
<p>MA.2.NSO.2.3 Add two whole numbers with sums up to 100 with procedural reliability. Subtract a whole number from a whole number, each no larger than 100, with procedural reliability.</p>	<ul style="list-style-type: none"> • Add 1-digit and 2-digit Numbers • Add 2-digit with Regrouping • Add 2-digit without Regrouping • Subtract without Regrouping • Subtract with Regrouping • 2-digit Minus 1-digit Numbers 	<ul style="list-style-type: none"> • Add and subtract within 100 part 2.pdf: Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. <ul style="list-style-type: none"> - Addition and Subtraction Practice
<p>MA.2.NSO.2.4 Explore the addition of two whole numbers with sums up to 1,000. Explore the subtraction of a whole number from a whole number, each no larger than 1,000.</p>	<ul style="list-style-type: none"> • Add with Regrouping • Add 3-digit Numbers without Regrouping • Add 3-digit Numbers with Regrouping • Subtract 3-digit Numbers • Subtract with Regrouping • Subtract 3-digit Numbers with Regrouping 	<ul style="list-style-type: none"> • Add and subtract within 1000.pdf: Add and subtract within 1000. <ul style="list-style-type: none"> - Choose and Add - Mix and Match Addition - Expanded Subtraction - Subtracting Repeats - 999 - Prediction - Up and Away - Regrouping Treasure Hunt - Play Ball - Squirrel Facts

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
FRACTIONS		
MA.2.FR.1 Develop an understanding of fractions.		
<p>MA.2.FR.1.1 Partition circles and rectangles into two, three or four equal-sized parts. Name the parts using appropriate language, and describe the whole as two halves, three thirds or four fourths</p>	<ul style="list-style-type: none"> • Song: Fractions • Book: Halves and Fourths and Thirds; Half for You and Half for Me • Equal-part Fractions • Label Parts of Fractions • Fractions of Regions • Fractions of Groups 	<ul style="list-style-type: none"> • Fractions.pdf: Partition circles and rectangles into two, three, or four equal shares, de-scribe 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. <ul style="list-style-type: none"> - Frenzied Fraction Fun - Fabulous Fractions - More Fabulous Fractions
<p>MA.2.FR.1.2 Partition rectangles into two, three or four equal-sized parts in two different ways showing that equal-sized parts of the same whole may have different shapes.</p>	<ul style="list-style-type: none"> • Song: Fractions • Book: Halves and Fourths and Thirds; Half for You and Half for Me • Equal-part Fractions • Label Parts of Fractions • Fractions of Regions • Fractions of Groups 	<ul style="list-style-type: none"> • Fractions.pdf: Partition circles and rectangles into two, three, or four equal shares, de-scribe 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. <ul style="list-style-type: none"> - Frenzied Fraction Fun - Fabulous Fractions - More Fabulous Fractions
ALGEBRAIC REASONING		
MA.2.AR.1 Solve addition problems with sums between 0 and 100 and related subtraction problems.		
<p>MA.2.AR.1.1 Solve one- and two-step addition and subtraction real-world problems.</p>	<ul style="list-style-type: none"> • Book: Painting by Number • Addition • Subtraction • Missing Addends and Subtrahends • Addition and Subtraction Facts • Add with Regrouping • Subtract with Regrouping • Add 2-digit Numbers with Regrouping • Subtract 2-digit with Regrouping • Subtract 3-digit Numbers without Regrouping • Add 3-digit Numbers with Regrouping • Add 1-digit and 2-digit Numbers with Regrouping • Add 3 Two-digit Numbers with Regrouping • 2-digit Minus 1-digit Numbers with Regrouping 	<ul style="list-style-type: none"> • Solving one and two step word problems within 100. pdf: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. <ul style="list-style-type: none"> - Animal Math - Picture Problems - Act it Out - Guess and Check



FLORIDA'S B.E.S.T. STANDARDS: MATHEMATICS 2020

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.2.AR.2 Demonstrate an understanding of equality and addition and subtraction.		
MA.2.AR.2.1 Determine and explain whether equations involving addition and subtraction are true or false.	<ul style="list-style-type: none"> • Songs: More Than, Fewer Than; Greater Than, Less Than • Greater Than, Less Than (3-digit Numbers) • Addition Facts • Subtraction Facts 	
MA.2.AR.2.2 Determine the unknown whole number in an addition or subtraction equation, relating three or four whole numbers, with the unknown in any position.	<ul style="list-style-type: none"> • Songs: Addition; Fact Families • Book: Facts About Families • Addition Sentences • Subtraction Sentences • Missing Addends and Subtrahends • Addition and Subtraction Facts 	<ul style="list-style-type: none"> • Solving one and two step word problems within 100. pdf: Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. <ul style="list-style-type: none"> - Animal Math - Picture Problems - Act it Out - Guess and Check
MA.2.AR.3 Develop an understanding of multiplication.		
MA.2.AR.3.1 Represent an even number using two equal groups or two equal addends. Represent an odd number using two equal groups with one left over or two equal addends plus 1.	<ul style="list-style-type: none"> • Book: Odd Todd and Even Steven • Make and Count Groups • Doubles • Doubles plus 1 	<ul style="list-style-type: none"> • Odd and even recognition.pdf: Determine whether a group of objects (up to 20) has an odd or even number of members. <ul style="list-style-type: none"> - Missing Patterns - Counting by 2's - What's My Number?
MA.2.AR.3.2 Use repeated addition to find the total number of objects in a collection of equal groups. Represent the total number of objects using rectangular arrays and equations.	<ul style="list-style-type: none"> • Multiply Using Repeated Addition • Multiply Using Arrays 	

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MEASUREMENT		
MA.2.M.1 Measure the length of objects and solve problems involving length.		
MA.2.M.1.1 Estimate and measure the length of an object to the nearest inch, foot, yard, centimeter or meter by selecting and using an appropriate tool.	<ul style="list-style-type: none"> • Song: Measuring Plants • Length • Standard Units of Length • Measurement Tools 	<ul style="list-style-type: none"> • Estimating lengths.pdf: Estimate lengths using units of inches, feet, centimeters, and meters. <ul style="list-style-type: none"> - Ready, Set, Measure - Treasure Hunt - Let's Measure in Centimeters! - Let's Measure in Inches! - Measuring Perimeter
MA.2.M.1.2 Measure the lengths of two objects using the same unit and determine the difference between their measurements.	<ul style="list-style-type: none"> • Song: Measuring Plants • Length • Standard Units of Length • Measurement Tools 	
MA.2.M.1.3 Solve one- and two-step real-world measurement problems involving addition and subtraction of lengths given in the same units.	<ul style="list-style-type: none"> • Book: Yangshi's Perimeter • Addition • Subtraction • Length • Standard Units of Length 	
MA.2.M.2 Tell time and solve problems involving money.		
MA.2.M.2.1 Using analog and digital clocks, tell and write time to the nearest five minutes using a.m. and p.m. appropriately. Express portions of an hour using the fractional terms half an hour, half past, quarter of an hour, quarter after and quarter til.	<ul style="list-style-type: none"> • Songs: Telling Time; Clock Hands • Tell Time • Tell Time to Five Minutes • Tell Time to the Quarter Hour • Tell Time to the Minute • Tell Time to the Hour • Tell Time to the Half-hour 	<ul style="list-style-type: none"> • Hours and Half-hours.pdf: Tell and write time in hours and half-hours using analog and digital clocks. <ul style="list-style-type: none"> - 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

FLORIDA'S B.E.S.T. STANDARDS: MATHEMATICS 2020

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.2.M.2 Tell time and solve problems involving money <i>continued</i>.		
<p>MA.2.M.2.2 Solve one- and two-step addition and subtraction real-world problems involving either dollar bills within \$100 or coins within 100¢ using \$ and ¢ symbols appropriately.</p>	<ul style="list-style-type: none"> • Songs: Money; Save Your Pennies • Coin Identification • Coin Value • Quarters • Count Dimes, Nickels, and Pennies • Count Quarters, Dimes, Nickels, and Pennies • Count Nickels and Pennies or Dimes and Pennies • Make Change • Count Coins • Count Bills and Coins • Equivalent Sums of Money 	<ul style="list-style-type: none"> • Money word problems.pdf: Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. <ul style="list-style-type: none"> - 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¢
GEOMETRIC REASONING		
MA.2.GR.1 Identify and analyze two-dimensional figures and identify lines of symmetry.		
<p>MA.2.GR.1.1 Identify and draw two-dimensional figures based on their defining attributes. Figures are limited to triangles, rectangles, squares, pentagons, hexagons and octagons.</p>	<ul style="list-style-type: none"> • Songs: Shapes, Shapes, Shapes; Corners and Sides; Kites • Book: The Shape of Things • Space Shapes • World Shapes • Story Problem Strategies • Geoboard 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - Making Shapes - Shapes Review
<p>MA.2.GR.1.2 Categorize two-dimensional figures based on the number and length of sides, number of vertices, whether they are closed or not and whether the edges are curved or straight.</p>	<ul style="list-style-type: none"> • Songs: Shapes, Shapes, Shapes; Corners and Sides; Kites • Book: The Shape of Things • Simple Shapes • Story Problem Strategies • Geoboard 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - Making Shapes - Shapes Review
<p>MA.2.GR.1.3 Identify line(s) of symmetry for a two-dimensional figure.</p>	<ul style="list-style-type: none"> • Song: Symmetry • Book: Symmetry and Me • Symmetry 	

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.2.GR.2 Describe perimeter and find the perimeter of polygons.		
<p>MA.2.GR.2.1 Explore perimeter as an attribute of a figure by placing unit segments along the boundary without gaps or overlaps. Find perimeters of rectangles by counting unit segments.</p>	<ul style="list-style-type: none"> • Book: Yangshi's Perimeter • Length • Standard Units of Length 	<ul style="list-style-type: none"> • Addition and subtraction within 100.pdf: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. <ul style="list-style-type: none"> - Perimeter Walkabout - How Far Around? - Measuring Perimeter
<p>MA.2.GR.2.2 Find the perimeter of a polygon with whole-number side lengths. Polygons are limited to triangles, rectangles, squares and pentagons.</p>	<ul style="list-style-type: none"> • Song: Perimeter • Book: Yangshi's Perimeter • Length • Standard Units of Length 	<ul style="list-style-type: none"> • Addition and subtraction within 100.pdf: Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. <ul style="list-style-type: none"> - Perimeter Walkabout - How Far Around? - Measuring Perimeter
DATA ANALYSIS AND PROBABILITY		
MA.2.DP.1 Collect, categorize, represent and interpret data using appropriate titles, labels and units.		
<p>MA.2.DP.1.1 Collect, categorize and represent data using tally marks, tables, pictographs or bar graphs. Use appropriate titles, labels and units.</p>	<ul style="list-style-type: none"> • Song: Graphing; Tallying • Books: One More Cat; Painting by Number, • Tally Marks • Graphs • Bar Graphs • Picture Graphs • Make a Table • Use Graphs and Tables 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - 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?

FLORIDA STANDARDS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
MA.2.DP.1 Collect, categorize, represent and interpret data using appropriate titles, labels and units <i>continued.</i>		
<p>MA.2.DP.1.2 Interpret data represented with tally marks, tables, pictographs or bar graphs including solving addition and subtraction problems.</p>	<ul style="list-style-type: none"> • Song: Graphing; Tallying • Books: One More Cat; Painting by Number, • Tally Marks • Graphs • Bar Graphs • Picture Graphs • Make a Table • Use Graphs and Tables • Addition and Subtraction Relationship • Commutative Properties of Addition • Addition • Subtraction • Add without Regrouping • Add with Regrouping • Subtract without regrouping • Subtract with Regrouping • Speed Games • Mental Math Games 	<ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> - 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?

PRE-MATH & SCIENCE

Math Books

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; 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.](#)

SONGS

Beginning Math Songs

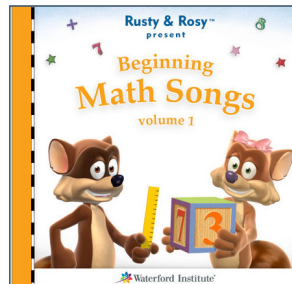
Odd Todd and Even Steven; Salsa Counting; On the Bayou—Addition; Subtract Those Cars; More Than, Fewer Than; A Nice Addition; Marching Band Counting; Doubles 1-5; Multiply by 0

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; Z: The Zulu Warrior

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; Chip Chop; Adjectives Describe; Lazy Letter Q; Nouns; Verbs; Adverbs; Irregular Verbs; Preposition Ship; 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



Download these songs and more at iTunes. Search for “Waterford’s Rusty & Rosy and Friends.”

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)

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

CONTINUAL DEVELOPMENT

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