Waterford.org

Alignment
September 2025

100% Alignment

Waterford Early Learning: Math

McGraw Hill Reveal MATH®

**Alignment content includes a sampling of Waterford Digital Activities and Resources*

Overview

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This document provides a detailed alignment of **Waterford Early Learning** to **McGraw Hill Reveal MATH®.**

Alignment Description

This document aligns McGraw Hill Reveal MATH® to Waterford.org's digital activities and supporting resources.

Waterford Digital Activities

Waterford programs include engaging, evidence-based digital activities anchored in the science of learning that progress through an adaptive learning path in reading, math, and science. These activities are also available for collaborative instruction at →teacher.waterford.org.

- **Classroom Playlists** enable teachers to harness learning technologies in whole-class instruction, flexible small groups, and personalized support for individual students.

Waterford Resources

Waterford provides an engaging, diverse collection of PDF resources tailored to boost children's learning experiences, empowering instruction in both classroom and home settings.

- **Teacher Resources** encompass class activities, reference materials, teacher guides, an array of books, and more.
- **Family Resources** encompass newsletters, activity sets, and reference materials, all available in both English and Spanish.

Waterford Curriculum Details

Waterford programs leverage the science of learning and evidence-based research to optimize reading development, accelerate learning, and target interventions for PreK–2nd grade learners.

Adaptive, Individualized Learning

Tailored instruction enables students to progress through the sequence at their own pace, offering multiple opportunities for practice as needed and more challenging activities when students are ready. This adaptation is automatic within the learning sequence. More information on the adaptive learning sequence can be found in →Waterford's Adaptive Learning Path in Action video.

Data-Informed Instruction

Administrators and teachers can use the program's reporting features to monitor progress in real-time, identify areas of difficulty, and utilize additional intervention tools in varied instructional settings. Examples of the reporting features can be found →here.

Research-Driven Development

Waterford is committed to ongoing development based on the latest research findings. Please note that this correlation is accurate as of the date on the cover.

Reading Sequence

Waterford's Reading Sequence is aligned to the Science of Reading, with explicit and systematic instruction. The sequence develops phonics; phonological awareness; comprehension and vocabulary; language concepts and writing; and fluency. More detailed information can be found in the →Reading Skills Scope & Sequence.

Math and Science Sequence

Waterford's Math and Science Sequence is designed around clear instructional principles. The math sequence develops numbers and operations (including counting and cardinality); operations and algebraic thinking; measurement and data; and geometry. The science sequence develops an understanding of physical, life, earth and space domains. More detailed information can be found in the →Math and Science Scope & Sequence.

SmartStart Sequence

Waterford's SmartStart Sequence is designed so learners are exposed to the foundational principles critical to kindergarten readiness. SmartStart combines the digital learning path with teacher resources to teach early reading, math, science, and social studies concepts as well as executive function, creative arts, health, and physical development. More detailed information can be found in the →SmartStart Scope & Sequence.

Table of Contents

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Kindergarten		
Counting and Cardinality		
Know number names and the count sequence. K.CC.A.1, K.CC.A.2, K.CC.A.3		
Count to 10 by ones.	• Counting Songs • Number Instruction • Number Counting	• Count to 100 by Ones and Tens • Count Forward
Count to 10 by tens.	• Songs: Skip Counting • Skip Count by 10	• Count to 100 by Ones and Tens
Count forward from a given number.	• Songs: Counting Song; Counting On • Count On	• Count Forward
Write numbers from 0 to 20.	• Number Instruction	• Write Numbers 0–20
Represent up to 20 objects with a written numeral.	• Number Instruction	• Write Numbers 0–20
Count to tell the number of objects. K.CC.B.4, K.CC.B.5		
Understand the relationship between numbers and quantities.	• Counting Songs; Number Songs • Number Books • Number Instruction • Make and Count Groups • Number Counting	• Object Counting Basics • Object Counting Grouping
Connect counting to cardinality.	• Counting Songs; Number Songs • Number Books • Number Instruction • Make and Count Groups • Number Counting	• Object Counting Basics

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Count to tell the number of objects. K.CC.B.4, K.CC.B.5 *continued*		
Count objects, saying the number names in the standard order	• Counting Songs; Number Songs • Number Books • Number Instruction • Make and Count Groups • Number Counting	• Object Counting Basics
Pair each object counted with one and only one number name and vice versa.	• One-to-one Correspondence • Make and Count Groups • Number Counting • Number Instruction	• Object Counting Basics
Understand that each successive number name represents one more	• Make and Count Groups • One-to-one Correspondence • Count on by 1 • Number Instruction	• Object Counting Succession
Understand that the last number said tells the number of objects in a group.	• Make and Count Groups • One-to-one Correspondence • Count on by 1 • Number Instruction	• Object Counting Succession
Understand that the number of objects in a given group is the same regardless of their arrangement.	• Make and Count Groups • Number Instruction	• Object Counting Grouping
Count to know how many objects in a group of up to 10 objects in a scattered formation.	• Make and Count Groups • Number Instruction	• Object Counting Grouping

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Count to tell the number of objects. K.CC.B.4, K.CC.B.5 *continued*		
Count to know how many objects in a group of up to 20 objects in a line, rectangular array, or circle.	• Number Songs; Counting Songs • Make and Count Groups • Number Instruction	• How Many?
Given a number up to 20, count out that many objects.	• Make and Count Groups • Number Instruction	• How Many?
Compare numbers. K.CC.B.6, K.CC.B.7		
Compare the number of objects in two groups using matching or counting.	• Songs: More Than, Fewer Than; Greater Than, Less Than • Books: For the Birds • More Than, Fewer Than • Greater Than, Less Than	• Greater, Less, or Equal
Compare two numbers between 1 and 10.	• Songs: More Than, Fewer Than; Greater Than, Less Than • Books: For the Birds • More Than, Fewer Than • Greater Than, Less Than	• Greater, Less, or Equal
Number and Operations in Base Ten		
Work with numbers 11–19 to gain foundations for place value. K.NBT.A.1		
Compose numbers from 11 to 19	• Songs: Place Value • Place Value	• Tens and Ones
Decompose numbers from 11 to 19.	• Songs: Place Value • Place Value	• Tens and Ones
Understand that teen numbers are composed of ten ones and some more ones.	• Songs: Place Value • Place Value • Place Value Counting	• Tens and Ones

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Operations and Algebraic Thinking		
Understand addition. K.OA.A.1, K.OA.A.2, K.OA.A.3, K.OA.A.4, K.OA.A.5		
Represent addition using a range of models	• Songs: Bee Happy Addition • Add Groups • Act Out Addition • Sums	• Represent Addition and Subtraction with Objects
Represent subtraction using a range of models.	• Songs: Bakery Subtraction; Circus Subtraction; Subtract Those Cars • Books: Five Delicious Muffins • Subtract Groups • Subtract • Minuends	• Represent Addition and Subtraction with Objects
Add within 10 using objects and drawings.	• Songs: Bee Happy Addition • Add Groups • Act Out Addition	• Represent Addition and Subtraction with Objects
Subtract within 10 using objects and drawings.	• Songs: Bakery Subtraction; Circus Subtraction; Subtract Those Cars • Books: Five Delicious Muffins • Subtract Groups • Subtract • Minuends	• Represent Addition and Subtraction with Objects
Solve addition problems within 10.	• Songs: Bee Happy Addition • Add Groups • Act Out Addition • Story Problem Strategies	• Addition and subtraction Word Problems

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Understand addition. K.OA.A.1, K.OA.A.2, K.OA.A.3, K.OA.A.4, K.OA.A.5 *continued*		
Solve subtraction problems within 10.	• Songs: Bakery Subtraction; Circus Subtraction; Subtract Those Cars • Books: Five Delicious Muffins • Subtract Groups • Subtract • Minuends • Story Problem Strategies	• Addition and subtraction Word Problems
Decompose numbers up to 10 in multiple ways.	• Number Instruction • Make and Count Groups • Dominoes • Add Groups • Subtract Groups • Act Out Subtraction • Act Out Addition	• Decompose Numbers
Make 10 using objects and drawings	• Make 10	• Numbers That Make 10
Fluently add within 5.	• Mental Math • Speed Games	
Fluently subtract within 5.	• Mental Math • Speed Games	

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Geometry		
Identify and describe shapes. K.G.A.1, K.G.A.2, K.G.A.3		
Describe shapes in the environment.	• Books: The Shape of Things; Imagination Shapes • Simple Shapes • Circle, Square, Triangle, Rectangle	• Shape Recognition
Describe position of objects relative to other objects.	• Songs: Position Cat; Get over the Bugs • Position • Above, Below, Next to, On • Inside, Outside, Between • First, Middle, Last • First, Next, and Last	
Recognize and name shapes with different sizes and orientations.	• Books: The Shape of Things; Imagination Shapes • Simple Shapes • Circle, Square, Triangle, Rectangle	• Shape Recognition
Understand that 2-dimensional figures are flat.	• Solid Shapes • Simple Shapes	• Two-dimensional Shapes
Understand that 3-dimensional figures are solid.	• Solid Shapes • Space Shapes • Simple Shapes	• Two-dimensional Shapes

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Analyze, compare, create, and compose shapes. K.G.B.4, K.G.B.5, K.G.B.6		
Analyze and compare 2-dimensional figures	• Songs: Corners and Sides • Corners and Sides • Simple Shapes • Solid Shapes • Congruence • Tangrams • Similar Figures	• Compare Shapes
Analyze and compare 3-dimensional figures.	• Solid Shapes • Space Shapes	• Compare Shapes
Build and draw shapes that can be found in the world.	• Geoboard • Tangrams	• Model Shapes
Compose simple shapes to form other shapes.	• Geoboard • Tangrams	• Form Larger Shapes
Measurement and Data		
Describe and compare measurable attributes. K.MD.A.1, K.MD.A.2		
Describe measurable attributes of objects, such as length or weight.	• Songs: Measuring Plants • Length • Heavy and Light • Tall and Short	• Measurable Attributes
Compare two objects for the same measurable attribute.	• Songs: Measuring Plants • Length • Heavy and Light • Tall and Short	• Measurable Attributes

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Grade 1		
Number and Operations in Base Ten		
Extend the counting sequence. 1.NBT.A.1		
Count to 120 starting at any number less than 120.	• Songs: Counting On • Count On • Number Chart	• Count to 120
Read and write numerals.	• Count On • Number Chart • Number Recognition and Sense • Number Instruction	• Count to 120
Represent a number of objects with a written numeral.	• Number Chart • Number Recognition and Sense • Number Instruction	• Count to 120
Understand place value. 1.NBT.B.2, 2.NBT.A.1, 2.NBT.A.2, 2.NBT.A.3, 4.NBT.A.1, 5.NBT.A.1, 5.NBT.A.2		
Understand that the two digits in a 2-digit number represent some tens and some ones	• Place Value Counting • Place Value • Place Value of 2-digit Numbers	
Compare numbers. 1.NBT.B.3, 2.NBT.A.4, 4.NBT.A.2, 5.NBT.A.3		
Compare two 2-digit numbers based on place value.	• Place Value • Greater Than, Less Than	• Compare two-digit Numbers

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Use place value understanding and properties of operations to perform multi-digit arithmetic. 1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6, 2.NBT.B.5, 2.NBT.B.6, 2.NBT.B.7, 2.NBT.B.8, 2.NBT.B.9		
Mentally find 10 more or 10 less than a given number.	• Books: Navajo Beads • Add Tens • Subtract Tens • Skip Count by 10 • Number Chart	• Ten More or Less
Add within 100 using a range of strategies.	• Add Tens • Add with Manipulatives • Add Vertical Squares • Add with Beads • Addition and Subtraction Relationship • Add 2-digit Numbers without Regrouping	• Adding within 100
Operations and Algebraic Thinking		
Represent and solve problems involving addition and subtraction. 1.OA.A.1, 1.OA.A.2		
Subtract multiples of 10 from numbers up to 100.	• Subtract Tens • Subtraction Patterns • Subtract • Place Value • Addition and Subtraction Relationship • Use Manipulatives	• Subtracting in 10s
Count to 10 by ones.	• Counting Songs • Number Instruction • Number Counting	• Count to 100 by Ones and Tens • Count Forward
Count to 10 by tens.	• Songs: Skip Counting • Skip Count by 10	• Count to 100 by Ones and Tens
Count forward from a given number	• Songs: Counting Song; Counting On • Count On	• Count Forward

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Apply properties of operations as strategies to add and subtract. 1.OA.B.3, 1.OA.B.4		
Use properties of operations to add.	• Addition and Subtraction Relationship • Addition and Subtraction Fact Families • Commutative Property of Addition	• Strategies to Add and Subtract
Fluently add and subtract. 1.OA.C.5, 1.OA.C.6, 2.OA.B.2		
Understand subtraction as an unknown addend problem.	• Addition and Subtraction Relationship • Addition and Subtraction Fact Families • Subtraction Patterns	• Strategies to Add and Subtract
Relate counting to addition.	• Count On • Make and Count Groups • Add Groups • Act Out Addition	• Relate Counting to Addition and Subtraction
Relate counting to subtraction.	• Subtract Groups • Act Out Subtraction	• Relate Counting to Addition and Subtraction
Add within 20 using different strategies.	• Songs: Fact Families; Counting On • Books: Facts about Families • Addition and Subtraction Fact Families • Addition Sentences • Commutative Property of Addition • Addition and Subtraction Relationship • Missing Addends • Add 3 One-digit Numbers	• Add and Subtract within 20

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Fluently add and subtract. 1.OA.C.5, 1.OA.C.6, 2.OA.B.2 *continued*		
Subtract within 20 using different strategies	• Songs: Fact Families; Counting On • Books: Facts about Families • Addition and Subtraction Fact Families • Subtraction Sentences • Addition and Subtraction Relationship • Missing Minuends and Subtrahends • Subtraction Patterns	• Add and Subtract within 20
Fluently add within 10.	• Mental Math • Speed Games	
Fluently subtract within 10.	• Mental Math • Speed Games	
Work with addition and subtraction equations. 1.OA.D.7, 1.OA.D.8		
Understand the meaning of the equal sign.	• Songs: Fact Families • Books: Facts about Families • Addition and Subtraction Fact Families • Addition and Subtraction Relationship • Commutative Property of Addition • Addition Sentences • Subtraction Sentences • More Than • Fewer Than	• Equal Sign
Determine whether an addition equation is true.	• You Be the Teacher	
Determine whether a subtraction equation is true.	• You Be the Teacher	

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Work with addition and subtraction equations. 1.OA.D.7, 1.OA.D.8 *continued*		
Determine the unknown in an addition equation.	• Missing Addends	• Painting by Number
Determine the unknown in a subtraction equation.	• Missing Minuends and Subtrahends	
Geometry		
Reason with shapes and their attributes. 1.G.A.1, 1.G.A.2, 2.G.A.1		
Distinguish between defining and non-defining attributes	• Corners and Sides • Geoboard • Space Shapes	• Attributes
Build or draw shapes with given defining attributes.	• Space Shapes • Geoboard • Tangrams	• Attributes
Compose 2-dimensional and 3-dimensional figures	• Space Shapes • Geoboard • Tangrams	• Form Larger Shapes
Compose new shapes from composite shapes.	• Space Shapes • Geoboard • Tangrams	• Form Larger Shapes

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Partition shapes into equal parts. 1.G.A.3, 2.G.A.2, 2.G.A.3		
Partition circles and rectangles into two, three, or four equal parts.	• Books: Halves and Fourths and Thirds; Half for You and Half for Me • Equal-part Fractions • Label Parts of Fractions	• Equal Shares
Understand that decomposing shapes into more equal parts creates smaller parts.	• Books: Halves and Fourths and Thirds; Half for You and Half for Me • Equal-part Fractions • Label Parts of Fractions	• Equal Shares
Measurement and Data		
Measure and estimate lengths. 1.MD.A.1, 1.MD.A.2, 2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4		
Order three objects by length	• Length • Nonstandard Units of Length • Order Size	• Order by Length
Compare the length of two objects indirectly by comparing to the length of a third object.	• Length • Nonstandard Units of Length • Order Size	• Order by Length
Work with time and money. 1.MD.B.3, 2.MD.C.7, 2.MD.C.8		
Tell and write time in hours using analog and digital clocks.	• Tell Time to the Hour	• Hours and Half-hours
Tell and write time in half-hours using analog and digital clocks.	• Tell Time to the Half-hour	• Hours and Half-hours

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Classify objects and count the number of objects in categories. K.MD.B.3		
Classify objects into given categories	• Songs: All Sorts of Laundry • Books: Buttons, Buttons • Sort	• Sorting Common Objects into Categories
Count the number of objects in each category	• Songs: All Sorts of Laundry • Books: Buttons, Buttons • Sort	• Sorting Common Objects into Categories
Represent and interpret data. 1.MD.C.4, 2.MD.D.9, 2.MD.D.10		
Organize, represent, and interpret data with up to three categories.	• Songs: Tallying; Graphing • Books: Painting by Number; One More Cat • Tally Marks • Graphs • Make a Table	• Data Categorization
Analyze data by determining total number of data points and the number in each category.	• Songs: Tallying; Graphing • Books: Painting by Number; One More Cat • Tally Marks • Graphs • Make a Table	• Data Categorization
Compare the number of data points in different categories.	• Songs: Tallying; Graphing • Books: Painting by Number; One More Cat • Tally Marks • Graphs • Make a Table	• Data Categorization

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Represent and interpret data. 1.MD.C.4, 2.MD.D.9, 2.MD.D.10 *continued*		
Draw a picture graph to represent a data set.	• Songs: Tallying; Graphing • Books: Painting by Number; One More Cat • Tally Marks • Graphs • Make a Table	• Data Categorization
Draw a bar graph to represent a data set.	• Songs: Tallying; Graphing • Books: Painting by Number; One More Cat • Tally Marks • Graphs • Make a Table	• Data Categorization
Grade 2		
Number and Operations in Base Ten		
Understand place value. 1.NBT.B.2, 2.NBT.A.1, 2.NBT.A.2, 2.NBT.A.3, 4.NBT.A.1, 5.NBT.A.1, 5.NBT.A.2		
Count within 1,000.	• Songs: Counting On • Count On • Number Instruction • Number Chart • Number Recognition and Sense	• Counting within 1,000
Skip count by 5, 10, and 100.	• Songs: Skip Counting; Counting Backward • Books: A Space Adventure; Jump Rope Rhymes • Count On • Skip Count • Skip Count by 10 • Skip Count by 5	• Counting within 1,000

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Understand place value. 1.NBT.B.2, 2.NBT.A.1, 2.NBT.A.2, 2.NBT.A.3, 4.NBT.A.1, 5.NBT.A.1, 5.NBT.A.2 *continued*		
Understand that the three digits in a 3-digit number represent some hundreds, tens, and ones.	• Songs: Place Value • Place Value • Place Value of 3-digit Numbers	• Place Value: Hundreds, Tens & Ones 1 • Place Value: Hundreds, Tens & Ones 2
Compare numbers. 1.NBT.B.3, 2.NBT.A.4, 4.NBT.A.2, 5.NBT.A.3		
Compare two 3-digit numbers based on place value.	• Greater Than, Less Than	• Less Than, Equal To, or Greater Than
Use place value understanding and properties of operations to perform multi-digit arithmetic. 1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6, 2.NBT.B.5, 2.NBT.B.6, 2.NBT.B.7, 2.NBT.B.8, 2.NBT.B.9		
Mentally add or subtract 10 or 100 to a given number.	• Skip Count • Number Chart • Number Patterns	• Mentally Adding and Subtracting 10 or 100
Add within 1,000 using a range of strategies.	• Addition and Subtraction Relationship • Add with Regrouping • Act Out Addition • Use Manipulatives • Add with Manipulatives • Use the Number Line • Addition and Subtraction Fact Families	• Add and Subtract within 1000
Subtract within 1,000 using a range of strategies	• Addition and Subtraction Relationship • Subtract with Regrouping • Act Out Subtraction • Subtract 3-digit Numbers without Regrouping • Subtraction Patterns • Addition and Subtraction Fact Families	• Add and Subtract within 1000

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Use place value understanding and properties of operations to perform multi-digit arithmetic. 1.NBT.C.4, 1.NBT.C.5, 1.NBT.C.6, 2.NBT.B.5, 2.NBT.B.6, 2.NBT.B.7, 2.NBT.B.8, 2.NBT.B.9 *continued*		
Explain addition and subtraction strategies using place value and properties of operations.	• Place Value • Number Line • Addition and Subtraction Relationship • Act Out Addition • Act Out Subtraction	• Explaining Addition and Subtraction Strategies
Operations and Algebraic Thinking		
Fluently add and subtract. 1.OA.C.5, 1.OA.C.6, 2.OA.B.2		
Fluently add within 20.	• Mental Math • Speed Games	
Fluently subtract within 20.	• Mental Math • Speed Games	
Represent and solve problems involving addition and subtraction. 2.OA.A.1		
Add within 100 to solve one-step problems.	• Story Problem Strategies	
Subtract within 100 to solve one-step problems	• Story Problem Strategies	• One- and Two-step Word Problems within 100
Add within 100 to solve two-step problems.	• Story Problem Strategies	• One- and Two-step Word Problems within 100
Subtract within 100 to solve two-step problems.	• Story Problem Strategies	• One- and Two-step Word Problems within 100
Determine whether a group of objects has an even or odd number of objects.	• Songs: Odd Todd and Even Steven	• Odd and Even Recognition

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Work with equal groups of objects to gain foundations for multiplication. 2.OA.C.3, 2.OA.C.4		
Use addition to find the total number of objects arranged in a rectangular array	• Multiply Using Repeated Addition • Multiply Using Arrays	
Geometry		
Reason with shapes and their attributes. 1.G.A.1, 1.G.A.2, 2.G.A.1		
Recognize and draw 2-dimensional and 3-dimensional figures with specified attributes	• Songs: Kites • Books: The Shape of Things • Corners and Sides • Space Shapes • World Shapes	• Draw Shapes
Identify triangles, quadrilaterals, pentagons, hexagon, and cubes.	• Songs: Kites • Books: The Shape of Things • Corners and Sides • Space Shapes • World Shapes	• Draw Shapes
Partition shapes into equal parts. 1.G.A.3, 2.G.A.2, 2.G.A.3		
Partition circles and rectangles into two, three, or four equal parts.	• Songs: Fractions • Books: Halves and Fourths and Thirds; The Fraction Twins • Label Parts of Fractions • Fractions of Regions • Fractions of Groups	• Fractions
Partition a rectangle into rows and columns of the same-size squares.	• Songs: Fractions • Books: Halves and Fourths and Thirds; The Fraction Twins • Label Parts of Fractions • Fractions of Regions • Fractions of Groups	• Fractions

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Partition shapes into equal parts. 1.G.A.3, 2.G.A.2, 2.G.A.3 *continued*		
Recognize that equal parts of identical wholes do not always have the same shape	• Songs: Fractions • Books: Halves and Fourths and Thirds; The Fraction Twins • Label Parts of Fractions • Fractions of Regions • Fractions of Groups	• Fractions
Measurement and Data		
Measure and estimate lengths. 1.MD.A.1, 1.MD.A.2, 2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4		
Measure the length of an object using an appropriate tool.	• Measurement Tools	• Generating Measurement Data
Measure the length of an object using two different units.	• Length • Standard Units of Length • Nonaction Verbs	• Measuring the Same Object Two Ways
Estimate lengths of objects.		• Estimating Lengths
Compare the lengths of two objects.	• Length • Standard Units of Length • Nonaction Verbs	• Measure Length
Use addition within 100 to solve problems involving length.	• Length • Nonstandard Units of Length • Standard Units of Length	• Add and Subtract Word Problems Within 100
Use subtraction within 100 to solve problems involving length.		• Add and Subtract Word Problems Within 100

Reveal MATH®	Waterford Digital Activities	Waterford Resources
Relate addition and subtraction to length. 2.MD.B.5, 2.MD.B.6		
Represent whole numbers as lengths on a number line.	• Number Line • Length	
Show sums and differences within 100 on anumber line.	• Number Line • Use the Number Line	
Work with time and money. 1.MD.B.3, 2.MD.C.7, 2.MD.C.8		
Tell and write time to the nearest five minutes on analog and digital clocks	• 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 and Write Time
Solve problems involving bills and coins.	• Songs: Money; Save Your Pennies • Books: Bugs For Sale • Coin Identification • Coin Value • Quarters • Make Change • Count Coins • Count Bills and Coins • Equivalent Sums of Money	• Solve Money Word Problems
Generate measurement data of lengths of object.	• Length • Standard Units of Length • Nonstandard Units of Length	• Generating Measurement Data
Make a line plot to show measurement data.		• Generating Measurement Data
Solve problems about the data presented in a bar graph.	• Bar Graphs	• Graphs

Books and Related Activities

Waterford.org

Pre-Math and 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 / Fun 15 / 16 Ants / Counting to 17 / 18 Carrot Stew / 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

Marching Band Counting / Flower Counting / Country 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 Fish to Catch / Fun 15 / 16 Ants / Counting to 17 / 18 Carrot Stew / 19 On the Beach / 20 Fingers and Toes

Basic Math and Science

Math and Science Books

One More Cat / Can You Guess? A Story for Two Voices / 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 / Navajo Beads / Where in the World Would You Go Today? / I Want to Be a Scientist Like Wilbur and Orville Wright

Fluent Math and Science

Math and 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

Research-Driven Development

Waterford is committed to ongoing development based on the latest research findings. Please note that this correlation is accurate as of the date on the cover.

Family Engagement Resources

Waterford.org

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 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 / O: Polly, Put the Kettle On / P: This Little Pig / Q: Quack, Quack, Quack / R: Little Rabbit / S: Eensy, Weensy Spider / 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

Many of these songs are available on the →Waterford.org YouTube channel.

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

Waterford Mentor

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