



# Alignment

## February 2026

**100%**  
Aligned

**Waterford  
Early Learning:  
Math**

**Eureka Math<sup>2</sup>**

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

This document provides a detailed alignment of **Waterford Early Learning** to **Eureka Math<sup>2</sup>**.

## Alignment Description

This document aligns Eureka Math<sup>2</sup> 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](https://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](#).

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<b>Kindergarten</b>		
<b>Kindergarten Module 1: Numbers to 10</b>		
<p>Know number names and the count sequence.</p>	<ul style="list-style-type: none"> <li>• Math Books</li> <li>• Counting Songs</li> <li>• Number Songs</li> <li>• Number Counting</li> <li>• Number Instruction</li> </ul>	<ul style="list-style-type: none"> <li>• Write Numbers 0-20</li> </ul>
<p>Count to tell the number of objects.</p>	<ul style="list-style-type: none"> <li>• Counting Songs</li> <li>• Number Songs</li> <li>• Number Counting</li> <li>• Order Numbers</li> <li>• One-to-one Correspondence</li> <li>• Make and Count Groups</li> <li>• Number Instruction</li> <li>• Number Instruction</li> <li>• Match Numbers</li> <li>• Count On by 1</li> <li>• Numbers Review</li> </ul>	<ul style="list-style-type: none"> <li>• Object Counting Basics</li> <li>• Object Counting Grouping</li> <li>• Object Counting Succession</li> <li>• How Many?</li> <li>• Decompose Numbers</li> </ul>
<p>Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.</p>	<ul style="list-style-type: none"> <li>• Make and Count Groups</li> <li>• Add Groups</li> <li>• Subtract Groups</li> <li>• Act Out Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>• Decompose Numbers</li> </ul>
<p>Classify objects and count the number of objects in each category.</p>	<ul style="list-style-type: none"> <li>• Songs: Same and Different; All Sorts of Laundry</li> <li>• Books: Buttons, Buttons</li> <li>• Sort</li> <li>• Make and Count Groups</li> </ul>	<ul style="list-style-type: none"> <li>• Classifying Objects</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Kindergarten Module 2: Two-Dimensional and Three-Dimensional Shapes</b>		
Classify objects and count the number of objects in each category.	<ul style="list-style-type: none"> <li>• Songs: Same and Different; All Sorts of Laundry</li> <li>• Books: Buttons, Buttons</li> <li>• Sort</li> <li>• Make and Count Groups</li> </ul>	<ul style="list-style-type: none"> <li>• Classifying Objects</li> </ul>
Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	<ul style="list-style-type: none"> <li>• Songs: Position Cat; Kites; Get Over the Bugs; Shapes, Shapes, Shapes</li> <li>• Books: The Shape of Things; Imagination Shapes; Up in the Air</li> <li>• Over, Under, Above, Below</li> <li>• Inside, Outside, Between</li> <li>• Circle, Square, Triangle, Rectangle</li> <li>• Simple Shapes</li> <li>• Solid Shapes</li> <li>• World Shapes</li> <li>• Above, Below, Next to, On</li> <li>• Star, Semicircle, Octagon, Oval, Rhombus</li> <li>• Space Shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Describing Objects</li> <li>• Shape Recognition</li> <li>• Two-Dimensional Shapes</li> <li>• Position Words</li> </ul>
Analyze, compare, create, and compose shapes.	<ul style="list-style-type: none"> <li>• Songs: Corners and Sides</li> <li>• Simple Shapes</li> <li>• Solid Shapes</li> <li>• Space Shapes</li> <li>• Congruence</li> <li>• Tangrams</li> <li>• Similar Figures</li> </ul>	<ul style="list-style-type: none"> <li>• Compare Shapes</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Kindergarten Module 3: Comparison of Length, Weight, Capacity, and Numbers to 10</b>		
Compare numbers.	<ul style="list-style-type: none"> <li>• Songs: Greater Than, Less Than</li> <li>• Books: For the Birds</li> <li>• Greater Than, Less Than</li> <li>• More Than, Fewer Than</li> <li>• More Than</li> <li>• Fewer Than</li> <li>• Make and Count Groups</li> </ul>	<ul style="list-style-type: none"> <li>• Greater, Less, or Equal</li> <li>• Compare Two Numbers</li> </ul>
Describe and compare measurable attributes.	<ul style="list-style-type: none"> <li>• Songs: Savanna Size, Measuring Plants</li> <li>• Capacity</li> <li>• Length</li> <li>• Big and Little</li> <li>• Tall and Short</li> <li>• Heavy and Light</li> </ul>	<ul style="list-style-type: none"> <li>• Measurable Attributes</li> <li>• Comparing Objects</li> </ul>
<b>Kindergarten Module 4: Number Pairs, Addition and Subtraction to 10</b>		
Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.	<ul style="list-style-type: none"> <li>• Songs: Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction</li> <li>• Books: Five Delicious Muffins</li> <li>• Make and Count Groups</li> <li>• Add Groups</li> <li>• Subtract Groups</li> <li>• Act Out Addition</li> <li>• Act Out Subtraction</li> <li>• Minuends</li> <li>• Sums</li> <li>• Make 10</li> <li>• Missing Addends</li> <li>• Count On</li> </ul>	<ul style="list-style-type: none"> <li>• Represent Addition and Subtraction with Objects</li> <li>• Addition and Subtraction Word Problems</li> <li>• Decompose Numbers</li> <li>• Numbers that Make 10</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Kindergarten Module 5: Numbers 10–20 and Counting to 100</b>		
Know number names and the count sequence.	<ul style="list-style-type: none"> <li>• Math Books</li> <li>• Number Songs</li> <li>• Counting Songs</li> <li>• Number Counting</li> <li>• Number Instruction</li> <li>• Skip Counting</li> <li>• Count On</li> </ul>	<ul style="list-style-type: none"> <li>• Count to 100 by Ones and Tens</li> <li>• Count Forward</li> <li>• Write Numbers 0-20</li> </ul>
Count to tell the number of objects.	<ul style="list-style-type: none"> <li>• Songs: Counting; Number</li> <li>• Number Counting</li> <li>• Order Numbers</li> <li>• One-to-one Correspondence</li> <li>• Make and Count Groups</li> <li>• Number Instruction</li> <li>• Match Numbers</li> <li>• Count On by 1</li> </ul>	<ul style="list-style-type: none"> <li>• Object Counting Basics</li> <li>• Object Counting Grouping</li> <li>• Object Counting Succession</li> <li>• How Many?</li> </ul>
Work with numbers 11–19 to gain foundations for place value.	<ul style="list-style-type: none"> <li>• Place Value</li> </ul>	<ul style="list-style-type: none"> <li>• Tens and Ones</li> </ul>
<b>Kindergarten Module 6: Analyzing, Comparing, and Composing Shapes</b>		
Count to tell the number of objects.	<ul style="list-style-type: none"> <li>• Counting Songs</li> <li>• Number Songs</li> <li>• Number Counting</li> <li>• Order Numbers</li> <li>• One-to-one Correspondence</li> <li>• Make and Count Groups</li> <li>• Number Instruction</li> <li>• Match Numbers</li> <li>• Count On by 1</li> </ul>	<ul style="list-style-type: none"> <li>• Object Counting Basics</li> <li>• Object Counting Grouping</li> <li>• Object Counting Succession</li> <li>• How Many?</li> </ul>
Analyze, compare, create and compose shapes.	<ul style="list-style-type: none"> <li>• Geoboard</li> <li>• Tangrams</li> </ul>	<ul style="list-style-type: none"> <li>• Model Shapes</li> <li>• Form Larger Shapes</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1</b>		
<b>Grade 1 Module 1: Sums and Differences to 10</b>		
Represent and solve problems involving addition and subtraction.	<ul style="list-style-type: none"> <li>• Songs: Fact Families; Doubles</li> <li>• Books: Facts About Families</li> <li>• Addition and Subtraction Fact Families</li> <li>• Addition and Subtraction Relationship</li> </ul>	<ul style="list-style-type: none"> <li>• Word Problems Using Subtraction within 20</li> </ul>
Understand and apply properties of operations and the relationship between addition and subtraction.	<ul style="list-style-type: none"> <li>• Addition and Subtraction Relationship</li> <li>• Addition and Subtraction Fact Families</li> <li>• Subtraction Patterns</li> <li>• Commutative Property of Addition</li> <li>• Missing Addends</li> <li>• Subtraction Patterns</li> </ul>	<ul style="list-style-type: none"> <li>• Strategies to Add and Subtract</li> <li>• Understand Subtraction as an Unknown Addend Problem</li> </ul>
Add and subtract within 20.	<ul style="list-style-type: none"> <li>• Songs: Fact Families; Counting On</li> <li>• Books: Facts about Families; Circus 20; Painting by Number; Jump Rope Rhymes</li> <li>• Addition and Subtraction Fact Families</li> <li>• Addition Sentences</li> <li>• Subtraction Sentences</li> <li>• Commutative Property of Addition</li> <li>• Addition and Subtraction Relationship</li> <li>• Missing Addends</li> <li>• Missing Minuends and Subtrahends</li> <li>• Add 3 One-digit Numbers</li> <li>• Subtraction Patterns</li> <li>• Skip Count by 2</li> <li>• Count On</li> <li>• Make and Count Groups</li> <li>• Add Groups</li> <li>• Subtract Groups</li> </ul>	<ul style="list-style-type: none"> <li>• Add and Subtract within 20</li> <li>• Relate Counting to Addition and Subtraction</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1 Module 1: Sums and Differences to 10 <i>continued</i></b>		
Work with addition and subtraction equations.	<ul style="list-style-type: none"> <li>• Songs: Fact Families</li> <li>• Books: Facts About Families</li> <li>• Addition and Subtraction Fact Families</li> <li>• Addition and Subtraction Relationship</li> <li>• Commutative Property of Addition</li> <li>• Addition Sentences</li> <li>• Subtraction Sentences</li> <li>• Greater Than, Less Than</li> <li>• More Than, Fewer Than</li> <li>• Missing Addends</li> <li>• Missing Minuends and Subtrahends</li> </ul>	<ul style="list-style-type: none"> <li>• Equal Sign</li> </ul>
<b>Grade 1 Module 2: Introduction to Place Value Through Addition and Subtraction Within 20</b>		
Represent and solve problems involving addition and subtraction.	<ul style="list-style-type: none"> <li>• Songs: Fact Families; Doubles</li> <li>• Books: Facts About Families</li> <li>• Addition and Subtraction Fact Families</li> <li>• Addition and Subtraction Relationship</li> <li>• Add 3 One-digit Numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Word Problems Using Subtraction within 20</li> <li>• Word Problems Adding 3 Numbers</li> </ul>
Understand and apply properties of operations and the relationship between addition and subtraction.	<ul style="list-style-type: none"> <li>• Addition and Subtraction Relationship</li> <li>• Addition and Subtraction Fact Families</li> <li>• Subtraction Patterns</li> <li>• Commutative Property of Addition</li> <li>• Missing Addends</li> </ul>	<ul style="list-style-type: none"> <li>• Strategies to Add and Subtract</li> <li>• Understand Subtraction as an Unknown Addend Problem</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1 Module 2: Introduction to Place Value Through Addition and Subtraction Within 20 <i>continued</i></b>		
Add and subtract within 20.	<ul style="list-style-type: none"> <li>• Songs: Fact Families; Counting On</li> <li>• Books: Facts about Families; Circus 20; Painting by Number</li> <li>• Addition and Subtraction Fact Families</li> <li>• Addition Sentences</li> <li>• Subtraction Sentences</li> <li>• Commutative Property of Addition</li> <li>• Addition and Subtraction Relationship</li> <li>• Missing Addends</li> <li>• Missing Minuends and Subtrahends</li> <li>• Add 3 One-digit Numbers</li> <li>• Subtraction Patterns</li> </ul>	<ul style="list-style-type: none"> <li>• Add and Subtract within 20</li> </ul>
Understand place value.	<ul style="list-style-type: none"> <li>• Songs: Place Value</li> <li>• Place Value of 2-digit Numbers</li> <li>• Add with Manipulatives</li> </ul>	<ul style="list-style-type: none"> <li>• Tens as A Bundle of Ones</li> <li>• 11-19 Broken Down</li> </ul>
<b>Grade 1 Module 3: Ordering and Comparing Length Measurements as Numbers</b>		
Represent and solve problems involving addition and subtraction.	<ul style="list-style-type: none"> <li>• Songs: Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction</li> <li>• Books: Five Delicious Muffins</li> <li>• Make and Count Groups</li> <li>• Add Groups</li> <li>• Subtract Groups</li> <li>• Act Out Addition</li> <li>• Act Out Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>• Represent Addition and Subtraction with Objects</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1 Module 3: Ordering and Comparing Length Measurements as Numbers <i>continued</i></b>		
Measure lengths indirectly and by iterating length units.	<ul style="list-style-type: none"> <li>• Songs: Savanna Size, Measuring Plants</li> <li>• Capacity</li> <li>• Length</li> <li>• Big and Little</li> <li>• Tall and Short</li> <li>• Heavy and Light</li> </ul>	<ul style="list-style-type: none"> <li>• Measurable Attributes</li> <li>• Comparing Objects</li> </ul>
Represent and interpret data.	<ul style="list-style-type: none"> <li>• Songs: Tallying; Graphing</li> <li>• Books: One More Cat</li> <li>• Tally Marks</li> <li>• Graphs</li> <li>• Make a Table</li> </ul>	<ul style="list-style-type: none"> <li>• Data Categorization</li> </ul>
<b>Grade 1 Module 4: Place Value, Comparison, Addition and Subtraction to 40</b>		
Represent and solve problems involving addition and subtraction.	<ul style="list-style-type: none"> <li>• Songs: Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction</li> <li>• Books: Five Delicious Muffins</li> <li>• Make and Count Groups</li> <li>• Add Groups</li> <li>• Subtract Groups</li> <li>• Act Out Addition</li> <li>• Act Out Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>• Represent Addition and Subtraction with Objects</li> </ul>
Extend the counting sequence.	<ul style="list-style-type: none"> <li>• Songs: Counting On</li> <li>• Count On</li> <li>• Number Chart</li> </ul>	<ul style="list-style-type: none"> <li>• Count to 120</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1 Module 4: Place Value, Comparison, Addition and Subtraction to 40 <i>continued</i></b>		
Understand place value.	<ul style="list-style-type: none"> <li>● Songs: Place Value</li> <li>● Place Value of 2-digit Numbers</li> <li>● Add with Manipulatives</li> <li>● Place Value</li> <li>● Place Value of 2-digit Numbers</li> <li>● Greater Than, Less Than (2-digit Numbers)</li> </ul>	<ul style="list-style-type: none"> <li>● Tens as A Bundle of Ones</li> <li>● 11-19 Broken Down</li> <li>● Ten Groupings</li> <li>● Compare Two-Digit Numbers</li> </ul>
Use place value understanding and properties of operations to add and subtract.	<ul style="list-style-type: none"> <li>● Songs: Skip Counting</li> <li>● Books: Navajo Beads</li> <li>● Addition</li> <li>● Add Tens</li> <li>● Add with Manipulatives</li> <li>● Add Vertical Squares</li> <li>● Add with Beads</li> <li>● Addition and Subtraction Relationship</li> <li>● Add with Regrouping Concept</li> <li>● Add 2-digit and 1-digit Numbers with Regrouping</li> <li>● Add 2-digit Numbers without Regrouping</li> <li>● Add 2-digit Numbers with Regrouping</li> <li>● Add</li> <li>● Subtract</li> <li>● Subtract Tens</li> <li>● Skip Count by 10</li> <li>● Number Chart</li> <li>● Subtraction</li> <li>● Subtraction Patterns</li> <li>● Place Value</li> <li>● Use Manipulatives</li> </ul>	<ul style="list-style-type: none"> <li>● Adding within 100</li> <li>● Ten More or Less</li> <li>● Subtracting in 10s</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1 Module 5: Identifying, Composing, and Partitioning Shapes</b>		
Tell and write time and money.	<ul style="list-style-type: none"> <li>• Songs: Telling Time; Clock Hands; Money; Save Your Pennies</li> <li>• Books: Mr. Romano’s Secret: A Time Story; How Long Is a Minute?; Bugs For Sale</li> <li>• Tell Time to the Hour</li> <li>• Tell Time to the Half-Hour</li> <li>• Tell Time</li> <li>• Tell Time to Five Minutes</li> <li>• Tell Time to the Quarter Hour</li> <li>• Tell Time to the Minute</li> <li>• Coin Identification</li> <li>• Coin Value</li> <li>• Quarters</li> <li>• Count Dimes, Nickels, and Pennies</li> <li>• Count Quarters, Dimes, Nickels, and Pennies</li> <li>• Count Nickels and Pennies or Dimes and Pennies</li> <li>• Make Change</li> <li>• Count Coins</li> <li>• Count Bills and Coins</li> <li>• Equivalent Sums of Money</li> </ul>	<ul style="list-style-type: none"> <li>• Hours and Half-Hours</li> </ul>
Reason with shapes and their attributes.	<ul style="list-style-type: none"> <li>• Songs: Corners and Sides; Kites; Fractions</li> <li>• Books: Halves and Fourths and Thirds; Half For You and Half For Me</li> <li>• Geoboard</li> <li>• Space Shapes</li> <li>• Tangrams</li> <li>• Equal-part Fractions</li> <li>• Label Parts of Fractions</li> </ul>	<ul style="list-style-type: none"> <li>• Attributes</li> <li>• Equal Shares</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 1 Module 6: Place Value, Comparison, Addition and Subtraction to 100</b>		
Represent and solve problems involving addition and subtraction.	<ul style="list-style-type: none"> <li>• Songs: Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction</li> <li>• Books: Five Delicious Muffins</li> <li>• Make and Count Groups</li> <li>• Add Groups</li> <li>• Subtract Groups</li> <li>• Act Out Addition</li> <li>• Act Out Subtraction</li> </ul>	<ul style="list-style-type: none"> <li>• Represent Addition and Subtraction with Objects</li> </ul>
Extend the counting sequence.	<ul style="list-style-type: none"> <li>• Songs: Counting On</li> <li>• Count On</li> <li>• Number Chart</li> </ul>	<ul style="list-style-type: none"> <li>• Count to 120</li> </ul>
<b>Grade 1 Module 6: Place Value, Comparison, Addition and Subtraction to 100 <i>continued</i></b>		
Understand place value.	<ul style="list-style-type: none"> <li>• Songs: Place Value</li> <li>• Place Value of 2-digit Numbers</li> <li>• Add with Manipulatives</li> <li>• Place Value</li> <li>• Place Value of 2-digit Numbers</li> <li>• Greater Than, Less Than (2-digit Numbers)</li> <li>• More Than, Fewer Than</li> </ul>	<ul style="list-style-type: none"> <li>• Tens as A Bundle of Ones</li> <li>• 11-19 Broken Down</li> <li>• Ten Groupings</li> <li>• Compare Two-Digit Numbers</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<p>Use place value understanding and properties of operations to add and subtract.</p>	<ul style="list-style-type: none"> <li>● Songs: Skip Counting</li> <li>● Books: Navajo Beads</li> <li>● Addition</li> <li>● Add Tens</li> <li>● Add with Manipulatives</li> <li>● Add Vertical Squares</li> <li>● Add with Beads</li> <li>● Addition and Subtraction Relationship</li> <li>● Add with Regrouping Concept</li> <li>● Add 2-digit and 1-digit Numbers with Regrouping</li> <li>● Add 2-digit Numbers without Regrouping</li> <li>● Add 2-digit Numbers with Regrouping</li> <li>● Add</li> <li>● Subtract</li> <li>● Subtract Tens</li> <li>● Skip Count by 10</li> <li>● Number Chart</li> <li>● Subtraction</li> <li>● Subtraction Patterns</li> <li>● Place Value</li> </ul>	<ul style="list-style-type: none"> <li>● Adding within 100</li> <li>● Ten More or Less</li> <li>● Subtracting in 10s</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
Tell and write time and money.	<ul style="list-style-type: none"> <li>• Songs: Telling Time; Clock Hands; Money; Save Your Pennies</li> <li>• Books: Mr. Romano’s Secret: A Time Story; How Long Is a Minute?; Bugs For Sale</li> <li>• Tell Time to the Hour</li> <li>• Tell Time to the Half-Hour</li> <li>• Tell Time</li> <li>• Tell Time to Five Minutes</li> <li>• Tell Time to the Quarter Hour</li> <li>• Tell Time to the Minute</li> <li>• Coin Identification</li> <li>• Coin Value</li> <li>• Quarters</li> <li>• Count Dimes, Nickels, and Pennies</li> <li>• Count Quarters, Dimes, Nickels, and Pennies</li> <li>• Count Nickels and Pennies or Dimes and Pennies</li> <li>• Make Change</li> <li>• Count Coins</li> <li>• Count Bills and Coins</li> <li>• Equivalent Sums of Money</li> </ul>	<ul style="list-style-type: none"> <li>• Hours and Half-Hours</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2</b>		
<b>Grade 2 Module 1: Sums and Differences to100</b>		
Represent and solve problems involving addition and subtraction.	<ul style="list-style-type: none"> <li>• Books: Painting by Number</li> <li>• Addition</li> <li>• Subtraction</li> <li>• Missing Addends and Subtrahends</li> <li>• Subtraction Sentences</li> <li>• Addition and Subtraction Facts</li> </ul>	<ul style="list-style-type: none"> <li>• One- and Two-Step Word Problems within 100</li> </ul>
Add and subtract within 20.	<ul style="list-style-type: none"> <li>• Songs: Fact Families; Doubles</li> <li>• Subtraction Patterns</li> <li>• Addition Facts to 20</li> <li>• Mental Math</li> <li>• Speed Games</li> </ul>	<ul style="list-style-type: none"> <li>• Add and Subtract within 20</li> </ul>
Use place value understanding and properties of operations to add and subtract.	<ul style="list-style-type: none"> <li>• Place Value</li> <li>• Addition and Subtraction Relationship</li> <li>• Commutative Properties of Addition</li> <li>• Addition</li> <li>• Subtraction</li> <li>• Add without Regrouping</li> <li>• Add with Regrouping</li> <li>• Subtract without regrouping</li> <li>• Subtract with Regrouping</li> </ul>	<ul style="list-style-type: none"> <li>• Add and Subtract within 100</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 2: Addition and Subtraction of Length Units</b>		
Measure and estimate lengths in standard units.	<ul style="list-style-type: none"> <li>• Songs: Measuring Plants</li> <li>• Books: Birds at My House</li> <li>• Length</li> <li>• Measurement Tools</li> <li>• Standard Units of Length</li> </ul>	<ul style="list-style-type: none"> <li>• Measurement Tools</li> <li>• Measuring the Same Object Two Ways</li> <li>• Estimating Lengths</li> <li>• Measure Length</li> </ul>
Relate addition and subtraction to length.	<ul style="list-style-type: none"> <li>• Books: Yangshi’s Perimeter</li> <li>• Addition</li> <li>• Subtraction</li> <li>• Length</li> <li>• Standard Units of Length</li> <li>• Number Line</li> </ul>	<ul style="list-style-type: none"> <li>• One- and Two-Step Word Problems within 100</li> </ul>
<b>Grade 2 Module 3: Place Value, Counting, and Comparison of Numbers to 1,000</b>		
Understand place value.	<ul style="list-style-type: none"> <li>• Songs: Place Value; Skip Counting</li> <li>• Books: Jump Rope Rhymes</li> <li>• Place Value</li> <li>• Place Value of 3-digit Numbers</li> <li>• Skip Count</li> <li>• Skip Count by 10</li> <li>• Skip Count by 5</li> <li>• Number Sequences and Patterns</li> <li>• Sequences of 2-digit Numbers</li> <li>• Sequences of 3-digit Numbers</li> <li>• Number Chart</li> <li>• Greater Than, Less Than (3-digit Numbers)</li> <li>• Place Value of 3-digit Numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Thinking of 100 as a Bundle of Ten 10s</li> <li>• Grouping Hundreds</li> <li>• Counting within 1000</li> <li>• Read and Write Numbers to 1000</li> <li>• Less Than, Equal To, or Greater Than</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 4: Addition and Subtraction Within 200 with Word Problems to 100</b>		
<p>Represent and solve problems involving addition and subtraction.</p>	<ul style="list-style-type: none"> <li>● Books: Painting by Number</li> <li>● Addition</li> <li>● Subtraction</li> <li>● Missing Addends and Subtrahends</li> <li>● Subtraction Sentences</li> <li>● Addition and Subtraction Facts</li> </ul>	<ul style="list-style-type: none"> <li>● One- and Two-Step Word Problems within 100</li> </ul>
<p>Use place value understanding and properties of operations to add and subtract.</p>	<ul style="list-style-type: none"> <li>● Place Value</li> <li>● Addition and Subtraction Relationship</li> <li>● Commutative Properties of Addition</li> <li>● Addition</li> <li>● Subtraction</li> <li>● Add without Regrouping</li> <li>● Add with Regrouping</li> <li>● Subtract without regrouping</li> <li>● Subtract with Regrouping</li> <li>● Add Two-digit Numbers with Regrouping</li> <li>● Commutative Properties of Addition</li> <li>● Act Out Addition</li> <li>● Act Out Subtraction</li> <li>● Skip Count</li> <li>● Place Value</li> <li>● Number Chart</li> <li>● Number Patterns</li> <li>● Mental Math</li> <li>● Speed Games</li> <li>● Number Line</li> </ul>	<ul style="list-style-type: none"> <li>● Add and Subtract within 100</li> <li>● Adding Four 2-Digit Numbers</li> <li>● Add and Subtract within 1000</li> <li>● Mentally Adding or Subtracting 10 or 100</li> <li>● Explaining Addition and Subtraction Strategies</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 5: Addition and Subtraction Within 1,000 with Word Problems to 100</b>		
<p>Use place value understanding and properties of operations to add and subtract.</p>	<ul style="list-style-type: none"> <li>● Place Value</li> <li>● Addition and Subtraction Relationship</li> <li>● Commutative Properties of Addition</li> <li>● Addition</li> <li>● Subtraction</li> <li>● Add without Regrouping</li> <li>● Add with Regrouping</li> <li>● Subtract without regrouping</li> <li>● Subtract with Regrouping</li> <li>● Act Out Addition</li> <li>● Act Out Subtraction</li> <li>● Skip Count</li> <li>● Place Value</li> <li>● Number Chart</li> <li>● Number Patterns</li> <li>● Mental Math Games</li> <li>● Number Line</li> </ul>	<ul style="list-style-type: none"> <li>● Add and Subtract within 1000</li> <li>● Mentally Adding or Subtracting 10 or 100</li> <li>● Explaining Addition and Subtraction Strategies</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 6: Foundations of Multiplication and Division</b>		
Work with equal groups of objects to gain foundations for multiplication.	<ul style="list-style-type: none"> <li>• Songs: Odd Todd and Even Steven</li> <li>• Skip Count by 2</li> <li>• Addition Facts</li> <li>• Addition</li> <li>• Multiply Using Repeated Addition</li> <li>• Multiply Using Arrays</li> </ul>	<ul style="list-style-type: none"> <li>• Odd and Even Recognition</li> </ul>
Reason with shapes and their attributes.	<ul style="list-style-type: none"> <li>• Songs: Shapes, Shapes, Shapes; Corners and Sides; Kites; Fractions</li> <li>• Books: The Shape of Things; Imagination Shapes</li> <li>• Space Shapes</li> <li>• World Shapes</li> <li>• Geoboard</li> <li>• Fractions of Regions</li> <li>• Fractions of Regions</li> <li>• Shape</li> </ul>	<ul style="list-style-type: none"> <li>• Odd and Even Flashcards</li> <li>• Shapes</li> <li>• Shape Recognition</li> </ul>
<b>Grade 2 Module 7: Problem Solving with Length, Money, and Data</b>		
Use place value understanding and properties of operations to add and subtract.	<ul style="list-style-type: none"> <li>• Place Value</li> <li>• Addition and Subtraction Relationship</li> <li>• Commutative Properties of Addition</li> <li>• Addition</li> <li>• Subtraction</li> <li>• Add without Regrouping</li> <li>• Add with Regrouping</li> <li>• Subtract without regrouping</li> <li>• Subtract with Regrouping</li> </ul>	<ul style="list-style-type: none"> <li>• Add and Subtract within 100</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 7: Problem Solving with Length, Money, and Data <i>continued</i></b>		
Measure and estimate lengths in standard units.	<ul style="list-style-type: none"> <li>• Songs: Measuring Plants</li> <li>• Books: Birds at My House</li> <li>• Length</li> <li>• Measurement Tools</li> <li>• Standard Units of Length</li> </ul>	<ul style="list-style-type: none"> <li>• Measurement Tools</li> <li>• Measuring the Same Object Two Ways</li> <li>• Estimating Lengths</li> <li>• Measure Length</li> </ul>
Relate addition and subtraction to length.	<ul style="list-style-type: none"> <li>• Books: Yangshi’s Perimeter</li> <li>• Addition</li> <li>• Subtraction</li> <li>• Length</li> <li>• Standard Units of Length</li> <li>• Number Line</li> </ul>	<ul style="list-style-type: none"> <li>• One- and Two-Step Word Problems within 100</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 7: Problem Solving with Length, Money, and Data <i>continued</i></b>		
Work with time and money.	<ul style="list-style-type: none"> <li>• Songs: Telling Time; Clock Hands; Money; Save Your Pennies</li> <li>• Books: Mr. Romano’s Secret: A Time Story; How Long Is a Minute?; Bugs For Sale</li> <li>• Tell Time to the Hour</li> <li>• Tell Time to the Half-Hour</li> <li>• Tell Time</li> <li>• Tell Time to Five Minutes</li> <li>• Tell Time to the Quarter Hour</li> <li>• Tell Time to the Minute</li> <li>• Coin Identification</li> <li>• Coin Value</li> <li>• Quarters</li> <li>• Count Dimes, Nickels, and Pennies</li> <li>• Count Quarters, Dimes, Nickels, and Pennies</li> <li>• Count Nickels and Pennies or Dimes and Pennies</li> <li>• Make Change</li> <li>• Count Coins</li> <li>• Count Bills and Coins</li> <li>• Equivalent Sums of Money</li> </ul>	<ul style="list-style-type: none"> <li>• Solve Money Word Problems</li> </ul>
Represent and interpret data.	<ul style="list-style-type: none"> <li>• Songs: Graphing</li> <li>• Measurement Tools</li> <li>• Graphing</li> <li>• Bar Graphs</li> <li>• Picture Graphs</li> <li>• Use Graphs and Tables</li> </ul>	<ul style="list-style-type: none"> <li>• Generating Measurement Data</li> <li>• Graphs</li> </ul>

Eureka Math Skills	Waterford Digital Activities	Waterford Resources
<b>Grade 2 Module 8: Time, Shapes, and Fractions as Equal Parts of Shapes</b>		
Work with time and money.	<ul style="list-style-type: none"> <li>• Songs: Telling Time; Clock Hands; Money; Save Your Pennies</li> <li>• Books: Bugs For Sale</li> <li>• Tell Time</li> <li>• Tell Time to Five Minutes</li> <li>• Tell Time to the Quarter Hour</li> <li>• Tell Time to the Minute</li> <li>• Tell Time to the Hour</li> <li>• Tell Time to the Half-hour</li> <li>• Coin Identification</li> <li>• Coin Value</li> <li>• Quarters</li> <li>• Count Dimes, Nickels, and Pennies</li> <li>• Count Quarters, Dimes, Nickels, and Pennies</li> <li>• Count Nickels and Pennies or Dimes and Pennies</li> <li>• Make Change</li> <li>• Count Coins</li> <li>• Count Bills and Coins</li> <li>• Equivalent Sums of Money</li> </ul>	<ul style="list-style-type: none"> <li>• Tell and Write Time</li> <li>• Solve Money Word Problems</li> </ul>
Reason with shapes and their attributes.	<ul style="list-style-type: none"> <li>• Songs: Shapes, Shapes, Shapes; Corners and Sides; Kites; Fractions</li> <li>• Books: The Shape of Things</li> <li>• Space Shapes</li> <li>• World Shapes</li> <li>• Geoboard</li> <li>• Fractions of Regions</li> </ul>	<ul style="list-style-type: none"> <li>• Draw Shapes</li> </ul>

## 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 X1 / 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.](#)

## 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.

## Spanish Family Engagement Resources

All Waterford books and many of the resources available to families at [→family.waterford.org](https://family.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](https://www.youtube.com/channel/UC...).

## 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

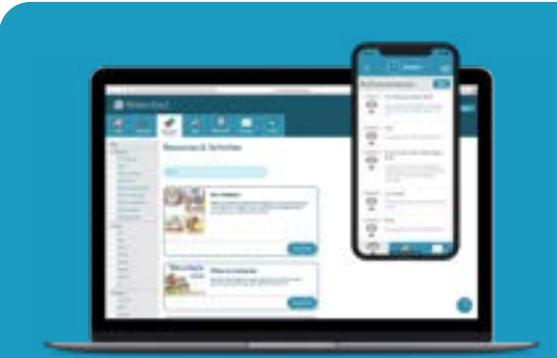
Sum Up: Remember Order, Sum Up: Remember Details, Peek at the Story, Guess and Check, Connect to Me, Build Knowledge

## 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 Family**

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