

Alignment

May 2026

98%
Aligned

**Waterford
Early Learning:
Math**

**DreamBox Learning
Units by Domain
Category**

This document provides a detailed alignment of **Waterford Early Learning** to **DreamBox Learning Units by Domain Category**.

Alignment Description

This document aligns DreamBox Learning Units by Domain Category 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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Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Pre-K & Kinder		
Counting		
Build 1 to 10 Optimally	<ul style="list-style-type: none"> • Number Songs • Counting Songs • Number Counting • Counting On • Number Instruction • Skip Counting 	<ul style="list-style-type: none"> • Count to 100 by Ones and Tens
Doubles & Near Doubles	<ul style="list-style-type: none"> • Songs: Fact Families; Doubles • Books: Facts About Families • Doubles 	
Patterning with Numbers	<ul style="list-style-type: none"> • Number Patterns 	
Comparisons & Ordering		
Compare 1 to 10	<ul style="list-style-type: none"> • Books: For the Birds • Greater Than, Less Than • More Than, Fewer Than • More Than • Fewer Than • Make and Count Groups 	<ul style="list-style-type: none"> • Greater, Less, or Equal • Compare Numbers
Identify More, Less & Equal	<ul style="list-style-type: none"> • Books: For the Birds • Greater Than, Less Than • More Than, Fewer Than • More Than • Fewer Than • Make and Count Groups 	<ul style="list-style-type: none"> • Greater, Less, or Equal • Compare Numbers

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Comparisons & Ordering <i>continued</i>		
Ordering Numbers	<ul style="list-style-type: none"> • Counting Songs • Number Songs (See titles at end of document.) • Number Counting • Order Numbers • One-to-one Correspondence • Number Instruction 	<ul style="list-style-type: none"> • Object Counting Basics
Patterning with Shapes	<ul style="list-style-type: none"> • Songs: Train Station Patterns • Books: How King Snake Got His Pattern • Patterns • Pattern AB • Pattern ABB • Pattern ABC 	<ul style="list-style-type: none"> • Patterns
Addition & Subtraction		
Beginning Adding & Removing	<ul style="list-style-type: none"> • Songs: On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction • Books: Five Delicious Muffins • Add Groups • Subtract Groups • Minuends • Sums • Act Out Addition • Act Out Subtraction 	<ul style="list-style-type: none"> • Decompose Numbers
Identifying Missing Addend	<ul style="list-style-type: none"> • Missing Addends 	

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Addition & Subtraction <i>continued</i>		
Identifying Number Pairs	<ul style="list-style-type: none"> • Songs: Addition; Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction • Books: Five Delicious Muffins; Fact Families • Make and Count Groups • Add Groups • Subtract Groups • Act Out Addition • Act Out Subtraction 	<ul style="list-style-type: none"> • Decompose Numbers
Measurement		
Building Tally Charts	<ul style="list-style-type: none"> • Books: One More Cat • Tally Marks 	
Identifying Measurable Attributes	<ul style="list-style-type: none"> • Songs: Measuring Plants • Length • Capacity • Order Size • Big and Little • Tall and Short • Heavy and Light 	<ul style="list-style-type: none"> • Measurable Attributes
Ordering By Height	<ul style="list-style-type: none"> • Order Size • Tall and Short 	
Geometry		
Identifying Shapes	<ul style="list-style-type: none"> • Songs: Kites; Shapes, Shapes, Shapes • Books: The Shape of Things; Imagination Shapes • Circle, Square, Triangle, Rectangle • Star, Semicircle, Octagon, Oval, Rhombus • Simple Shapes • Solid Shapes • World Shapes 	<ul style="list-style-type: none"> • Compare Shapes

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
1st Grade		
Counting		
Build to 20 Optimally	<ul style="list-style-type: none"> • Songs: Counting On • Counting Songs • Number Books (See titles at the end of document). • Count On • Number Chart • Number Recognition and Sense 	<ul style="list-style-type: none"> • Count to 120
Build to 50 Optimally	<ul style="list-style-type: none"> • Songs: Counting On • Counting Songs • Number Books (See titles at the end of document). • Count On • Number Chart • Number Recognition and Sense 	<ul style="list-style-type: none"> • Count to 120
Build to 100 Optimally	<ul style="list-style-type: none"> • Songs: Counting On • Counting Songs • Number Books (See titles at the end of document). • Count On • Number Chart • Number Recognition and Sense 	<ul style="list-style-type: none"> • Count to 120

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Comparisons & Ordering		
Identify More & Less Up to 100	<ul style="list-style-type: none"> • Books: For the Birds • Greater Than, Less Than • More Than, Fewer Than • More Than • Fewer Than • Make and Count Groups 	<ul style="list-style-type: none"> • Compare Two-Digit Numbers
Counting Forward & Backward	<ul style="list-style-type: none"> • Songs: Counting Backward; Counting On • Counting Back • Count On 	
Build Columns of a 100s Chart	<ul style="list-style-type: none"> • Number Chart • Number Recognition and Sense 	<ul style="list-style-type: none"> • Number Chart
Moving on a 100s Chart	<ul style="list-style-type: none"> • Number Chart • Number Recognition and Sense 	
Comparison Symbols	<ul style="list-style-type: none"> • Books: For the Birds • Greater Than, Less Than • More Than, Fewer Than • More Than • Fewer Than 	<ul style="list-style-type: none"> • Compare Two-digit Numbers
Patterning with Shapes	<ul style="list-style-type: none"> • Songs: Train Station Patterns • Books: How King Snake Got His Pattern • Patterns • Pattern AB • Pattern ABB • Pattern ABC 	<ul style="list-style-type: none"> • Look for a Pattern
Rounding to the Nearest Ten (Numbers to 100)	<ul style="list-style-type: none"> • Songs: Rounding • Books: The Fable Fair • Round to Tens 	

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Addition & Subtraction		
Doubling & Making 10	<ul style="list-style-type: none"> • Make 10 • Doubles 	<ul style="list-style-type: none"> • Numbers that Make 10
Doubling to 20	<ul style="list-style-type: none"> • Doubles 	
Using 10 as a Landmark	<ul style="list-style-type: none"> • Make 10 Addition Strategy 	
Identifying Number Pairs	<ul style="list-style-type: none"> • Songs, Addition; Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction • Books: Five Delicious Muffins; Fact Families • Make and Count Groups • Add Groups • Subtract Groups • Act Out Addition • Act Out Subtraction 	
Patterning with Numbers	<ul style="list-style-type: none"> • Number Patterns 	
Place Value		
Place Value to 100	<ul style="list-style-type: none"> • Place Value 	<ul style="list-style-type: none"> • Tens as a Bundle of Ones
Measurement		
Building Pictographs	<ul style="list-style-type: none"> • Calendar/Graph Weather • Graphs • Picture Graphs 	<ul style="list-style-type: none"> • Data Categorization
Using Clocks & Telling Time III	<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

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Measurement <i>continued</i>		
Measuring Objects with Various Abstract Tools	<ul style="list-style-type: none"> • Songs: Measuring Plants • Length • Nonstandard Units of Length 	<ul style="list-style-type: none"> • Length Measurement • Order By Length
Geometry		
Partitioning Circles and Rectangles with halves and fourths	<ul style="list-style-type: none"> • Songs: Fractions • Books: Halves and Fourths and Thirds; Half For You and Half For Me • Equal-part Fractions • Label Parts of Fractions 	<ul style="list-style-type: none"> • Equal Shares
2nd Grade		
Comparison & Ordering		
Finding Equal Expressions	<ul style="list-style-type: none"> • Songs: Fact Families • Addition and Subtraction Relationship • Addition and Subtraction Fact Families 	
Assessing Equality	<ul style="list-style-type: none"> • Songs: Greater Than, Less Than • Books: For the Birds • Greater Than, Less Than • More Than, Fewer Than • More Than • Fewer Than • Place Value of 3-digit Numbers 	<ul style="list-style-type: none"> • Less Than, Equal To, or Greater Than
Hundreds Charts to 500	<ul style="list-style-type: none"> • Patterns of 3-digit Numbers 	
Compare Numbers up to 500	<ul style="list-style-type: none"> • Greater Than, Less Than (3-digit Numbers) 	<ul style="list-style-type: none"> • Less Than, Equal To, or Greater Than

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Comparison & Ordering <i>continued</i>		
Compare Numbers up to 1,000	<ul style="list-style-type: none"> • Greater Than, Less Than (3-digit Numbers) 	<ul style="list-style-type: none"> • Less Than, Equal To, or Greater Than
Placing Multiples of -10 on a Number Line to -100	<ul style="list-style-type: none"> • Number Line • Skip Count by 10 	
Addition & Subtraction		
Add & Subtract: Landmark Numbers	<ul style="list-style-type: none"> • Make 10 Addition Strategy • Make 10 Subtraction Strategy 	<ul style="list-style-type: none"> • Add and Subtract Within 100
Addition: Compensation	<ul style="list-style-type: none"> • Make 10 Addition Strategy • Round to Tens 	
Identifying Missing Tens	<ul style="list-style-type: none"> • Skip Count by 10 • Number Chart 	
Subtraction: Constant Difference		
Addition: Doubling	<ul style="list-style-type: none"> • Doubles 	
Adding & Subtracting Groups of Tens	<ul style="list-style-type: none"> • Add 10 • Subtract 10 	<ul style="list-style-type: none"> • Mentally Adding or Subtracting 10 or 100
Finding Groups of Tens	<ul style="list-style-type: none"> • Place Value • Place Value Counting 	<ul style="list-style-type: none"> • Thinking of 100 as a Bundle of Ten 10s
Hundreds Charts to 1000	<ul style="list-style-type: none"> • Number Chart • Patterns of 3-digit Numbers 	<ul style="list-style-type: none"> • Thinking of 100 as a Bundle of Ten 10s

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Addition & Subtraction <i>continued</i>		
Identify Number Pairs up to 200	<ul style="list-style-type: none"> • Songs, Addition; Bee Happy Addition; On the Bayou; Bakery Subtraction; Subtract Those Cars; Circus Subtraction • Books: Five Delicious Muffins; Fact Families • Make and Count Groups • Add Groups • Subtract Groups • Act Out Addition • Act Out Subtraction 	
Making Jumps of 10	<ul style="list-style-type: none"> • Skip Count by 10 	<ul style="list-style-type: none"> • Counting within 1000
Making Jumps of 3 to 9	<ul style="list-style-type: none"> • Books: Jump Rope Rhymes; Navajo Beads • Skip Count 	<ul style="list-style-type: none"> • Counting within 1000
Patterning with Numbers	<ul style="list-style-type: none"> • Number Patterns 	
Place Value		
Place Value to 500	<ul style="list-style-type: none"> • Place Value 	
Place Value to 1000	<ul style="list-style-type: none"> • Place Value 	
Measurement		
Measuring Objects with Various Standard Units	<ul style="list-style-type: none"> • Songs: Measuring Plants • Books: Birds at My House • Length • Standard Units of Length • Measurement Tools • Capacity • Weight 	<ul style="list-style-type: none"> • Measuring the Same Object Two Ways • Measure Length
Building Bar Graphs	<ul style="list-style-type: none"> • Bar Graphs • Graphing 	<ul style="list-style-type: none"> • Graphs • Data Categorization

Dreambox Learning Categories	Waterford Digital Activities	Waterford Resources
Measurement <i>continued</i>		
Using Clocks & Telling Time I	<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 • Sequence Times 	<ul style="list-style-type: none"> • Tell and Write Time
Geometry		
Partitioning Square Units	<ul style="list-style-type: none"> • Equal-part Fractions 	<ul style="list-style-type: none"> • Fractions
Partitioning with halves, thirds, and fourths	<ul style="list-style-type: none"> • Books: Halves and Fourths and Thirds • Equal-part Fractions • Label Parts of Fractions 	
Drawing Shapes		<ul style="list-style-type: none"> • Draw Shapes

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).