

FEBRUARY 2025

CURRICULUM Correlation

Waterford Reading
Academy:
100%

i-Ready
Mathematics
Focus Lesson

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

OVERVIEW



This document provides a detailed correlation of WATERFORD READING ACADEMY to I-READY MATHEMATICS FOCUS LESSONS

CORRELATION DESCRIPTION

This document aligns i-Ready Mathematics Focus Lessons to Waterford.org's digital activities and supporting resources.

Waterford Digital Resources

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 wholeclass 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 <u>Waterford's Adaptive Learning Path in Action</u> 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 https://examples.org/nc/hc/4/

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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I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
KINDERGARTEN		
Algebra and Algebraic Thinking		
Understand Addition	Songs: Bee Happy Addition; A Nice AdditionAdd GroupsAct Out Addition	Represent Addition and Subtraction with Objects
Add Within 5	 Songs: Bee Happy Addition; A Nice Addition Add Groups Act Out Addition Sums to 5 	Represent Addition and Subtraction with Objects
Understand Subtraction	 Songs: Bakery Subtraction; Subtract Those Cars; Circus Subtraction Book: Five Delicious Muffins Subtract Groups Act Out Subtraction 	Represent Addition and Subtraction with Objects
Subtract Within 5	 Songs: Bakery Subtraction; Subtract Those Cars; Circus Subtraction Book: Five Delicious Muffins Subtract Groups Act Out Subtraction 	Represent Addition and Subtraction with Objects
Number Partners	Songs: Number SongsNumber InstructionMake and Count Groups	Decompose Numbers
Add Within 10	 Songs: Bee Happy Addition; A Nice Addition Add Groups Act Out Addition Mental Math Speed Games 	Represent Addition and Subtraction with Objects
Subtract Within 10	 Songs: Bakery Subtraction; Subtract Those Cars; Circus Subtraction Book: Five Delicious Muffins Subtract Groups Act Out Subtraction Mental Math Speed Games 	Represent Addition and Subtraction with Objects





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Algebra and Algebraic Thinking co	ontinued	
Practice: Add and Subtract Within 10	 Songs: Bee Happy Addition; A Nice Addition Add Groups Act Out Addition Mental Math Speed Games 	Represent Addition and Subtraction with Objects
Fluently Add and Subtract Within 5	 Songs: Bee Happy Addition; A Nice Addition; Bakery Subtraction; Subtract Those Cars Book:Five Delicious Muffins Add Groups Act Out Addition Mental Math Speed Games Subtract Groups Act Out Subtraction Minuends 	Represent Addition and Subtraction with Objects
Make 10	• Make 10	Numbers That Make 10
Count up to 20 Objects	Songs: Counting SongNumber CountingNumber InstructionMake and Count Groups	 Object Counting Basics Object Counting Grouping Object Counting Succession
Make Groups of up to 20 Objects	Songs: Counting SongNumber CountingNumber InstructionMake and Count Groups	 Object Counting Basics Object Counting Grouping Object Counting Succession
Numbers and Operations		
Order Numbers to 20	Songs: Number SongsCounting PuzzleCount OnNumber InstructionOrder Numbers	
Count up to 10 Objects in Rows or Arrays	Songs: Counting SongNumber CountingNumber InstructionMake and Count Groups	 Object Counting Basics Object Counting Grouping Object Counting Succession





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Numbers and Operations continue	od .	
Count up to 10 Objects in Different Arrangements	Songs: Counting SongNumber CountingNumber InstructionMake and Count Groups	 Object Counting Basics Object Counting Grouping Object Counting Succession
Make Groups of up to 10 Objects	Make and Count GroupsNumber Instruction	Object Counting BasicsObject Counting GroupingObject Counting Succession
Order Numbers to 10	Songs: Number Songs; Counting SongOrder NumbersNumber Instruction	
Find One More	Count on by 1Number Instruction	
More	Count on by 1Count OnMore Than	Greater, Less, or Equal
Less	Count on by 1Count OnFewer Than	Greater, Less, or Equal
Compare Numbers Within 10	 Songs: More Than, Fewer Than; Greater Than, Less Than Book:For the Birds More Than, Fewer Than Greater Than, Less Than 	Greater, Less, or Equal Compare Two Numbers
GRADE 1		
Algebra and Algebraic Thinking		
"Add To" and "Put Together" Word Problems	Songs: Bee Happy AdditionAct Out AdditionAdd GroupsNumber Line	
Add in Any Order	Songs: Bee Happy AdditionAct Out AdditionAdd Groups	





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Algebra and Algebraic Thinking c	ontinued	
Count On to Add	Songs: Bee Happy AdditionAct Out AdditionAdd GroupsCount On	
"Add To Change Unknown" Word Problems	Missing AddendsAddition and Subtraction RelationshipAddition and Subtraction Fact Families	 Word Problems Using Subtraction Within 20 Strategies to Add and Subtract
Use Addition to Subtract	 Missing Addends Addition and Subtraction Relationship Addition and Subtraction Fact Families Commutative Property of Addition 	 Strategies to Add and Subtract Understand Subtraction as an Unknown Addend Problem
Count On to Subtract	Number LineMinuendsMissing Minuends and Subtrahends	 Strategies to Add and Subtract Understand Subtraction as an Unknown Addend Problem
"Take From" Word Problems	Story Problems	Word Problems Adding 3 Numbers
"Take From Change Unknown" Word Problems	Story Problems	Word Problems Adding 3 Numbers
Practice: "Change Unknown" Word Problems	Story Problems	Word Problems Adding 3 Numbers
"Compare Difference Unknown" Word Problems	 Book: For the Birds Story Problems More Than, Fewer Than More Than Fewer Than Greater Than, Less Than 	Word Problems Adding 3 Numbers
"Compare Bigger Unknown" Word Problems	 Book: For the Birds Story Problems More Than, Fewer Than More Than Fewer Than Greater Than, Less Than 	Word Problems Adding 3 Numbers





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Algebra and Algebraic Thinking co	ntinued	
Practice: Comparison Word Problems	 Book: For the Birds Story Problems More Than, Fewer Than More Than Fewer Than Greater Than, Less Than 	Word Problems Adding 3 Numbers
"Compare Smaller Unknown" Word Problems	 Book: For the Birds Story Problems More Than, Fewer Than More Than Fewer Than Greater Than, Less Than 	
Make a Ten to Add	• Make 10	
Add Three Numbers in Word Problems	Add 3 One-digit NumbersStory Problems	Word Problems Adding 3 Numbers
Make a Ten to Subtract	Make 10	
"Add To Start Unknown" Word Problems	Missing AddendsStory Problems	Word Problems Using Subtraction Within 20
"Take From Start Unknown" Word Problems	Missing Minuends and SubtrahendsStory Problems	Word Problems Using Subtraction Within 20
Fluently Add and Subtract Within 10	Mental MathSpeed GamesAddition SentencesSubtraction Sentences	Add and Subtract within 20
Doubles	• Doubles	
Doubles and Near Doubles	DoublesDoubles Plus 1	
"Put Together/Take Apart Addend Unknown" Problems	Missing AddendsMissing Minuends and Subtrahends	Understand Subtraction as an Unknown Addend Problem





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Numbers and Operations		
Identify Teen Numbers	Counting SongMath BooksNumber InstructionNumber Recognition and Sense	• <u>11-19 Broken Down</u>
Build Teen Numbers	Number InstructionNumber Recognition and Sense	• 11–19 Broken Down
Identify Two-Digit Numbers	Number SongsMath BooksNumber InstructionNumber Recognition and Sense	
Build Two-Digit Numbers	Number InstructionNumber Recognition and SensePlace Value	11-19 Broken DownTen Groupings
Add Multiples of Ten to Multiples of Ten	Add 10 Add Tens	Ten More or Less
Subtract Multiples of Ten from Multiples of Ten	Subtract Tens	Subtracting in 10s Ten More or Less
Add Multiples of Ten to Any Two- Digit Number	Add 10 Add Tens	Ten More or Less
Add Two-Digit and One-Digit Numbers	 Add 1-digit and 2-digit Numbers without Regrouping Add 1-digit and 2-digit Numbers with Regrouping 	Adding within 100
Add Two-Digit Numbers	Add 2-digit Numbers without RegroupingAdd 2-digit Numbers with Regrouping	
Measure Lengths	Song: Measuring PlantsLengthNonstandard Units of LengthStandard Units of Length	Length Measurement





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
GRADE 2		
Algebra and Algebraic Thinking		
"Add To" Word Problems Within 10 Use Mental Math to Add (Make a Ten)	Story Problems Make 10	One- and Two-step Word Problems within 100
	Speed GamesMental Math	
"Add To Start Unknown" Word Problems Within 20	Missing Addends	
Use Mental Math to Add (Near Doubles)	DoublesDoubles Plus 1Mental MathSpeed Games	
Use Mental Math Strategies to Add	Mental Math Speed Games	
"Take From Start Unknown" Word Problems Within 20	Missing Minuends and Subtrahends	
Think Addition to Subtract	Missing AddendsMissing Minuends and Subtrahends	
Think Addition to Subtract (Make a Ten)	Make 10	
"Compare Bigger Unknown" Word Problems Within 20	 Book: For the Birds Story Problems More Than, Fewer Than More Than Fewer Than Greater Than, Less Than 	
"Compare Smaller Unknown" Word Problems Within 20	 Book: For the Birds Story Problems More Than, Fewer Than More Than Fewer Than Greater Than, Less Than 	





I-READY FOCUS LESSONS	WATERFORD DIGITAL RESOURCES	WATERFORD TEACHER RESOURCES
Numbers and Operations		
Add Three-Digit and Two- Digit Numbers		Mentally Adding and Subtracting 10 or 100
Add Three-Digit Numbers	Add 3-digit Numbers without RegroupingAdd 3-digit Numbers with Regrouping	
Subtract Two-Digit from Three- Digit Numbers		Mentally Adding and Subtracting 10 or 100
Subtract Three-Digit Numbers	Subtract 3-digit Numbers without RegroupingSubtract 3-digit Numbers with Regrouping	
Add Within 1,000 on Number Lines	Number Line	
Subtract Within 1,000 on Number Lines	Number LineUse the Number Line	
Add by Breaking Apart Two- Digit Numbers	Add 2-digit Numbers with RegroupingAdd 2-digit Numbers without Regrouping	
Add Within 100 on Number Lines	Number Line	
Subtract Within 100 on Number Lines	Number LineUse the Number Line	
Add to Subtract Within 100 on Number Lines	Number LineUse the Number Line	
Measurement and Data		
Understand Number Lines	Number Line	
Understand Addition Using Number Lines	Number Line	
Understand Subtraction Using Number Lines	Number LineUse the Number Line	

WATERFORD Books and Related Activities



PRE-MATH & SCIENCE

Math Books

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

Math & 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 Backvard: 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 & SCIENCE

Math & Science Books

The Snow Project; Chloe's Cracker Caper; What Sounds Sav: 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: Navaio Beads: Red Rock. River Rock: I Want to Be a Mathematician Like Srinivasa Ramanuian: 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 bere.

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.

WATERFORD Family Engagement Resources



SPANISH FAMILY ENGAGEMENT RESOURCES

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

SONGS

Beginning Math Songs

Odd Todd and Even Steven; Salsa Counting; On the Bayou—Addition; Subtract Those Cars; More Than, Fewer Than; A Nice Addition; Marching Band Counting; Doubles 1–5; Multiply by 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 III; J: Jack and Jill; K: Three Little Kittens; L: Mary Had a Little Lamb; M: Little Miss Muffett; N: I Touch My Nose Like This (Spanish); O: Polly, Put the Kettle On; P: This Little Pig; Q: Quack, Quack, Quack; R: Little Rabbit (Chinese); S: Eensy, Weensy Spider; U: The Bus; V: My Valentine; W: Wee Willie Winkie; X: A-hunting We Will Go; Y: Yankee Doodle

Beginning Reading Songs

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

WEEKLY HOMELINK NEWSLETTERS

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

MATH HOMELINK NEWSLETTERS

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

SCIENCE HOMELINK NEWSLETTERS

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

WATERFORD MENTOR

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

READING HOMELINK NEWSLETTERS

Alphabet Knowledge

Comprehension and Vocabulary

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

Readiness Skills Letters

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

Phonological Awareness Letters

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



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