

Reading Skills Taught | Overview

	Pre-Reading	Basic Reading	Fluent Reading
Phonological Awareness <i>Develops awareness of the sounds of language including syllables, rhyming, and the individual sounds in words</i>	<ul style="list-style-type: none"> Identify rhyming and non-rhyming words Count, blend, and delete syllables Identify the first, middle, and last sound of words Manipulate individual sounds in words 	<ul style="list-style-type: none"> Blend, separate, change, add, delete and isolate sounds in words Identify the beginning, middle, and ending sound of words 	<ul style="list-style-type: none"> Substitute, delete, and add sounds in words
Phonics <i>Systematically presents letter-sound relationships and decoding skills.</i>	<ul style="list-style-type: none"> Spell name Identify capital and lowercase letters and their sounds Decode and build simple three letter words 	<ul style="list-style-type: none"> Practice identifying letter sounds Learn to blend letter sounds to read words using patterns to read books Decode and build words 	<ul style="list-style-type: none"> Learn word patterns such as <i>car</i>, <i>bird</i>, <i>read</i>, <i>cow</i>, and <i>you</i> Read books that focus on word patterns and Power Words Decode and build longer words
Fluency <i>Read accurately and automatically</i>	<ul style="list-style-type: none"> Reading is modeled in narrative texts 	<ul style="list-style-type: none"> Reading rate and expression 	<ul style="list-style-type: none"> Reading accuracy, rate, and expression
Comprehension & Vocabulary <i>Develops vocabulary and critical thinking skills through rich reading experiences.</i>	<ul style="list-style-type: none"> Learn comprehension strategies with Read with Me and Read-Along books Vocabulary instruction with specific words and word categories 	<ul style="list-style-type: none"> Learn and use comprehension strategies with Traditional Tales and informational books Vocabulary instruction with specific words and their meaning 	<ul style="list-style-type: none"> Learn and use comprehension strategies with Read-Along books and informational books Vocabulary instruction with specific words and their meaning
Language Concepts <i>Builds knowledge of written language from print concepts to basic grammar and the writing process</i>	<ul style="list-style-type: none"> Understand how print works Develop understanding of words including nouns and verbs Learn how to write through drawing, dictating, and writing sentences 	<ul style="list-style-type: none"> Learn basic grammar concepts such as sentences, capitalization, and punctuation and words such as nouns, pronouns, past tense verbs, synonyms, and adjectives Introduce the writing process 	<ul style="list-style-type: none"> Develop understanding of words such as irregular plurals, adverbs, irregular verbs, non-action verbs, prefixes, suffixes, antonyms, homophones Begin to use all steps in the writing process
Communication <i>Teaches listening, speaking, and writing skills.</i>	<ul style="list-style-type: none"> Communication skills, such as listening, are naturally practiced in many of the digital activities. Specific communication skills are intentionally incorporated into many of the resources found in Waterford Reading Academy. 		

Math Skills Taught | Overview

	Pre-Math	Basic Math	Fluent Math
Number and Cardinality <i>Teaches number recognition, place value, counting, and arithmetic computation.</i>	<ul style="list-style-type: none"> ▶ Recognize, order, and write numbers 0 through 20 ▶ Order, count, and sequence numbers to 100 by ones and tens ▶ Use strategies to compare group size (more than, less than, or equal to) 	<ul style="list-style-type: none"> ▶ Read, write, and count numbers up to 100 ▶ Learn place value of 2-digit numbers, including 2-digit number comparison ▶ Explore patterns and sequences of numbers 	<ul style="list-style-type: none"> ▶ Understand odd and even numbers ▶ Understand place value of 3-digit numbers, including comparison of two 3-digit numbers ▶ Use skip counting ▶ Introduce rounding to tens
Operations and Algebraic Thinking <i>Teaches arithmetic computation.</i>	<ul style="list-style-type: none"> ▶ Use objects, drawing, etc., to represent addition and subtraction ▶ Add and subtract within 10, including solving word problems ▶ Know addition and subtraction facts within 5 ▶ Introduce place value of 2-digit numbers 	<ul style="list-style-type: none"> ▶ Understand the relationship between addition and subtraction ▶ Solve addition and subtraction problems within 20 ▶ Know addition and subtraction facts within 10 	<ul style="list-style-type: none"> ▶ Fluently add 2-digit numbers ▶ Add and subtract without regrouping ▶ Add and subtract with regrouping ▶ Explain addition and subtraction strategies ▶ Use repeated addition to introduce multiplication ▶ Understand beginning division
Measurement and Data <i>Develops a foundational understanding of measurement, time, and money. Prepares students to analyze data.</i>	<ul style="list-style-type: none"> ▶ Compare, classify, and describe objects ▶ Use digital and analog clocks to tell time to the hour ▶ Identify coins and their value 	<ul style="list-style-type: none"> ▶ Use digital and analog clocks to tell time to the half-hour ▶ Use objects to measure length ▶ Represent data using tally marks, graphs, and diagrams ▶ Identify coin value and amounts of money 	<ul style="list-style-type: none"> ▶ Measure and estimate length using measurement tools ▶ Use digital and analog clocks to tell time to the minute ▶ Solve word problems ▶ Represent data using graphs
Geometry <i>Teaches properties of shapes, positioning, and the identification of parts of regions or groups.</i>	<ul style="list-style-type: none"> ▶ Identify basic shapes ▶ Learn about position words such as, above, below, next to ▶ Understand similarities and differences shapes 	<ul style="list-style-type: none"> ▶ Divide shapes ▶ Learn to use positioning terms such as, beside, in front, under 	<ul style="list-style-type: none"> ▶ Divide shapes into equal parts (up to 1/12) ▶ Find the perimeter

Science Skills Taught | Overview

	Pre-Science	Basic Science	Fluent Science
Science as Inquiry <i>Provides context and hands-on experiences using the scientific method.</i>	<ul style="list-style-type: none"> ▶ Scientist biographies ▶ Science investigation ▶ Observe a simple system over time 	<ul style="list-style-type: none"> ▶ Scientist biographies ▶ Science tools ▶ Science experiments 	<ul style="list-style-type: none"> ▶ Scientist biographies ▶ Science experiments
Physical Science <i>Develops understanding of matter and materials, force, and energy.</i>	<ul style="list-style-type: none"> ▶ Materials, solids, and liquids ▶ Push/Pull ▶ Magnets 	<ul style="list-style-type: none"> ▶ Solid, liquid, gas ▶ States of water ▶ Properties of gravity 	<ul style="list-style-type: none"> ▶ Changes in matter ▶ Simple machines ▶ Sources and properties of light ▶ Electricity ▶ Heat sources, uses, and movement ▶ Sound waves, pitch, and volume
Life Science <i>Develops understanding of living things: plants, animals, and ecosystems.</i>	<ul style="list-style-type: none"> ▶ Living and nonliving ▶ Plants and animals ▶ Five senses ▶ Ecosystems: desert, ocean, mountain, and rainforest 	<ul style="list-style-type: none"> ▶ Food chains ▶ Respiration ▶ Function and use of plants ▶ Classify animals by structure and what they eat ▶ Additional ecosystems 	<ul style="list-style-type: none"> ▶ Traits of living things ▶ Plant lifecycle and growth ▶ Animal lifecycle and growth ▶ Social insects
Earth and Space Science <i>Develops understanding of astronomy, meteorology, seasons, air, hydrology, and geology.</i>	<ul style="list-style-type: none"> ▶ Sun, moon, constellations ▶ Seasons ▶ Water and clouds 	<ul style="list-style-type: none"> ▶ Earth ▶ Weather, weather tools, and patterns ▶ Properties of air ▶ Properties and sources of water ▶ Rocks 	<ul style="list-style-type: none"> ▶ Sun, moon, earth ▶ Moon patterns ▶ Water cycle ▶ Fossils ▶ Dinosaurs ▶ Rock cycle ▶ Soil
Personal and Social Perspectives <i>Develops understanding of environment, conservation, health, safety, observation, and inventions.</i>	<ul style="list-style-type: none"> ▶ Pollution and recycling ▶ Conservation ▶ Environments: Deserts, Mountains, Oceans, Rainforests 	<ul style="list-style-type: none"> ▶ Uses of water ▶ Weather affects people and animals ▶ Care of earth, air, and water ▶ Lightning safety ▶ Health: germs, exercise, rest, teeth, and food 	<ul style="list-style-type: none"> ▶ Natural resources ▶ Inventions