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Reading Skills Taught | **Overview**

	Pre-Reading*	**Basic Reading***	**Fluent Reading***
Phonics Systematically builds from no reading to confident reading at 90 words per minute.	▶ Spell child's name ▶ Recognize A through Z ▶ Recognize a through z ▶ Learn all letter sounds and 20 sight words to read 10 leveled readers	▶ Learn common spelling pattern(s) for all 44 sounds in English ▶ Learn 130 sight words ▶ Read 63 leveled readers ▶ Begin reading with fluency	▶ Learn more complex spelling patterns ▶ Learn 55 sight words ▶ Read 30 leveled readers ▶ Practice automatic word recognition ▶ Build reading speed to 90 words per minute
Comprehension & Vocabulary Develops vocabulary and critical thinking skills through rich reading experiences.	▶ Read along and understand 26 nursery rhymes ▶ Read along and understand 26 alliterative books ▶ Read along and understand 22 Read-along books ▶ Learn 308 target vocabulary words	▶ Read along and understand 16 Traditional Tales ▶ Learn 78 target vocabulary words ▶ Learn common word structure as clues to the meaning of words	▶ Read along and understand 54 Read-along books ▶ Learn 262 target vocabulary words
Language Concepts Introduces concepts of written language (from letters and pictures to basic grammar and the writing process).	▶ Understand print (left-to-right, letters, pictures, words, text) ▶ Develop understanding of parts of speech and sentence structure ▶ Learn about the writing process through drawing, dictating, and writing	▶ Learn basic grammar concepts, such as sentences, capitalization, and punctuation ▶ Learn about the writing process through different types of text	▶ Learn parts of speech (such as nouns, verbs, and adjectives) and parts of words (such as prefixes and suffixes) ▶ Learn about the writing process (such as prewriting, drafting, revising, and editing)
Phonological Awareness Develops awareness of individual sounds in words, such as /k/ /a/ /t/ in cat.	▶ Break words into individual sounds (cat to /k/ /a/ /t/) ▶ Blend individual sounds into words (/k/ /a/ /t/ to cat) ▶ Change a sound in a word to make a new word (cat to bat)		

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Math Skills Taught | **Overview**

	Pre-Math & Science*	Basic Math & Science*	Fluent Math & Science*
Numbers and Operations Teaches number recognition, place value, counting, and arithmetic computation.	▶ 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)	▶ Read, write, and count numbers up to 100 ▶ Learn place value of 2-digit numbers, including 2-digit number comparison	▶ Understand odd and even numbers ▶ Understand place value of 3-digit numbers, including comparison of two 3-digit numbers ▶ Use advanced skip counting
Operations and Algebraic Thinking Teaches arithmetic computation.	▶ Use objects, drawing, etc., to represent addition and subtraction ▶ Add and subtract within 10, including solving word problems ▶ Fluently add and subtract within 5	▶ Solve word problems up to 20 ▶ Apply commutative and associative properties of addition ▶ Understand the relations between addition and subtraction ▶ Solve addition and subtraction problems within 20 ▶ Fluently add and subtract within 10 ▶ Add 2-digit and 1-digit numbers with and without regrouping ▶ Add three 1-digit numbers ▶ Subtract 2-digit numbers with and without regrouping	▶ Solve word problems within 100 ▶ Fluently add 2-digit numbers ▶ Use repeated addition as a strategy to introduce multiplication ▶ Add three 2-digit numbers with regrouping ▶ Subtract 3-digit numbers with regrouping ▶ Fluently add and subtract 3-digit numbers without regrouping ▶ Explain addition and subtraction strategies ▶ Understand beginning division
Measurement and Data Develops a foundational understanding of measurement, time, and money. Prepares students to analyze data.	▶ Compare, classify, and describe measurable attributes of objects ▶ Use digital and analog clocks to tell time to the hour ▶ Identify coins and their value	▶ Use digital and analog clocks to tell time to the half-hour ▶ Use nonstandard units to measure length ▶ Represent data through tally marks, graphs, and Venn diagrams ▶ Identify equivalent sums of money and coin value	▶ Measure and estimate using standard units of length ▶ Use number lines to represent whole numbers ▶ Use digital and analog clocks to tell time to the minute ▶ Solve word problems using money ▶ Represent data through picture graphs and bar graphs
Geometry Teaches properties of shapes, positioning, and the identification of parts of regions or groups.	▶ Identify basic shapes regardless of their orientation and environment ▶ Learn about positioning ▶ Understand similarities and differences in 2- and 3-dimensional shapes	▶ Partition shapes into 1/2, 1/3, and 1/4 ▶ Identify line of symmetry	▶ Partition shapes into equal parts (up to 1/12) ▶ Find the perimeter

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Science Skills Taught | **Overview**

	Pre-Math & Science*	Basic Math & Science*	Fluent Math & Science*
Science as Inquiry Provides context and hands-on experiences using the scientific method.	▸ Scientist biographies ▸ Science investigation ▸ Observe a simple system over time	▸ Scientist biographies ▸ Science tools ▸ Science experiments	▸ Scientist biographies ▸ Science experiments
Physical Science Develops understanding of matter and materials, force, and energy.	▸ Materials, solids, and liquids ▸ Push/Pull ▸ Magnets	▸ Solid, liquid, gas ▸ States of water ▸ Properties of gravity	▸ Changes in matter ▸ Simple machines ▸ Sources and properties of light ▸ Electricity ▸ Heat sources, uses, and movement ▸ Sound waves, pitch, and volume
Life Science Develops understanding of living things: plants, animals, and ecosystems.	▸ Living and nonliving ▸ Plants and animals ▸ Five senses ▸ Ecosystems: desert, ocean, mountain, and rainforest	▸ Food chains ▸ Respiration ▸ Function and use of plants ▸ Classify animals by structure and what they eat ▸ Additional ecosystems	▸ Traits of living things ▸ Plant lifecycle and growth ▸ Animal lifecycle and growth ▸ Social insects
Earth and Space Science Develops understanding of astronomy, meteorology, seasons, air, hydrology, and geology.	▸ Sun, moon, constellations ▸ Seasons ▸ Water and clouds	▸ Earth ▸ Weather, weather tools, and patterns ▸ Properties of air ▸ Properties and sources of water ▸ Rocks	▸ Sun, moon, earth ▸ Moon patterns ▸ Water cycle ▸ Fossils ▸ Dinosaurs ▸ Rock cycle ▸ Soil
Personal and Social Perspectives Develops understanding of environment, conservation, health, safety, observation, and inventions.	▸ Pollution and recycling ▸ Conservation ▸ Environments: Deserts, Mountains, Oceans, Rainforests	▸ Uses of water ▸ Weather affects people and animals ▸ Care of earth, air, and water ▸ Lightning safety ▸ Health: germs, exercise, rest, teeth, and food	▸ Natural resources ▸ Inventions