

CMS Kindergarten Benchmarks

August 2008 Revision

English Language Arts	Math
<p>Identifies uppercase and lowercase letters.</p> <p>Distinguishes between letters and words.</p> <p>Identifies and produces rhyming words orally.</p> <p>Identifies and produces consonant and short vowel sounds.</p> <p>Decodes c-v-c words (e.g., word families, within a decodable text).</p> <p>Identifies grade-level sight words.</p> <p>Reads words and sentences with increasing fluency.</p> <p>Reads from top to bottom/left to right and uses word-to-word correspondence.</p> <p>Monitors comprehension by retelling the sequence of a story with guidance.</p> <p>Activates and connects background knowledge to new information during a read aloud with teacher prompts (test-to-self or other experiences).</p> <p>Uses details of a story to make predictions.</p> <p>Determines important information by analyzing story elements (i.e., characters, setting, and plot) with guidance.</p> <p>Participates in group discussions about books.</p> <p>Speaks in English to convey intention.</p> <p>Speaks in English using grade level and subject appropriate vocabulary.</p> <p>Speaks in English audibly and clearly with enunciation.</p> <p>Expresses in English likes and dislikes/agreement and disagreement with reasoning.</p> <p>Takes turns when speaking in a group.</p> <p>Shares information orally in English by speaking clearly with appropriate volume.</p> <p>Has pictures that are supported by words.</p> <p>Begins to group like words and pictures.</p> <p>Writes from left-to-right: using capitalization at the beginning and periods at the end of sentences; spelling sight words correctly; and matching letters to sounds.</p> <p>Treats the topic in a predictable way with a hint of voice.</p> <p>Attempts simple sentences.</p> <p>Attempts to use recognizable words and phrases.</p>	<p>Counts on by 1s to 100; count on by 2s, 5s, and 10s and counts back by 1s with number grids, number lines, and calculators.</p> <p>Counts 20 or more objects; estimates the number of objects in a collection.</p> <p>Models numbers with manipulatives; uses manipulatives to exchange 1s for 10s and 10s for 100s; recognizes that digits can be used and combined to read and write numbers; reads numbers up to 30.</p> <p>Uses manipulatives to model half of a region or a collection; describes the model.</p> <p>Uses manipulatives, drawings, and numerical expressions involving addition and subtraction of 1-digit numbers to give equivalent names for whole numbers up to 20.</p> <p>Compares and orders whole numbers up to 20.</p> <p>Uses manipulatives, number lines, and mental arithmetic to solve problems involving the addition and subtraction of single-digit whole numbers.</p> <p>Identifies join and take-away situations.</p> <p>Collects and organizes data to create class-constructed tally charts, tables, and bar graphs.</p> <p>Uses graphs to answer simple questions.</p> <p>Describes events using certain, possible, impossible, and other basic probability terms.</p> <p>Uses nonstandard tools and techniques to estimate and compare weight and length; identifies standard measuring tools.</p> <p>Identifies pennies, nickels, dimes, quarters, and dollar bills.</p> <p>Describes temperature using appropriate vocabulary, such as hot, warm, and cold; identify a thermometer as a tool for measuring temperature.</p> <p>Describes and uses measures of time periods relative to a day and week; identify tools that measure time.</p> <p>Identifies and describe plane and solid figures including circles, triangles, squares, rectangles, spheres, and cubes.</p> <p>Identifies shapes having line symmetry.</p> <p>Extends, describes, and creates visual, rhythmic, and movement patterns; uses rules, which will lead to functions, to sort, make patterns, and play "What's My Rule?" and other games.</p> <p>Reads and writes expressions and number sentences using the symbols +, -, and =.</p> <p>Recognizes the mathematical problem through number stories and manipulatives.</p> <p>Explains how to solve the problem.</p>

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Science	Social Studies
<p>Knows that short-term weather conditions (e.g., temperature, rain, snow) can change daily, and weather patterns change over the seasons.</p> <p>Knows that water can be a liquid or a solid and can be made to change from one form to the other.</p> <p>Knows that the amount of liquid stays the same regardless of the size and/or shape of the container.</p> <p>Knows vocabulary (e.g., clouds, Sun, moon, planets) used to describe major features of the sky.</p> <p>Knows that plants and animals closely resemble their parents.</p> <p>Knows that similarities and differences exist among individuals of the same kind of plant or animal (e.g., skin color, covering).</p> <p>Knows that living things and nonliving objects are different.</p> <p>Knows that plants and animals need certain resources for growth (e.g., food, water, light, air).</p> <p>Knows that living things go through a process of growth and change.</p> <p>Knows that some kinds of organisms that once lived on Earth have completely disappeared (e.g., dinosaurs and mammoths).</p> <p>Describes objects based on some observable properties (e.g., color, shape, size).</p> <p>Explains the relationship between the Sun, moon, and the Earth.</p> <p>Explains answers to grade-level scientific questions using pictures and words.</p> <p>Uses the senses to make careful observations about the environment, living things, nonliving objects, and events.</p> <p>Communicates observations about the task at hand.</p> <p>Develops predictions based on readings and prior knowledge.</p> <p>Understands simple cause-and-effect relationships based on own experience.</p>	<p>Understands that maps can represent his or her surroundings.</p> <p>Understands the globe as a representation of the earth.</p> <p>Knows common features (e.g., street signs, roads, and buildings) found in the local environment.</p> <p>Knows natural features of the environment (e.g., hills, mountains, oceans, rivers).</p> <p>Knows the basic components of culture (e.g., language, beliefs, and customs).</p> <p>Knows ways that people solve common problems by cooperating.</p> <p>Knows similarities and differences among people (e.g., culture, language, gender, abilities).</p> <p>Knows a family history through one or more generations (e.g., various family members and their connections).</p> <p>Knows how different groups of people in the community have taken responsibility for the common good (e.g., the police department and the fire department).</p> <p>Knows different holidays and celebrations (e.g., Christmas, Thanksgiving, Easter, and Independence Days).</p> <p>Understands different methods of travel and transportation.</p> <p>Understands that people are alike in many ways and different in many ways.</p> <p>Understands that different families and classrooms have different rules and patterns of behavior, but there are some behaviors that are not accepted in most families or schools.</p> <p>Understands that people often choose to do the same kinds of things that their friends do (e.g., dress, talk, act), but that people also often choose to do certain things their own ways.</p> <p>Knows unique features of different groups to which she or he belongs (e.g., family, team, class).</p> <p>Understands that different strategies can be used to solve problems.</p> <p>Understands rules at school and the community.</p> <p>Understands different examples of authority (e.g., teacher, principal, police officer, etc.).</p> <p>Knows that people in the community have different jobs and responsibilities (e.g., firefighters, doctors, bus drivers).</p> <p>Understands basic concepts of buying and selling.</p>