4th Grade Standard

Students will classify vertebrates into major subgroups: mammal, birds, fish, amphibian, reptile.

Children will learn the characteristics of a mammal.

Children will use words to describe objects, materials and organisms.

4th Grade Standard

Students will illustrate the interdependence of organisms in an ecosystem.

Children will name three members of the living environment: people, animals, plants.

Children will begin to recognize that plants and animals need water and food.
3rd Grade Standard

Students will demonstrate physical changes in matter.

Children will understand the three primary states of matter:
   solid, liquid, gas.

Children will increase their understanding of change
in materials and cause-effect relationships
(adapted from curriculum article).

3rd Grade Standard

Students will identify the three categories of rocks:
   metamorphic, igneous, and sedimentary.

Children will learn the types of rocks found in Arkansas.

Children will use words to describe the characteristics of objects.
3rd Grade Standard

Students will determine the value of money up to $10.00.

Children will learn that there are one hundred pennies in a dollar.

Children will show a beginning understanding of number and quantity.

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3rd Grade Standard

Students demonstrate how the planets orbit the sun.

Children will learn the names of the first four planets closest to the sun.

Children will use vocabulary to describe major features of the earth and sky (for example: cloud, sun, grass, river).
**3rd Grade Standard**

Students will represent fractions (halves, thirds, fourths, sixths and eighths) using words, numerals and physical models.

Children will be able to describe the concept of “one half.”

Children will begin to understand that groups can be divided into equal and unequal parts.

**4th Grade Standard**

Students will describe the processes of the water cycle: precipitation, evaporation, condensation.

Children will learn and understand the concept of evaporation.

Children will begin to recognize that some events in nature have a repeating pattern.
**2nd Grade Standard**

Students will demonstrate multiple strategies for adding and subtracting two-digit whole numbers.

Children will learn to add numbers less than 5 (for example, 1+1, 2+2).

Children will demonstrate an understanding of addition and subtraction, using manipulatives.

**4th Grade Standard**

Students will locate natural divisions of Arkansas: Ozark Plateau, Ouachita Mountains, Crowley’s Ridge, Mississippi Alluvial Plains, Coastal Plain, Arkansas River Valley.

Children will learn the natural division of Arkansas in which they live.

Children will describe the location of things in the environment.
4th Grade Standard

Students will identify, describe, and classify three-dimensional solids by properties, including the number of vertices, edges, and shapes of faces.

Children will learn to identify a sphere and a cube.

Children will explore the attributes of two- and three-dimensional shapes and geometric solids.

3rd Grade Standard

Students will distinguish among the following components of soil: clay, sand, silt, humus.

Children will learn the difference between clay and sand.

Children will use their senses to gather information about objects and materials in the environment.
4th Grade Standard

Students will create new figures by combining and subdividing models of existing figures in multiple ways and record results in a table.

Children will demonstrate the ability to create a square from two rectangles.

Children will progress in their ability to take apart and combine shapes.

3rd Grade Standard

Students will identify the three categories of rocks: metamorphic, igneous, and sedimentary.

Children will learn the types of rocks found in Arkansas.

Children will use words to describe the characteristics of objects.