

VIRGINIA Science Standards of Learning**Kindergarten****Matter**

K.4 The student will investigate and understand that the physical properties of an object can be described. Key concepts include

- a) colors (red, orange, yellow, green, blue, purple), white, and black
- b) shapes (circle, triangle, etc.) and forms (flexible/stiff, straight/curved)

Life Processes

K.6 The student will investigate and understand basic needs and life processes of plants and animals. Key concepts include

- a) living things change as they grow, and they need food, water, and air to survive

Earth Patterns, Cycles, and Change

K.8 The student will investigate and understand simple patterns in his/her daily life.

Key concepts include

- b) the shapes and forms of many common natural objects

Sample Scope and Sequence**Describing Our World**

- Students should be able to identify and name eight basic colors.

Investigating Patterns

- Students should be able to identify simple patterns in natural objects—e.g., spiral pattern in a web

Grade One**Life Processes**

1.5 The student will investigate and understand that animals, including people, have life needs and specific physical characteristics and can be classified according to certain characteristics. Key concepts include

- a) life needs (air, food, water, and a suitable place to live);
- b) physical characteristics (body coverings, body shape, appendages, and methods of movement);
- c) other characteristics (wild/tame, water homes/land homes)