Kindergarten

K.5 The students will investigate and understand that senses allow humans to seek, find, take in, and react or respond to different information. Key ideas include
- a) the five basic senses correspond to specific human body structures; and
- b) senses are used in our daily lives.

K.6 The student will investigate and understand that there are differences between living organisms and nonliving objects. Key ideas include
- a) all things can be classified as living or nonliving; and
- b) living organisms have certain characteristics that distinguish them from nonliving objects.

K.7 The student will investigate and understand that plants and animals have basic needs and life processes. Key ideas include
- a) living things need adequate food, water, shelter, air, and space to survive;
- b) plants and animals have life cycles; and
- c) offspring of plants and animals are similar but not identical to their parents or to one another.

Grade 1

1.4 The student will investigate and understand that plants have basic life needs and functional parts that allow them to survive. Key ideas include
- a) plants need nutrients, air, water, light, and a place to grow;
- b) structures of plants perform specific functions; and
- c) plants can be classified based on a variety of characteristics.

1.5 The student will investigate and understand that animals, including humans, have basic life needs that allow them to survive. Key ideas include
- a) animals need air, food, water, shelter, and space (habitat);
- b) animals have different physical characteristics that perform specific functions; and
- c) animals can be classified based on a variety of characteristics.

Grade 2

2.4 The student will investigate and understand that plants and animals undergo a series of orderly changes as they grow and develop. Key ideas include
- a) animals have life cycles; and
- b) plants have life cycles.

2.5 The student will investigate and understand that living things are part of a system. Key ideas include
- a) plants and animals are interdependent with their living and nonliving surroundings;
- b) an animal's habitat provides all of its basic needs; and
- c) habitats change over time due to many influences.

Grade 3

3.4 The student will investigate and understand that adaptations allow organisms to satisfy life needs and respond to the environment. Key ideas include
- a) populations may adapt over time;
- b) adaptations may be behavioral or physical; and
- c) fossils provide evidence about the types of organisms that lived long ago as well as the nature of their environments.

3.5 The student will investigate and understand that aquatic and terrestrial ecosystems support a diversity of organisms. Key ideas include
- a) ecosystems are made of living and nonliving components of the environment; and
- b) relationships exist among organisms in an ecosystem.

Grade 4

4.2 The student will investigate and understand that plants and animals have structures that distinguish them from one another and play vital roles in their ability to survive. Key ideas include
- a) the survival of plants and animals depends on photosynthesis;
- b) plants and animals have different structures and processes for obtaining energy; and
- c) plants and animals have different structures and processes for creating offspring.

4.3 The student will investigate and understand that organisms, including humans, interact with one another and with the nonliving components in the ecosystem. Key ideas include
- a) interrelationships exist in populations, communities, and ecosystems;
- b) food webs show the flow of energy within an ecosystem;
- c) changes in an organism's niche and habitat may occur at various stages in its life cycle; and
- d) classification can be used to identify organisms.