SCIENCE

NORTH CAROLINA STANDARD COURSE OF STUDY

FORCES AND MOTION

K.P.1 Understand the positions and motions of objects and organisms observed in the environment.

K.P.1.1 Compare the relative position of various objects observed in the classroom and outside using position words such as: in front of, behind, between, on top of, under, above, below and beside.

K.P.1.2 Give examples of different ways objects and organisms move (to include falling to the ground when dropped):

- Straight
- Zigzag
- Round and round
- Back and forth
- Fast and slow

MATTER: PROPERTIES AND CHANGE

K.P.2 Understand how objects are described based on their physical properties and how they are used.

K.P.2.1 Classify objects by observable physical properties (including size, color, shape, texture, weight and flexibility).

K.P.2.2 Compare the observable physical properties of different kinds of materials (clay, wood, cloth, paper, etc) from which objects are made and how they are used.

EARTH SYSTEMS, STRUCTURES AND PROCESSES

K.E.1 Understand change and observable patterns of weather that occur from day to day and throughout the year.

K.E.1.1 Infer that change is something that happens to many things in the environment based on observations made using one or more of their senses.

K.E.1.2 Summarize daily weather conditions noting changes that occur from day to day and throughout the year.

K.E.1.3 Compare weather patterns that occur from season to season.

STRUCTURES AND FUNCTIONS OF LIVING ORGANISMS

K.L.1 Compare characteristics of animals that make them alike and different from other animals and nonliving things.

K.L.1.1 Compare different types of the same animal (i.e. different types of dogs, different types of cats, etc.) to determine individual differences within a particular type of animal.

K.L.1.2 Compare characteristics of living and nonliving things in terms of their:

- Structure
- Growth
- Changes
- Movement
- Basic needs

SCIENCE
EXTENDED CONTENT STANDARDS

FORCES AND MOTION

EX.K.P.1 Identify positions and motions of familiar objects in the environment.

EX.K.P.1.1 Locate familiar objects in the environment.

EX.K.P.1.2 Indicate the movement of objects in the environment to demonstrate motion (to include falling to the ground when dropped).

- Straight
- Back and forth
- Fast and slow

EX.K.P.1.3 Use positional and directional words (e.g., in, on, out, under, off, beside, behind) to locate objects.

MATTER: PROPERTIES AND CHANGE

EX.K.P.2 Identify objects by their physical properties.

EX.K.P.2.1 Identify objects by their physical properties as "same" or "different."

EX.K.P.2.2 Sort objects by observable physical properties (including size, color, shape and texture).

EARTH SYSTEMS, STRUCTURES AND PROCESSES

EX.K.E.1 Explore changes when manipulating objects.

EX.K.E.1.1 Use objects to make things happen (cause/effect).

EX.K.E.1.2 Compare characteristics of objects through observation and action.

EX.K.E.1.3 Combine objects to create different effects.

STRUCTURES AND FUNCTIONS OF LIVING ORGANISMS

EX.K.L.1 Understand basic categories such as plants, animals, people, and objects.

EX.K.L.1.1 Identify animate (moving) and inanimate objects.

EX.K.L.1.2 Identify plant vs animal.

EX.K.L.1.3 Categorize things as plant, animal, person, or object.

ECOSYSTEMS

EX.K.L.2 Use observation skills to attend to the environment.

EX.K.L.2.1 Use one or more of the senses to shift attention between a person and objects or events.

EX.K.L.2.2 Describe shared objects and events using attributes (big/small, circle/square, red, green, blue), and location (in, on, out, under, off, beside, behind).