North Carolina Science

Kindergarten

Matter and its Interactions

1 **Understand how objects are described based on their physical properties and how they are used.** PS.K.1

- 1 Analyze and interpret data to classify objects by physical properties (size, color, shape, texture, weight and flexibility). PS.K.1.1
- 2 Engage in argument from evidence to summarize how different materials (clay, wood, cloth, paper, etc.) are used based on their physical properties. PS.K.1.2

Motion and Stability- Forces and Interactions

2 **Understand the positions and motions of objects and organisms observed in the environment.** PS.K.2

- 1 Use models to 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, beside. PS.K.2.1
- 2 Carry out investigations to illustrate 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. PS.K.2.2

From Molecules to Organisms- Structures and Processes

1 **Understand the characteristics of living organisms and nonliving things.** LS.K.1

- 1 Engage in argument from evidence to summarize the characteristics of living organisms and nonliving things in terms of their: structure, growth, changes, movement, basic needs. LS.K.1.1
- 2 Use models to exemplify how animals use their body parts to obtain food and other resources, protect themselves, and move from place to place. LS.K.1.2

Heredity- Inheritance and Variation of Traits

2 **Understand characteristics of organisms that make them alike and different.** LS.K.2

- 1 Analyze and interpret data to compare the characteristics of different types of the same animal to determine individual similarities and differences. LS.K.2.1
- 2 Analyze and interpret data to compare the characteristics of different types of the same plant to determine individual similarities and differences. LS.K.2.2

Earth's Systems

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

- Analyze and interpret data to compare changes in the environment due to weather. ESS.K.1.1

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2 Use mathematics and computational thinking to summarize daily weather conditions noting changes that occur from day to day and throughout the year. ESS.K.1.2

3 Obtain, evaluate and communicate information to compare weather patterns that occur from season to season. ESS.K.1.3