
Coal City Unit District #1
Kindergarten
Science Curriculum

SC.K:1 Students will demonstrate knowledge of what living things needs to survive in their environment. (NGSS: K-LS1, NGSS: K-ESS2, NGSS: K-ESS3)

SC.K:1-1 Identify the basic needs of plants and animals for survival.
(NGSS:K-LS1-1)

SC.K:1-2 Indicate how plants and animals adapt to living in different environments. (e.g. tree breaking concrete, camouflage) (NGSS: K-ESS2-2)

SC.K:1-3 Classify animals and plants according to their needs and habitat.
(NGSS: K-ESS3-1)

SC.K:2 Students will demonstrate understanding of how people negatively or positively impact the Earth. (NGSS: ESS 3-3)

SC.K:2-1 Generate ways humans can reduce the impact on the environment.

SC.K:2-2 Participate in conserving resources and recycling. (NGSS: K-ESS 3-3)

SC.K:3 Students will explain the effects of force on various objects. (NGSS: K-PS2-1, K-PS2-2)

SC.K:3-1 Identify pictures representing pushing or pulling.

SC.K:3-2 Identify how outside variables can affect the speed or path of an object. (NGSS: K-PS2-1, K-PS2-2)

SC.K:3-3 Describe the effects of force on an object. (NGSS: K-PS2-1, K-PS2-2)

SC.K:4 Students will demonstrate an understanding of different types of weather and their patterns. (NGSS: ESS 3-2, NGSS: ESS 2-1)

SC.K:4-1 Describe various aspects of daily weather. (NGSS: K- ESS2-1)

SC.K:4-2 Explain how to prepare for severe weather. (NGSS: ESS3-2)

SC.K:5 **Students will demonstrate understanding of how the sun affects the Earth. (NGSS: K-PS3-1, NGSS: K-PS3-2, NGSS: K-2-ETS1-1, NGSS: K-2-ETS1-2, NGSS: K-2-ETS1-3)**

- SC.K:5-1 Observe the effects of sunlight on different surfaces. (NGSS: K-PS3-1)
- SC.K:5-2 Construct an object to create shade and reduce the warming effect of the sun. (NGSS: K-PS3-2)
- SC.K:5-3 Develop questions on scientific topics by asking questions, gathering information, and making observations. (NGSS: K-2-ETS1-1)
- SC.K:5-4 Predict experimental outcomes by sketching, drawing, or physical models. (NGSS: K-2-ETS1-2)

SC.K:6 **Students will develop a simple sketch, drawing, or physical model to engineer a design. (NGSS K-2-ETS1-1, NGSS: K-ETS1-2, NGSS: K-ETS1-3)**

- SC.K:6-1 Define a simple problem that can be solved and create design to solve.
- SC.K:6-2 Develop a simple model.
- SC.K:6-3 Analyze and ask questions from the data observed.