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**Coal City Unit District #1**  
**First Grade**  
**Science Curriculum**

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**SC.1:1 Students will demonstrate an understanding the relationship between vibrations and sound. (NGSS 1-PS4-1, NGSS 1-PS4-4)**

SC.1:1-1 Investigate how vibrations create sound. (e.g. tuning fork, plucked string)

SC.1:1-2 Investigate how sound creates vibrations. (e.g. piece of paper near speaker)

**SC.1:2 Students will demonstrate an understanding of the effect of light on objects. (NGSS 1-PS4-2, NGSS 1-PS4-3)**

SC.1:2-1 Observe how light can illuminate objects in the dark, both from an external source or an internal source. (e.g. flashlight in dark room, glow in the dark)

SC.1:2-2 Describe how light changes when various objects are placed in its path. (e.g. transparent- clear plastic, translucent- wax paper, opaque- cardboard, reflective- mirror)

**SC.1:3 Students will examine the relationships between living things. (NGSS**

SC.1:3-1 Match how ideas of plants and animal's characteristics have been adapted to become human inventions. (e.g. helmet= turtle shell, animal scales; barbed wire= thorns, quills; camera and microphones= eyes and ears)

SC.1:3-2 Describe the interactions between parents and offspring to meet their needs. (e.g. crying= care)

SC.1:3-3 Compare how young plants and animals resemble their parents. (e.g. leaves from same tree, dog breeds)

**SC.1:4 Students will demonstrate knowledge of the universe and the Earth. (NGSS 1-ESS1-1, NGSS 1-ESS1-2)**

SC.1:4-1 Identify objects in the day and night sky.

SC.1:4-2 Use observations of the sun, moon, and stars to describe patterns that can be predicted.

SC.1:4-3 Compare the number of daylight hours with the four seasons.