

Fourth Grade Science Objectives

Prairie - *The student will be able to:*

- 4.1.1 observe the relationship between living and nonliving things in a grassland ecosystem.
- 4.1.2 recognize animals and plants found in the grassland ecosystem and identify adaptations necessary for survival.
- 4.1.3 classify grassland organisms as producers, consumers (herbivores, carnivores, and omnivores), or decomposers.
- 4.1.4 create a model of a food web.
- 4.1.5 analyze the impact of both natural changes and human intervention on grassland ecosystems.
- 4.1.6 recognize the unique characteristics of different grassland ecosystems

Electricity - *The student will be able to:*

- 4.2.1 construct and design simple circuits.
- 4.2.2 differentiate between a series and a parallel circuit.
- 4.2.3 classify different materials as conductors or nonconductors.
- 4.2.4 construct a circuit to produce light, heat, and sound.
- 4.2.5 determine and assess the dangers of electricity.

Space - *The students will be able to:*

- 4.3.1 name and describe the parts of the solar system.
- 4.3.2 describe the motion of objects in the sky such as sun, moon, and planets.
- 4.3.3 create a scale model of the solar system showing relative distance and size.
- 4.3.4 understand how the seasons and phases of moon are affected by the motion of the Earth and moon.
- 4.3.5 develop an understanding of asteroids, meteoroids, and comets in our solar system as well as stars beyond our solar system.

Ecosystems - *The student will be able to:*

- 4.4.1 identify characteristics and locations of different biomes.
- 4.4.2 develop an understanding of biodiversity within an ecosystem.