Science - 3rd Grade

Mehlville School District
Science
Grade 3, Duration 1 Year

Rationale

In a world filled with the products of scientific inquiry, scientific literacy is a necessity for everyone in order to use scientific information to make wise choices. Today, the job market demands advanced skills, requiring people to be able to learn, reason, think creatively, work collaboratively, make decisions, and solve problems. An understanding of science and engineering practices are essential to building these skills.

Course Description

The Third Grade student will be studying about forces and interactions, inheritance and variation of traits, interdependent relationships in ecosystems, and weather and climate. In addition, the students will utilize the science and engineering practices by asking questions and defining problems, planning and carrying out investigations, and constructing explanations and designing solutions. The teacher will use a hands-on, minds-on approach to actively engage the students in constructing and revising their understanding of these concepts.

BOE 6/8/17

Course Objectives

1. The student will understand that force is a push or pull on an object using both strength and direction.
2. The student will understand that patterns of an object's motion can be observed, measured, and predicted.
3. The student will understand that energy can be transferred even when objects are not touching.
4. The student will understand that living things change over time.
5. The student will understand that plants and animals have different traits.
6. The student will understand that plant and animal traits can be influenced by the environment.
7. The student will understand that organisms depend on one another to survive in their environment.
8. The student will understand that environmental changes affect living things.
9. The student will understand that weather has patterns that can change and be predicted.
10. The student will understand that climate is the typical weather condition of an area.
11. The student will understand that natural processes can cause natural hazards and that humans can take steps to help reduce the results of those hazards.