

RTR Elementary School -2016
Grade 2 Science Standards

The Nature of Science and Engineering

1. Students will be able to raise questions about the natural world and seek answers by making careful observations, noting what happens when you interact with an object, and sharing the answers with others.
2. Students will be able to identify a need or problem and construct an object that helps to meet the need or solve the problem.
3. Students will be able to describe why some materials are better than others for making a particular object and how materials that are better in some ways may be worse in other ways.
4. Students will be able to explain how engineered or designed items from everyday life benefit people.

Physical Science

1. Students will be able to describe objects in terms of color, size, shape, weight, texture, flexibility, strength, and the types of materials in the objects.
2. Students will be able to observe record and recognize that water can be a solid or liquid and can change from one state to another.
3. Students will be able to describe an object's change in position relative to other objects or a background.
4. Students will be able to demonstrate that objects move in a variety of ways, including a straight line, a curve, a circle, back and forth, and at different speeds.
5. Students will be able to describe how push and pull forces can make objects move.
6. Students will be able to describe how things near Earth fall to the ground unless something holds them up.

Earth Science

1. Students will be able to measure, record and describe weather conditions using common tools.

Life Science

1. Students will be able to describe and sort plants into groups in many ways, according to their physical characteristics and behaviors.
2. Students will be able to Recognize that plans need space, water, nutrients and air, and that they fulfill these needs in different ways.
3. Students will be able to describe the characteristics of plants at different stages of their life cycles.