

RTR Elementary School -2016
Grade 1 Science Standards

The Nature of Science and Engineering

1. When asked "How do You Know?", students will be able to support their answer with observations. *For example:* Use observations to tell why a squirrel is a living thing.
2. Students will be able to recognize that describing things as accurately as possible is important in science because it enables people to compare their observations with those of others.
3. Students will be able to Observe that many living and nonliving things are made of parts and that if a part is missing or broken, they may not function properly.
4. Students will be able to recognize that tools are used by people, including scientists and engineers, to gather information and solve problems. *For example:* Magnifier, snowplow, calculator.

Earth Science

1. Students will be able to group or classify rocks in terms of color, shape and size.
2. Students will be able to describe similarities and differences between soil and rocks. *For example:* Use screens to separate components of soil and observe the samples using a magnifier.
3. Students will be able to identify and describe large and small objects made of Earth materials.

Life Science

1. Students will be able to describe and sort animals into groups in many ways, according to their physical characteristics and behaviors.
2. Students will be able to recognize that animals need space, water, food, shelter and air.
3. Students will be able to describe ways in which an animal's habitat provides for its basic needs. *For example:* Compare students' houses with animal habitats.
4. Students will be able to demonstrate an understanding that animals pass through life cycles that include a beginning, development into adults, reproduction and eventually death. *For example:* Use live organisms or pictures to observe the changes that occur during the life cycle of butterflies, meal worms or frogs.
5. Recognize that animals pass through the same life cycle stages as their parents.