

# Science-Grade 2 S1

## Description

Science Grade Two is a foundational course that covers concepts in Earth and Space Science, Life Science, and Physical Science through scientific inquiry. Students engage in scientific learning through observing, interacting with materials, and asking questions as they explore new scientific concepts. In Earth and Space Science, students learn about weather, rocks and soil, and the Sun's energy. Life Science covers the human body, the basic needs of plants and animals, and life cycles. In Physical Science, students learn about the properties of objects, states and changes of materials, changes in motion, and forms of energy.

## Required Materials

- cell phone to take photos, videos, or audio recordings of student work, or a scanner to scan and submit student work
- coloring materials (crayons, markers, colored pencils)
- storage space on your computer and an external device to back up your files (flash drive, external hard drive, etc.)
- erasers
- general household objects for activities
- glue
- headset or earbuds
- lined paper
- multi-colored paper
- notebook or binder for course resources
- pencils and pens
- printer
- printer paper
- ruler
- scissors
- stapler
- tape
- ten dried beans
- water
- large empty glass
- fork
- seeds
- ten dried beans
- water
- large empty glass

- fork

## Major Topics and Concepts

### Segment One

- Observable Properties
- Magnets
- Temperature
- Weight
- Solids, Liquids, and Gases
- Changing Materials
- Volume
- Electricity
- Forms of Energy
- Pushes and Pulls
- Changes in Motion