

SCIENCE

Science Grade 1

S.1.A Life Science

A.1. Students will understand the features and basic processes of the Earth.

- a) Know that the Sun provides the light and heat necessary to maintain the temperature of the Earth.
- b) Know common weather patterns (clouds, temperature, and humidity forms of precipitation).
- c) Know that rocks come in many different shapes and sizes (boulders, pebbles, and sand).
- d) Know that the stars are innumerable, unevenly dispersed, and of unequal brightness.

S.1.B Life Science

B.1. Students will understand the characteristics of living things.

- a) Know that animals require air, water, food, and shelter; plants require air, water, nutrients, and light.
- b) Know that living things are found almost everywhere in the world and that distinct environments support the life of different types of plants and animals.

S.1.C Matter

C.1. Students will know the structure and properties of matter (physical science).

- a) Know that many different objects are made up of many different types of materials (cloth, paper, wood, and metal) and have many different observable properties (color, size, shape, and weight).
- b) Understand that materials can be changed, through dissolving, freezing, and heating.
- c) Know that things not at rest can move in different ways (straight line, curve, zigzag, vibration).

C.2.D Scientific Inquiry

D.1. Students will understand the nature of scientific inquiry.

- a) Know that learning can come from observations, simple experiments, prediction, measuring, classifying, and communicating.
- b) Know how various devices were invented and how they were produced (bicycle, telephone, etc).