Grade 1 Science

Course Duration: Full Year
Category: Elementary, Science
Assessment: Lesson Practice, Unit Exams, Mid-Term Exam, Final Exam
Language: English

Course Overview

The Grade 1 Science course looks at different habitats and the animals that live in them, how animals' needs are met, how animals change, and how they differ from each other. The course also investigates weather and the natural resources of the earth. It explores why and how things move and make sound, and introduces energy and technology. Course topics include:

- Things Plants and Animals Need
- Habitat
- Life Cycles
- Earth's Resources
- Weather and the Sky
- Matter
- Sounds and Movements
- Energy and Technology

Scope and Sequence

Unit 1 – Why Science is Important

This unit discusses skills needed for science, the concept of living and non-living things, and the needs of plants and animals.

Unit 2 – Habitats

This unit explores forests, wetlands, oceans, and deserts as habitats, and introduces how some plants need saltwater, how animals and plants – such as desert plants – have adapted to their habitat.

Unit 3 – Animal and Plant Science

This unit discusses concepts of life science, introducing life cycles and the parts, protection, and adaptation of plants and animals. It also covers the classification of animals.

Unit 4 – Life Cycles

This unit explores the life cycles of animals and plants, and how living things change as they grow. It discusses how both animals and plants have parents and the concept of offspring. It examines the food chain and its importance in sustaining life.

Unit 5 – Earth's Resources

This unit discusses different kinds of land and water, as well as soil, rock, and other resources. It also explores reducing, reusing, and recycling, and introduces fossils.

This unit is followed by the Mid-Term Review and Exam.

Unit 6 – Weather and Seasons

This unit discusses rain, snow, wind, and temperature, as well as the four seasons. It explores the water cycle and how clouds are formed.

Unit 7 – The Sky and Space

This unit covers the rotation of the earth, causing us to have daytime and nighttime, as well as what we see in the sky during night and day. Further discussion topics include the moon, our solar system, and space exploration.

Unit 8 – Matter

This unit discusses concepts of matter, including state, mass, height, weight, and how matter can change.

Unit 9 – Sounds and Movements

This unit discusses movement, magnetism, sound, and speed.

Unit 10 – Energy

This unit discusses energy, heat, fuel, electricity, batteries, light and shadow, and where energy comes from.

Unit 11 – Technology

This unit explores technology used for farms, construction, and communication, as well as simple machines, inventions, and tools for the home.

This unit is followed by the Final Review and Exam.