

LCCS 1st Grade Science Curriculum Overview

Month	Unit
September - November	Unit 1: Waves: Light and Sound
November- February	Unit 2: Day and Night Patterns
March-June	Unit 3: Plant and Animal Structure, Function, and Survival

Unit 1: Waves: Light and Sound

At a Glance: In this unit, students are learning about how sound is made by vibrating materials and can also make other materials vibrate. Students will also learn about the necessity of light to see objects and that light can travel by putting different materials in a beam of light. Students will investigate vibrating materials, different types of materials that light can pass through, and create their own devices to help communicate across far distances using light and/or sound.

Timeline: 20 Days

Unit 2: Day and Night Patterns

At a Glance: In this unit, students are able to observe, describe, and predict some patterns of the movement of objects in the sky.

Timeline: 18 Days

Unit 3: Plant and Animal Structure, Function, and Survival

At a Glance: In this unit, students learn about how plants and animals use their different parts to help them grow and survive. They also learn about inherited traits through observing similarities and differences between plant/animal parents and offspring. Tadpoles are in the classroom as a case study of the concepts explored about other living things. There will be a focus on the frog and its life cycle, habitat, body (structure and function), and food chain. This will connect with traits and behaviors of living things in general to aid in survival.

Timeline: 20 Days