

LCCS Kindergarten Science Curriculum Overview

Month	Unit
September-October	Unit 1: What Do Scientists Do?
November-January	Unit 2: Pushes and Pulls
February-March	Unit 3: Animals, Plants, and Their Environment
April-June	Unit 4: Weather and Climate

Unit 1: What Do Scientists Do?

At a Glance: In this unit, students are learning about what it means to be a scientist, the tools scientists use, making observations, and the scientific method. Students will explore tools used by scientists, make observations about apple slices, and conduct a small experiment in which they determine what happens when eggs are placed in regular water and salt water using the scientific method.

Timeline: 9 Days

Unit 2: Pushes and Pulls

At a Glance: In this unit, students are learning about push and pull forces and how they create, stop, and change the motion of an object. Students will learn about different types of pushes and pulls, including forces in nature, gravity, and magnetism. They will engage in hands-on investigations that allow them to explore what influences the direction of a force and the strength of a force, and they will complete three “class challenges” in which they design solutions to stop an object’s motion, change the direction of an object’s motion, and change the speed of an object’s motion using a push or pull force.

Timeline: 14 Days

Unit 3: Animals, Plants, and Their Environment

At a Glance: In this unit, students are learning about living things and their environments. Students will learn about the characteristics of living things and what they need to survive. They will also learn about different types of environments and how living things interact with and change their environments to get what they need and want. Students will examine ways in which humans impact their environment, including ways that are harmful or negative. They will select one harmful human impact, brainstorm solutions to reduce this impact, and communicate those solutions by creating and presenting an informative poster.

Timeline: 20 Days

Unit 4: Weather and Climate

At a Glance: In this unit, students are learning about the weather types and patterns, weather forecasting, temperature effects of sunlight, water cycle, and seasons.

Timeline: 20 Days