

Cocalico School District
Year-at-a-Glance - Curriculum Overview

Department: Science

Course: Science

Grade Level: 2nd grade

Big Ideas

- People learn about science by asking good questions and doing careful investigations.
- Living things have needs and change as they grow.
- There are many kinds of animals, which can be grouped by traits.
- Plants have parts that help them live and grow.
- There are three states of matter: solid, liquid, and gas.
- Matter can change.
- Earth’s surface is made up of many different materials and can change over time.
- Earth has many natural resources that people use.

Units of Study	% of Course Time	Textbooks & Supplemental Materials	Assessments	Standards Addressed
• Inquiry Skills, Science Tools and Role of a Scientist	34 %	• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.2.4.C
• Living and Nonliving Things		• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.3.4.A • 3.3.4.B
• Animals		• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.3.4.A • 3.3.4.B • 3.3.4.C
• Plants		• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.3.4.A • 3.3.4.C
• Observing and Classifying Matter	33%	• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.4.4.A
• Changes in Matter		• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.4.4.A
• Exploring Earth’s Surface	33%	• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.5.4.A
• Natural Resources		• HSP Science (2009) • Supplemental Resources	• Unit Assessment • Classroom Labs	• 3.3.4.A • 3.3.4.D • 4.2.4.A • 4.2.4.C • 4.3.4.A • 4.3.4.B • 4.8.4.B • 4.8.4.C • 4.8.4.D



Eagle P.A.C.T. Course Connections:

Students will **work with others** to research, observe, discover, **analyze** and conduct experiments related to the natural world around them. They will also **collaborate with peers** to develop **adaptations** or solutions to **authentic problems** which are relevant to their environments.