

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

Department: Science

Course: Science

Grade Level: 3rd grade

Big Ideas

- Science is about raising questions and seeking answers through careful observation and investigation.
- Movement is caused by forces acting on an object.
- Simple machines allow people to change the direction or size of a force.
- Water is important to all living things in many different ways.
- The sun and everything that orbits it make up the solar system.
- All the living, once living, and nonliving things in an environment interact in an ecosystem.
- All living things need energy to survive and grow.

Units of Study	% of Course Time	Textbooks & Supplemental Materials	Assessments	Standards Addressed
<ul style="list-style-type: none"> • Inquiry Skills, Science Tools and Scientific Method 	34 %	<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.2.4.C • 3.7.4.A • 3.7.4.B
<ul style="list-style-type: none"> • Forces and Motion 		<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.4.4.B • 3.4.4.C
<ul style="list-style-type: none"> • Work and Machines 		<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.4.4.C • 3.8.3.B • 3.8.4.A
<ul style="list-style-type: none"> • The Water Cycle 	33%	<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.5.3.C • 3.5.3.D • 3.7.4.B • 4.2.4.A • 4.3.4.A
<ul style="list-style-type: none"> • Earth's Place in the Solar System 		<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.4.4.D
<ul style="list-style-type: none"> • Location of Living Things 	33%	<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.3.4.C • 3.3.4.D • 4.5.4.A • 4.6.4.C • 4.8.4.C
<ul style="list-style-type: none"> • Living Things Dependence 		<ul style="list-style-type: none"> • HSP Science (2009) • Supplemental Resources 	<ul style="list-style-type: none"> • Unit Assessment • Classroom Labs • Projects 	<ul style="list-style-type: none"> • 3.3.4.D • 4.6.4.A • 4.6.4.B • 4.7.4.B



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.