



Annville-Cleona School District

Curriculum Map: First Grade Science

Description: In first grade, students will explore a variety of scientific topics through hands-on investigations and lessons. Continued development of foundational understandings related to science, while building student knowledge base regarding concepts in science will occur. Students will also practice and explore the scientific process of problem solving within the science content.

Units of Study	PA Core Standards for Science		
Unit: Pebbles, Sand, and Silt <ul style="list-style-type: none"> ☐ Observation of Rocks ☐ Properties of Rocks ☐ Sorting and Categorizing ☐ Rocks in Use 	S3.A.1 S3.A.1.1 S3.A.1.1.2 S3.A.2 S3.A.2.1.1 S3.A.2.1.2 S3.A.2.2 S3.A.2.2.1 S3.A.3 S3.A.3.1 S3.A.3.1.2 S3.D.1 S3.D.1.1	S3.D.1.1.1 S3.D.1.1.2 S4.A.1.3 S4.A.1.3.2 S4.A.2.1 S4.A.2.1.1 S4.A.2.1.4 S4.A.2.2 S4.A.2.2.1 S4.B.3.1 S4.B.3.1.1 S4.B.3.3 S4.B.3.3.1	S4.B.3.3.2 S4.C.1.1 S4.C.1.1.1 S4.D.1.1.3 S4.D.1.2 S4.D.1.2.1 S4.D.1.2.2 S5.A.2 S5.A.2.1 S5.A.2.1.1 S5.A.2.2 S5.A.2.2.2 S5.A.3
Units of Study	PA Core Standards for Science		
Unit: Solids and Liquids <ul style="list-style-type: none"> ☐ Observing and Describing Solids ☐ Sorting by Properties ☐ Comparing Solids ☐ Investigating Solids in Water ☐ Testing Solids with a Magnet ☐ Observing and Comparing Liquids ☐ Investigating Liquids ☐ Drop Races ☐ Mixing Liquids ☐ Comparing Solids and Liquids 	S3.A.1 S3.A.1.1 S3.A.2 S3.A.2.1 S3.A.2.1.1 S3.A.2.1.2 S3.A.2.1.3 S3.A.2.2 S3.A.2.2.1 S3.C.1.1.1 S3.C.1.1.2 S4.A.1.3.1 S4.A.1.3.2	S4.A.2.1 S4.A.2.1.1 S4.A.2.1.2 S4.A.2.1.4 S4.A.2.2 S4.A.2.2.1 S4.C.1.1 S4.C.1.1.1 S4.C.1.1.2 S4.C.3.1 S4.C.3.1.1 S4.C.3.1.2 S4.C.3.1.3	S5.A.1 S5.A.1.1.3 S5.A.2 S5.A.2.1 S5.A.2.1.1 S5.A.2.1.2 S5.A.2.2 S5.A.2.2.1 S5.A.3 S5.A.3.1.1 S5.B.2.1.3

Units of Study	PA Core Standards for Science		
Unit: Plants <ul style="list-style-type: none"> □ Parts of a Seed □ Types of Stems □ Why are Leaves Important □ The Purpose of Roots □ Seed Dispersal □ Needs of Plants □ Plant Adaptations □ Plants as Food □ Importance of Plants 	S4.A.1.3.1 S4.A.1.3.2 S4.A.1.3.4 S4.A.2.1 S4.A.2.1.1 S4.A.2.1.2 S4.A.2.1.3 S4.A.2.1.4 S4.A.2.2 S4.A.2.2.1 S4.A.3.1.2 S4.A.3.1.4 S4.A.3.2 S4.A.3.2.2 S4.A.3.3 S4.A.3.3.1	S3.B.1 S3.B.1.1 S3.B.1.1.1 S3.B.1.1.3 S3.B.1.1.4 S3.B.2 S3.B.2.1 S3.B.2.1.1 S3.B.2.1.2 S3.B.2.1.3 S3.B.3.1 S3.B.3.1.2 S4.B.1 S4.B.1.1.3 S4.B.1.1.4 S4.B.1.1.5	S4.B.2.1 S4.B.2.1.1 S4.B.2.1.2 S4.B.3.1 S4.B.3.1.2 S4.B.3.2 S4.B.3.2.1 S4.B.3.2.3 S4.B.3.3 S4.B.3.3.1 S4.B.3.3.2 S4.D.1.2 S4.D.1.2.1 S4.D.1.2.2
Units of Study	PA Core Standards for Science		
Unit: Water Cycle <ul style="list-style-type: none"> □ Follow the Life of a Raindrop □ States of Matter in Water Cycle □ Water Cycle Demonstration □ The Incredible Journey of Water □ Ways We Use Water 	S3.B.3 S3.B.3.1.2 S3.B.3.2 S3.B.1.1.3 S3.A.3 S3.A.3.1.1 S3.A.3.1.2 S3.A.3.2 S3.A.3.2.1 S4.A.3.1 S4.A.3.1.1 S4.A.3.1.2	S4.A.3.2 S4.A.3.2.2 S4.A.3.3 S4.A.3.3.1 S4.B.1.1.3 S4.B.3.1 S4.B.3.1.2 S4.B.3.3 S4.B.3.3.1 S4.C.1.1 S4.C.1.1.1 S4.D.1.2	S4.D.1.2.2 S4.D.1.3 S4.D.1.3.1 S4.D.1.3.2 S5.A.1 S5.A.1.1.3 S5.A.3 S5.A.3.2 S5.A.3.2.1 S5.A.3.1.1
Units of Study	PA Core Standards for Science		
Unit: Food Chain/Web <ul style="list-style-type: none"> □ Relationship Between Living and Non-Living Things □ Living/Non-Living Scavenger Hunt □ The Food Chain 	S4.A.3.1 S4.A.3.1.2 S4.A.3.1.3 S4.A.3.2 S4.A.3.2.1 S4.A.3.2.2 S4.A.3.2.3 S3.B.1 S3.B.1.1 S3.B.1.1.2 S3.B.1.1.3	S3.B.3 S3.B.3.1 S3.B.3.1.1 S3.B.3.1.2 S3.B.3.2 S3.B.3.2.1 S3.B.3.2.2 S3.B.3.2.3 S4.B.1.1.3 S4.B.3.1 S4.B.3.1.1	S4.B.3.1.2 S4.B.3.2 S4.B.3.2.1 S4.B.3.2.2 S4.B.3.2.3 S4.B.3.3 S4.B.3.3.3 S4.C.2.1 S4.C.2.1.1 S4.C.2.1.2 S5.B.3.1.2

Units of Study	PA Core Standards for Science		
Unit: Earth's Resources <ul style="list-style-type: none"> □ What are Resources □ Renewable vs. Nonrenewable □ Taking Care of the Earth 	S3.B.3	S3.B.3.2.3	S3.D.1.2.3
	S3.B.3.1.2	S3.D.1.2	S5.B.3.2
	S3.B.3.2	S3.D.1.2.1	S5.B.3.2.2
	S3.B.3.2.1	S3.D.1.2.2	S5.B.3.2.3