



## First Grade:

Taken from the PA Early Learning Standards.  
*Those in bold/italics are from the PA Common Core.*

### Approaches to Learning Through Play

- AL.2 1.D Recognize and create increasingly complex patterns. (The Open Art Studio)
- AL.2 1.C Accomplish challenging tasks by employing familiar and new strategies as needed. (Fun with Light)
- AL.2 1.A Complete a task, despite interruptions or classroom disruptions. (Lego Wall)
- AL.2 1.B Complete multi- step tasks with independence. (Lego Wall)
- AL.3 1.A Use and connect materials/ strategies in uncommon ways to create something new or to solve problems. (Lego Wall)
- AL.3 1.C Use materials and objects to represent new concepts. (Lego Wall)
- AL.1 1.C Engage in cooperative, purposeful, and interactive play experiences that enhance learning. (Portal to the Past Cave)
- AL.4 1.C Use problem- solving strategies to achieve a positive outcome. (Water Works & Water Table)
- AL.4 1.A Relate knowledge learned from one experience to another. (Our Town)
- AL.4 1.B Recognize that everyone makes mistakes and that using positive coping skills can result in learning from the experience. (Experience Theater)
- AL.1 1.B Participate in a variety of challenging experiences. (Notion of Motion)
- AL.3 1.B Create an object to serve a functional purpose. (Notion of Motion)
- AL.4 1.C Use problem- solving strategies to achieve a positive outcome. (Notion of Motion)

### Cognitive Development & General Knowledge

- 4.1.1.A Identify and describe the basic needs of living things in a terrestrial habitat. (Outdoor Classroom)

### Health, Wellness & Physical Development

- 10.1 1.C Identify foods that keep our bodies healthy. (Our Town)

### Language & Literacy Development

- CC.1.1.1.D Know and apply grade-level phonics and word analysis skills in decoding words. (Our Town)***
- CC.1.2.1.G Use the illustrations and details in a text to describe its key ideas. (Experience Theater)***

### Mathematical Thinking & Expression

- CC.2.3.1.A.2 Use the understanding of fractions to partition shapes into halves and quarters. (Fun with Light)***
- 2.4 1.A.1 Order lengths and measure them both indirectly and by repeating length units. (Lego Wall)
- 2.3 1.A.2 Use the understanding of fractions to partition shapes into halves and quarters. (Our Town)
- CC.2.2.1.A.1 Represent and solve problems involving addition and subtraction within 20. (Our Town)***
- CC.2.2.1.A.2 Understand and apply properties of operations and the relationship between addition and subtraction. (Our Town)***

### **Scientific Thinking & Technology**

- 3.2 1.B.5 Compare and contrast how light travels through different materials. Explore how mirrors and prisms can be used to redirect a light beam. (Fun with Light)
- 3.1 1.C.3 Describe changes that occur as a result of habitat. (Portal to the Past Cave)
- 4.1 1.A Identify and describe the basic needs of living things in a terrestrial habitat. (Portal to the Past Cave)
- 3.2 1.A.1 Observe and describe the properties of liquids and solids. Investigate what happens when solids are mixed with water and other liquids are mixed with water. (Water Works & Water Table)
- 3.2 1.A.3 Identify how heating, melting, cooling, etc., may cause changes in the properties of materials. (Water Works & Water Table)
- 3.2 1.A.4 Observe and describe what happens when substances are heated or cooled. Distinguish between changes that are reversible (e.g., melting, freezing) and not reversible. (e.g., baking a cake, burning fuel) (Water Works & Water Table)
- 3.2 1.A.5 Recognize that everything is made of matter. (Water Works & Water Table)
- 3.2 1.A.6 Participate in simple investigations of matter to answer a question or to test a prediction. (Water Works & Water Table)
- 3.3 1.A.4 Identify and describe types of fresh and salt- water bodies (e.g., oceans, rivers, lakes, ponds). (Water Works & Water Table)
- 3.3 1.A.7 Participate in simple investigations of earth structures, processes, and cycles to answer a question or to test a prediction. (Water Works & Water Table)
- 4.2 1.A Explain the path water takes as it moves through the water cycle. (Water Works & Water Table)
- 4.3 1.B Recognize the difference between renewable and nonrenewable resources. (Water Works & Water Table)
- 4.5 1.A Identify resources humans use from the environment. (Water Works & Water Table)
- 3.2 1.B.7 Participate in simple investigations of energy and motion to answer a question or to test a prediction. (Air Rocket)
- 4.3 1.A Identify some renewable resources used in the community. (Air Rocket)
- 3.2 1.B.1 Observe and describe how pushes and pulls change the motion of an object. (GE Locomotive)
- 3.1 1.A.1 Categorize living and nonliving things by external characteristics. (Outdoor Classroom)
- 3.1 1.A.2 Investigate the dependence of living things on the sun's energy, water, food/ nutrients, air, living space, and shelter. (Outdoor Classroom)
- 3.1 1.A.5 Identify and describe plant parts and their functions. (Outdoor Classroom)
- 3.1 1.A.9 Participate in investigations about living and/ or nonliving things to answer a question or to test a prediction. (Outdoor Classroom)
- 3.1 1.B.6 Participate in simple investigations of physical characteristics of living things from the same species to answer a question or test a prediction. (Outdoor Classroom)
- 3.2 1.B.6 Recognize that light from the sun is an important source of energy for living and nonliving systems and some source of energy is needed for all organisms to stay alive and grow. (Outdoor Classroom)
- 3.3 1.B.1 Explain why shadows fall in different places at different times of the day. (Outdoor Classroom)
- 3.2.1.B.1 Demonstrate various types of motion. (Notion of Motion)
- 3.2.1.B.1 Observe and describe how pushes and pulls change the motion of objects. (Notion of Motion)

### **Social & Emotional Development**

- 6.5.1.A. Identify individuals who work for wages in the community. (Our Town)

### **Social Studies Thinking**

- 15.4 1.M With help and support, identify various technologies used in the workplace. (Our Town)