

Science Domain	Storyline	NGSS* Topic	Performance Expectations	Time Estimate
Physical Science	<p><u>Sorting, Making, and Changing Objects</u></p> <p>In this Storyline, students develop an understanding of how to describe and classify materials by their observable properties. They design objects out of different materials and compare how well suited the materials are for a particular purpose. Students discover that an object made up of pieces can be disassembled and rearranged into different objects that have new properties and purposes. Finally, students investigate whether the properties of materials change when exposed to heat or cold and then use evidence to make an argument about the effects of heating and cooling.</p>	Structure and Properties of Matter	2-PS1-1 2-PS1-2 2-PS1-3 2-PS1-4 K-2-ETS1-3	Lesson 1: 15–20 days Lesson 2: 15–20 days Lesson 3: 7–15 days Lesson 4: 6–10 days TOTAL: 40–65 days
Life Science	<p><u>Plants and Animals: Diversity and Interactions</u></p> <p>In this Storyline, students develop an understanding of the great diversity of life in various habitats around the world, including those near where they live. They plan and carry out an investigation to determine what plants need to grow and explore cause-and-effect relationships between plant growth and exposure to sunlight and water. Students then develop models to explore the structure and function of animal and plant parts that aid in pollination and seed dispersal.</p>	Interdependent Relationships in Ecosystems	2-LS2-1 2-LS2-2 2-LS4-1 K-2-ETS1-2	Lesson 1: 10–15 days Lesson 2: 5–9 days [†] (Students also complete a 2-week investigation.) Lesson 3: 6–10 days Lesson 4: 10–15 days TOTAL: 30–50 days
Earth and Space Science	<p><u>Earth's Land and Water</u></p> <p>In this Storyline, students develop an understanding of where landforms and bodies of water are located, and how these features of Earth's surface are shaped by both rapid and slow dynamic processes. They apply their knowledge of Earth's land and water to design and compare solutions aimed at preventing changes to the land.</p>	Earth's Systems: Processes that Shape the Earth	2-ESS1-1 2-ESS2-1 2-ESS2-2 2-ESS2-3 K-2-ETS1-3	Lesson 1: 8–10 days Lesson 2: 5–9 days Lesson 3: 7–10 days Lesson 4: 5–9 days Lesson 5: 8–15 days TOTAL: 30–55 days

NOTE: One "day" represents a typical classroom session of 45–60 minutes.

[†] This lesson requires additional time to complete a long-term investigation. During this time, students can work on other aspects of the Storyline, use other resources from Science A–Z units, or engage in other scientific investigations.