Through this unit the lessons build towards several Performance Expectations in the Next Generation Science Standards (NGSS) as well as the Common Core State Standards for English Language Arts (CCSS ELA). It is important to remember that the lessons cannot be taught in isolation or the standards will not be addressed. Although the CCSS ELA standards cited here are at the second grade level, the anchor standards from which they were developed can be found at all grade levels.

**Next Generation Science Standards**

* **K-2-ETS1-1**. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
* **K-2-ETS1-2**. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.
* **K-2-ETS1-3**. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.
* **2-PS1-1**. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
* **2-PS1-2**. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.\*

**Common Core State Standards in English Language Arts**

*Literacy*

* **CCSS.ELA-Literacy.RL.2.1** Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
* **CCSS.ELA-Literacy.RL.2.2** Recount stories, including fables and folktales from diverse cultures, and determine their central message, lesson, or moral.
* **CCSS.ELA-Literacy.RL.2.3** Describe how characters in a story respond to major events and challenges.
* **CCSS.ELA-Literacy.RL.2.7** Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.
* **CCSS.ELA-Literacy.RL.2.9** Compare and contrast two or more versions of the same story (e.g., Cinderella stories) by different authors or from different cultures. ***To address this standard the Teacher Tip on page 59 has guidance regarding reading versions of the “Three Little Pigs.”***

*Informational Text*

* **CCSS.ELA-Literacy.RI.2.1** Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.
* **CCSS.ELA-Literacy.RI.2.2** Identify the main topic of a multiparagraph text as well as the focus of specific paragraphs within the text.
* **CCSS.ELA-Literacy.RI.2.3** Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.

*Writing*

* **CCSS.ELA-Literacy.W.2.8** Recall information from experiences or gather information from provided sources to answer a question.

*Speaking and Listening*

* **CCSS.ELA-Literacy.SL.2.2** Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.
* **CCSS.ELA-Literacy.SL.2.3** Ask and answer questions about what a speaker says in order to clarify comprehension, gather additional information, or deepen understanding of a topic or issue.