

Appendix 1 - Implementing Common Core Standards

This unit relies on making connections to children’s literature. It covers a variety of literature standards for first grade.

CCSS.ELA-Literacy.RL.1.9 Compare and contrast the adventures and experiences of characters in stories.

In this unit, the students will listen to a variety of fictional stories and compare the experiences of the characters to the experiences that they are having during the science portion of their unit.

CCSS.ELA-Literacy.RL.1.7 Use illustrations and details in a story to describe its characters, setting, or events.

In this unit, students will need to identify important story elements in order to connect them to what we are learning during the science experiment. The students will need to be able to describe what is happening to the characters in the story so that they can determine if they are feeling the same feelings during the experiment.

1.P.1 - Understand how forces (pushes or pulls) affect the motion of an object.

In this unit, force and motion are a part of several of the experiments. The students need to understand what force is and they need to know that force can be a push or a pull. It can also affect the direction that an object travels. This information is important so that the students can explain the “mystery behind the magic”.

1.E.2 - Understand the physical properties of Earth materials that make them useful in different ways.

In this unit, several experiments are going to be conducted. Often times a physical or chemical change is going to take place. Students need to understand what physical properties are so that they can determine if a change has taken place or not.

2.P.2 - Understand properties of solids and liquids and the changes they undergo.

In this unit, some of the experiments involve changes in matter. Students need to understand what solids, liquids, and gases are for several reasons. They need to understand what they are working with for each experiment.