

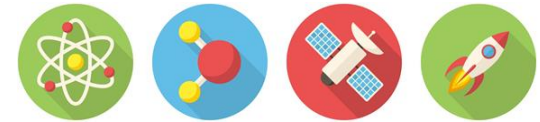


Prince William County Schools

Grade One Science

Suggested Pacing Guide

2019 – 2020



FIRST QUARTER (47 DAYS)	SECOND QUARTER (43 DAYS)	THIRD QUARTER (43 DAYS)	FOURTH QUARTER (47 DAYS)
<p style="text-align: center;">August 26-November 1</p> <p>Unit 1 Earth and Sun Relationships 1.6, 1.1</p> <ul style="list-style-type: none"> ➤ The Sun’s energy and light warms the Earth’s land, air, and water ➤ The Sun’s relative position changes in the Earth’s sky throughout the day ➤ Science & <u>Engineering</u> Practices (infused) <p>Unit 2 Weather and Seasonal Changes 1.7, 1.1</p> <ul style="list-style-type: none"> ➤ Changes in temperature, light, and precipitation occur over time and affect plants and animals, including humans (<i>Moved to Plants Unit and Animals Unit</i>) ➤ Relationships between daily weather and the season ➤ Science & <u>Engineering</u> Practices (infused) <p>Aug. 30, Sept. 2 – Labor Day: No School Oct. 14, Nov. 4 and 5 – In-service/Workdays</p>	<p style="text-align: center;">November 6-January 24</p> <p>Unit 3 Plants 1.4, 1.7, 1.1</p> <ul style="list-style-type: none"> ➤ What plants need to grow ➤ Structures of plants perform specific functions ➤ Plants can be classified based on a variety of characteristics ➤ Science & <u>Engineering</u> Practices (infused) <p>Unit 4 Animals 1.5, 1.1</p> <ul style="list-style-type: none"> ➤ What animals need to live ➤ Animals have different physical characteristics that perform specific functions ➤ Animals can be classified based on a variety of characteristics ➤ Science & <u>Engineering</u> Practices (infused) <p>Nov. 11 – Veterans’ Day: No School Nov. 27-29 – Thanksgiving Break Dec. 23-Jan 3 – Winter Break Jan 20 – Martin Luther King Birthday: No School Jan. 27 – In-service/Workday</p>	<p style="text-align: center;">January 28-March 27</p> <p>Unit 5 Natural Resources 1.8, 1.1</p> <ul style="list-style-type: none"> ➤ Limited natural resources ➤ Human actions can affect the availability of natural resources ➤ Conserving natural resources ➤ Science & <u>Engineering</u> Practices (infused) <p>Unit 6 Matter 1.3, 1.1</p> <ul style="list-style-type: none"> ➤ <u>Objects are made of one or more materials with different physical properties and multiple purposes</u> ➤ <u>When an object changes in size, most physical properties remain the same</u> ➤ <u>The type and amount of material determine how much light can pass through an object</u> ➤ Science & <u>Engineering</u> Practices (infused) <p>Feb. 17 – Presidents’ Day: No School March 30 – In-service/Workday</p>	<p style="text-align: center;">March 31-June 12</p> <p>Unit 7 Force and Motion 1.2, 1.1</p> <ul style="list-style-type: none"> ➤ Types of motion (straight, circular, back-and-forth) ➤ Objects may vibrate and produce sound ➤ Science & <u>Engineering</u> Practices (infused) <p>April 6-10 – Spring Break April 13 – In-service/Workday May 25 – Memorial Day: No School June 15 – Workday</p>

Theme: How I interact with My World

In first grade science, students become aware of factors that affect their daily lives. They continue to learn about basic needs of living things, develop skills to pose simple questions, conduct simple investigations, observe, classify, and communicate information about the natural world. Changes in weather seasons and their patterns over time (1.7) may be taught as a discrete unit or may be integrated throughout the course of the school year by observing weather over time during daily classroom routines involving calendar study and seasonal activities. Science and Engineering practices (1.1) should be incorporated as a part of inquiry-based instruction.

Note: Total instructional time for science and social studies is 36 weeks. The suggested pacing for science is based on 18 weeks of instruction over the course of the school year. Schools may make site-based decisions on when science and social studies instruction is delivered; however, to ensure consistency countywide, schools are highly encouraged to adhere to the sequence of science content outlined above. The underlined content is new to first grade.