



Prince William County Schools
Kindergarten 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 2 Human Senses K.5, K.1</p> <ul style="list-style-type: none"> ➤ Five senses and sensory organs ➤ Sensory descriptors ➤ Science & <u>Engineering</u> Practices (<i>infused</i>) <p>Unit 3 Earth’s Natural Resources K.11, K.1</p> <ul style="list-style-type: none"> ➤ Re-use & recycle natural resources ➤ <u>Choices people make affect natural resources</u> ➤ Science & <u>Engineering</u> Processes (<i>infused</i>) <p>Unit 4 Properties & Importance of Water K.4, K.1</p> <ul style="list-style-type: none"> ➤ Water as a solid or a liquid ➤ Flows downhill ➤ <u>Locations and Uses</u> ➤ Science & <u>Engineering</u> Practices (<i>infused</i>) <p>Aug. 30, Sep. 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 5 Properties of Matter K.3, K.1</p> <ul style="list-style-type: none"> ➤ Color, shape, form, texture, feel ➤ Relative size & weight ➤ Science & <u>Engineering</u> Practices (<i>infused</i>) <p>Unit 6 Pushes and Pulls <u>K.2, K.1</u></p> <ul style="list-style-type: none"> ➤ <u>Pushes and pulls as forces</u> ➤ <u>Effect of a push or pull on the direction of an object’s motion</u> ➤ <u>Effect of strength of a push or pull on the motion of an object</u> ➤ <u>Science & Engineering Processes</u> (<i>infused</i>) <p>Nov. 11 – Veterans’ Day: No School Nov. 27-29 – Fall 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 7 Light & Shadows K.8, K.1</p> <ul style="list-style-type: none"> ➤ <u>Sunlight warms Earth’s surfaces</u> ➤ How shadows are made ➤ <u>Temperature differences of objects in shadows</u> ➤ Science & <u>Engineering</u> Practices (<i>infused</i>) <p>Unit 8 Living Things K.6a-b, K.7, K.9b-c, K.10, K.1</p> <ul style="list-style-type: none"> ➤ Things are living or nonliving ➤ Characteristics of living things ➤ Needs of animals ➤ Needs of plants ➤ Plants & animal life cycle patterns ➤ Offspring are similar to parents ➤ Patterns of growth and change in living things ➤ Change in nonliving (human-made) things ➤ Science & <u>Engineering</u> Processes (<i>infused</i>) <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 8 Living Things (cont.)</p> <ul style="list-style-type: none"> ➤ Things are living or nonliving ➤ Characteristics of living things ➤ Needs of animals ➤ Needs of plants ➤ Plants & animal life cycle patterns ➤ Offspring are similar to parents ➤ Patterns of growth and change in living things ➤ Change in nonliving (human-made) things ➤ Science & <u>Engineering</u> Processes (<i>infused</i>) <p>April 6-10– Spring Break April 13 – In-service/Workday May 25 – Memorial Day: No School June 15 – Workday</p>
<p style="text-align: center;">Unit 1 Natural Patterns: Weather, Seasons, & Day/Night</p> <p>Changes in weather, seasons and their patterns over time (K.9a-c, K.10a, c-d) 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 <u>Engineering</u> practices (K.1) should be incorporated as a part of inquiry-based instruction.</p>			

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 kindergarten.