

Grade K – Science Pacing Calendar

Newsela: Seasonal STEAM Projects

(Grade K)	Week 1	Week 2	Week 3	Week 4
<p>September</p> <p>Pushes + Pulls (6 weeks) Start: 9/8/25</p> <p>Password: Strong26</p>	<p>Beginning of the year Assessments</p> <p>Standard: K-ETS1-1 – Ask and answer questions about the design process to solve a simple problem.</p> <p>Newsela Link: Engineering Design Process</p> <p>Newsela link: Science Claim-Evidence-Reasoning Activities</p> <p>Standard: K-ETS1-1 – Practice safe behaviors when designing and testing solutions.</p> <p>Lab safety</p>	<p>Matter and Its Interactions</p> <p>Standard: K-PS1-1 – Investigate and describe the properties of different materials.</p> <p>Matter: Solids</p>	<p>Matter and Its Interactions</p> <p>Standard: K-PS1-1 – Investigate and describe the properties of different materials.</p> <p>Matter: Liquids</p>	<p>Matter and Its Interactions</p> <p>Standard: K-PS1-1 – Investigate and describe the properties of different materials.</p> <p>Matter: Gases</p> <p>Science Benchmarks</p>
<p>October</p>	<p>Forces + Interactions: Pushes and Pulls</p> <p>Standard: K-PS2-1 – Investigate the effects of different strengths or directions of pushes and pulls on the motion of an object.</p> <p>Forces: Pushes + Pulls</p>	<p>Forces + Interactions: Pushes and Pulls</p> <p>Standard: K-PS2-2 – Analyze data to determine how patterns of movement can be used to predict future motion.</p> <p>Direction + Speed</p> <p>Standard: K-PS2-2 – Analyze data to determine the effects of a collision</p> <p>Colliding Objects</p>	<p>Standard: K-ETS1-1 – Use tools and materials to design and build a structure that solves a problem.</p> <p>STEM Activity: Invent a New Tool</p> <p>Research + design</p>	<p>Standard: K-ETS1-1 – Use tools and materials to design and build a structure that solves a problem.</p> <p>STEM Activity: Invent a New Tool</p> <p>Build your tool</p>
<p>November</p> <p>Weather (17 weeks) Start: 11/17/25</p> <p>Password: Observe26</p>	<p>Standard: K-ETS1-1 – Use tools and materials to design and build a structure that solves a problem.</p> <p>STEM Activity: Invent a New Tool Complete display boards</p>	<p>STEM Night November 13, 2025</p> <p>Toddler reflections</p>	<p>Weather and Climate</p> <p>Standard: K-ESS2-1 – Use and share observations of local weather conditions.</p> <p>Weather + Weather Patterns</p>	<p>Weather and Climate</p> <p>Standard: K-ESS3-2 – Ask questions to obtain information about the purpose of weather forecasting.</p> <p>Severe Weather</p>

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December	<p><u>Weather and Climate</u></p> <p>Standard: K-PS3-1 – Make observations to determine the effect of sunlight on Earth's surface.</p> <p>Effect of sunlight on Earth's surface</p>	<p><u>Weather and Climate</u></p> <p>Standard: K-ESS3-2 – Use tools to collect and record weather data to predict patterns</p> <p>Weather Forecasting: Data collection</p>	<p><u>Weather and Climate</u></p> <p>Standard: K-ESS3-2 – Use tools to collect and record weather data to predict patterns</p> <p>Weather Forecasting: Data collection</p> <p>Toddle reflections</p>	<p>Holiday Recess School Closed</p>
<p>January</p> <p>Worm Scouts (9 weeks) Start: 1/19/26</p> <p>Password: Puppet26</p>	<p>Holiday Recess School Closed</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS3-1 – Use a model to represent the relationship between the needs of different plants and animals and the places they live.</p> <p>Natural Resources</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS3-1 – Communicate solutions that reduce human impact on the environment.</p> <p>STEM Activity: Resources Used Over Winter (small group stations)</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS3-3 – Communicate solutions that reduce the impact of humans on the land, water, air, and other living things.</p> <p>Reduce, Reuse, Recycle</p>
February	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-LS1-1 – Use observations to describe patterns of what plants and animals need to survive.</p> <p>Living vs Non-Living Things</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS3-1 – Identify how animals meet their needs from their environment. Their Environment</p> <p>What animals need to survive</p>	<p>Winter Recess School Closed</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-LS1-1 – Observe and record what plants need to grow and thrive.</p> <p>What plants need to survive</p>
March	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS2-2 – Construct an argument supported by evidence for how plants and animals can change their environment.</p> <p>Animals change the environment</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS2-2 – Construct an argument supported by evidence for how plants and animals can change their environment.</p> <p>Plants change the environment</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS3-1 – Understand how people use resources and affect the environment.</p> <p>People and the environment</p>	<p><u>Interdependent Relationships in Ecosystems: Animals, Plants, + Their Environment</u></p> <p>Standard: K-ESS2-2 – Construct an argument supported by evidence for how plants and animals can change their environment</p> <p>Class Projects: Research an animal and create a poster or diorama of an animal in its environment.</p>

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<p>April</p>	<p>EARTH DAY PROJECTS</p> <p>Research: Discuss how you can use household items and repurpose them into something else (Classroom Flipping Project)</p> <p>Build: Make and decorate your repurposed planters</p>	<p>Spring Recess School Closed</p>	<p>EARTH DAY CELEBRATIONS</p> <p>Earth Day: April 22, 2026</p> <p>Gallery Walk</p> <p>Protect the earth – complete Flipped Projects</p> <p>Toddle Reflections</p>	<p>Life Sciences Standard: P-LS1-1 – Observe and describe what plants need to grow</p> <p>Planting seeds</p>
<p>May</p> <p>Classroom Gardens</p>	<p>Life Sciences Standard: P-LS1-1 – Observe and describe what plants need to grow.</p> <p>Transferring our plants into our decorated pots</p>	<p>Life Sciences Standard: P-LS1-1 – Observe and describe what plants need to grow.</p> <p>Mother’s Day Plant Presentations</p> <p>STEM Night May 19, 2025</p> <p>Toddle reflections</p>	<p>Life Sciences Standard: P-LS1-1 – Observe and describe what plants need to grow.</p> <p>Classroom gardens</p>	<p>Life Sciences Standard: P-LS1-1 – Observe and describe what plants need to grow.</p> <p>Classroom gardens</p>
<p>June</p>	<p>End of year activities</p>	<p>End of year activities</p>	<p>End of year activities</p>	<p>End of year activities</p>