

# Grade PK – Science Pacing Calendar

\*\*\* Use Amplify Science resources \*\*\*

[Newsela: Seasonal STEAM Projects](#)

(Grade PK)	Week 1	Week 2	Week 3	Week 4
<b>September</b>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS1-1 – Differentiate between the properties of objects and materials.</p> <p><b>What is Matter?</b></p>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS1-1 – Differentiate between the properties of objects and materials.</p> <p><b>Solids</b></p>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS1-1 – Differentiate between the properties of objects and materials.</p> <p><b>Liquids</b></p>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS1-1 – Differentiate between the properties of objects and materials.</p> <p><b>STEM Activity:</b> Kinds of Matter</p>
<b>October</b>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS2-1 – Investigate the effects of different strengths or directions of pushes and pulls.</p> <p><b>Forces: Pushes and Pulls</b></p>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS2-1 – Investigate the effects of different strengths or directions of pushes and pulls.</p> <p><b>STEM Activity:</b> Pushes + Pulls</p>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS4-1 – Explore and describe different sounds.</p> <p><b>Sound</b></p>	<p><b>Physical Sciences</b>  <b>Standard:</b> P-PS4-1 – Explore and describe different sounds.</p> <p><b>STEM Activity:</b> Senses and sound</p>
<b>November</b>	<p><b>Earth + Space Sciences</b>  <b>Standard:</b> P-ESS1-1 – Observe the sun and moon to describe predictable patterns.</p> <p><b>The Sun</b></p>	<p><b>STEM Night</b>  <b>November 13, 2025</b></p> <p><b>Earth + Space Sciences</b>  <b>Standard:</b> P-ESS1-1 – Observe the sun and moon to describe predictable patterns.</p> <p><b>The Moon</b></p>	<p><b>Earth + Space Sciences</b>  <b>Standard:</b> P-ESS1-1 – Observe the sun and moon to describe predictable patterns.</p> <p><b>Stars</b></p> <p><b>STEM Activity:</b> Observing the sun moon, and stars</p>	<p><b>Earth + Space Sciences</b>  <b>Standard:</b> P-ESS3-1 – Understand how sunlight affects the Earth's surface.</p> <p><b>The effects of sunlight on Earth's surface</b></p> <p><b>STEM Activity:</b> Effects of sunlight on earth's surface</p>
<b>December</b>	<p><b>Earth + Space Sciences</b>  <b>Standard:</b> P-ESS2-1 – Observe and describe weather conditions.</p> <p><b>Weather</b></p>	<p><b>Earth + Space Science</b>  <b>Standard:</b> P-ESS2-1 – Observe and describe weather conditions.</p> <p><b>STEM Activity:</b> Weather patterns</p>	<p><b>Earth + Space Science</b>  <b>Standard:</b> P-ESS2-1 – Observe and describe weather conditions.</p> <p><b>Meet a Weather Forecaster</b></p>	<p><b>Holiday Recess</b>  <b>School Closed</b></p>

# Grade PK – Science Pacing Calendar

(Grade PK)	Week 1	Week 2	Week 3	Week 4
<b>January</b>	<b>Holiday Recess</b> <b>School Closed</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants and animals need to survive  <b>What do plants and animals need to survive?</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants and animals need to survive  <b>STEM Activity:</b> Plant needs and growth	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants and animals need to survive  <b>STEM Activity:</b> What do animals need to live?
<b>February</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS3-1 – Observe and describe how plants and animals are similar to, but not exactly like, their parents.  <b>Compare + Contrast:</b> How are plants and animals similar to their parents? (Inherited traits)	<b>Life Sciences</b> <b>Standard:</b> P-LS3-1 – Observe and describe how plants and animals are similar to, but not exactly like, their parents.  <b>Compare + Contrast:</b> How am I similar and different from my parents?	<b>Winter Recess</b> <b>School Closed</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants and animals need to survive.  <b>Classroom flower garden:</b> <b>Planting seeds</b>
<b>March</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants need to grow.  <b>Plant data</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants need to grow.  <b>Plant data</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants need to grow.  <b>Plant data</b>	<b>Introduction to:</b> <b>EARTH DAY</b>  Discuss how you can use household items and repurpose into a planter
<b>April</b>	<b>EARTH DAY PROJECTS</b>  Bring in your item and decorate your planter	<b>Spring Recess</b> <b>School Closed</b>	<b>EARTH DAY PROJECTS</b>  <b>April 22, 2026</b> <b>Earth Day celebration</b>  Recycled Planters	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants need to grow  <b>Planting seeds</b>
<b>May</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants need to grow.  <b>Transferring our plants into our decorated pots</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe what plants need to grow.  <b>Mother’s Day Plant Presentations</b>  <b>STEM Night</b> <b>May 19, 2025</b>	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe characteristics of living things. <b>Standard:</b> P-LS1-2 – Distinguish between living and non-living things.	<b>Life Sciences</b> <b>Standard:</b> P-LS1-1 – Observe and describe characteristics of living things. <b>Standard:</b> P-LS1-2 – Distinguish between living and non-living things.  <b>STEM Activity:</b>

# Grade PK – Science Pacing Calendar

(Grade PK)	Week 1	Week 2	Week 3	Week 4
		Toddle reflections		Living vs non-living
<b>June</b>	End of year activities	End of year activities	End of year activities	End of year activities

## Lesson features:

- Lesson theme/standard
- Phenomenon
- Hands-on activity
- Daily routine
- Activity Rubric (SC)
- Formative + Summative assessment

# Grade PK – Science Pacing Calendar

## Weekly Science Schedule

Use this layout to integrate science exploration throughout the school day

<b>Time</b>	<b>Activity</b>	<b>Description</b>
Morning Circle	Phenomenon Chat	Show a daily photo/video/object related to the science topic. Ask open-ended questions: <ul style="list-style-type: none"><li>• What do you notice?</li><li>• What do you wonder?</li></ul>
Science Table	Observation Station	Each week, rotate items: weather tools, magnifying glasses, solids/liquids jars, growing plants, etc
Read-Aloud	Science Book	Read stories related to the weekly science focus/theme.
Movement Break	Science Song or Dance	Theme songs or games like 'Push & Pull'.
Closing Circle	Reflection Share-Out	Children recall and share discoveries or model (draw) observations. Ask open-ended questions: <ul style="list-style-type: none"><li>• What did we discover?</li></ul>