

**Spiral Review:** Students should engage daily in the [Science and Engineering Practices](#) -the Science and Engineering Practices are designed to develop students' deeper understanding of science by engaging in the actual work of science and engineering **and** identify the [Crosscutting Concepts](#) - bridge disciplinary boundaries, uniting core ideas throughout the fields of science and engineering.

## 2021-2022 First Grade Science Curriculum Map

The suggested instructional pacing schedule is approximate and can be adjusted; however, the sequence of instruction should not be altered. Teachers should adhere to the guide as closely as possible. **Note: The Review Unit and Pre-Unit Review Buffers have been included to provide additional learning supports.**

### First Semester

#### 1<sup>st</sup> Nine Weeks

Unit 0 Think Like a Scientist	Unit 1 Weather	Buffer
Lab Safety  Science and Engineering Fair	<b>Priority Standards</b> S1E1a S1E1c S1E1d <b>Supporting Standard</b> S1E1b	<b>Priority Standards</b> S1E1a S1E1c S1E1d
<b>10 days</b>	<b>6.5 weeks (32 days)</b>	<b>3 days</b>
<b>Big Ideas</b> <ul style="list-style-type: none"> <li>• <b>Proper</b> lab safety procedures</li> <li>• Science and Engineering Fair</li> </ul>	<b>Big Ideas</b> <ul style="list-style-type: none"> <li>• Types of weather (Forms of precipitation)</li> <li>• Measuring weather</li> </ul> <b>Science and Engineering Practices</b> <ul style="list-style-type: none"> <li>• Obtaining, evaluating and communicating information</li> <li>• Construct explanations and designing solutions</li> <li>• Planning and carrying out investigations</li> <li>• Asking questions and defining problems</li> <li>• Developing and using models</li> </ul> <b>Crosscutting Concepts</b> <ul style="list-style-type: none"> <li>• Patterns</li> <li>• Cause and Effect</li> <li>• System and systems model</li> </ul>	<b>Assessment Remediation Enrichment</b>

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### First Semester

#### 2<sup>nd</sup> Nine Weeks

Pre-Unit 2 Review Buffer	Unit 2 Needs of Living Things (Plants and Animals)	Buffer
<p><b>Prerequisite Standards</b> <a href="#">SKL1a</a> <a href="#">SKL2a</a> <a href="#">SKL2b</a></p>	<p><b>Priority Standards</b> S1L1b S1L1c <b>Supporting Standard</b> S1L1a</p>	<p><b>Priority Standards</b> S1L1b S1L1c</p>
<p><b>3 days</b></p>	<p><b>7.5 weeks (39 days)</b></p>	<p><b>3 days</b></p>
<p><b>Big Ideas</b></p> <ul style="list-style-type: none"> <li>Organisms vs non-living objects</li> <li>Similarities and differences in groups of organisms</li> </ul>	<p><b>Big Ideas</b></p> <ul style="list-style-type: none"> <li>Parts of a plant</li> <li>Basic needs of plants and animals</li> </ul> <p><b>Science and Engineering Practices</b></p> <ul style="list-style-type: none"> <li>Obtaining, evaluating and communicating information</li> <li>Construct explanations and designing solutions</li> <li>Asking questions and defining problems</li> <li>Developing and using models</li> </ul> <p><b>Crosscutting Concepts</b></p> <ul style="list-style-type: none"> <li>Patterns</li> <li>Cause and Effect</li> <li>System and systems model</li> </ul>	<p><b>Assessment Remediation Enrichment</b></p>

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### Second Semester

#### 3<sup>rd</sup> Nine Weeks

Pre-Unit 3 Review Buffer	Unit 3 Light and Sound	Buffer
<b>Spiral Review</b>	<b>Priority Standards</b> S1P1c S1P1d <b>Supporting Standards</b> S1P1a S1P1b S1P1e	<b>Priority Standards</b> S1P1c S1P1d
<b>3 days</b>	<b>7.5 weeks (38 days)</b>	<b>3 days</b>
<b>Big Ideas</b> <ul style="list-style-type: none"> <li>Weather</li> <li>Needs of plants and animals</li> </ul>	<b>Big Ideas</b> <ul style="list-style-type: none"> <li>Light</li> <li>Sound</li> </ul> <b>Science and Engineering Practices</b> <ul style="list-style-type: none"> <li>Obtaining, evaluating and communicating information</li> <li>Planning and carrying out investigations</li> <li>Asking questions and defining problems</li> <li>Developing and using models</li> </ul> <b>Crosscutting Concepts</b> <ul style="list-style-type: none"> <li>Patterns</li> <li>Cause and Effect</li> <li>Energy and Matter</li> </ul>	<b>Assessment Remediation Enrichment</b>

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### Second Semester

#### 4<sup>th</sup> Nine Weeks

Pre-Unit 4 Review Buffer	Unit 4 Magnets	Buffer
<p><b>Prerequisite Standards</b></p> <p><a href="#">SKP2a</a></p> <p><a href="#">SKP2b</a></p>	<p><b>Priority Standard</b></p> <p>S1P2b</p> <p><b>Supporting Standard</b></p> <p>S1P2a</p>	<p><b>Priority Standard</b></p> <p>S1P2b</p>
3 days	8 weeks (40 days)	3 days
<p><b>Big Idea</b></p> <ul style="list-style-type: none"> <li>Compare and describe different types of motion</li> </ul>	<p><b>Big Idea</b></p> <ul style="list-style-type: none"> <li>Magnets</li> </ul> <p><b>Science and Engineering Practices</b></p> <ul style="list-style-type: none"> <li>Obtaining, evaluating and communicating information</li> <li>Construct explanations and designing solutions</li> <li>Planning and carrying out investigations</li> <li>Asking questions and defining problems</li> <li>Developing and using models</li> </ul> <p><b>Crosscutting Concepts</b></p> <ul style="list-style-type: none"> <li>Patterns</li> <li>Cause and Effect</li> <li>Energy and Matter</li> </ul>	<p><b>Assessment Remediation Enrichment</b></p>

