

# Grade 1 Science Pacing Guide 2022-2023

\*NOTE: This guide identifies an APPROXIMATE place at which teachers should be in their instruction. Individual pace **MAY VARY** according to student supports and needs.

\*Mandatory labs identified are required for understanding the topic and must be included during science instructional time on a weekly basis.

## Quarter 1

Date	Grade 1 Topics (topic guides are linked)	Mandatory Science Labs
<b>Week 1</b> 9.05.22 – 9.09.22* <b>*9.05.22 - Labor Day</b>	Establish Classroom Routines Overview of Class Structure	
<b>Week 2</b> 9.12.22 – 9.16.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 1 – Sound</a>	Topic 1 Opener: <i>u</i> Connect Lab – How can a ruler make sound?
<b>Week 3</b> 9.19.22 – 9.23.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 1 – Sound</a>	Lesson 1: <i>u</i> Investigate Lab - How does size affect sound?
<b>Week 4</b> 9.26.22- 9.30.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 1 – Sound</a>	Lesson 2: <i>u</i> Investigate Lab - How can you see sound?
<b>Week 5</b> 10.03.22 – 10.07.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 1 – Sound</a>	Lesson 3: <i>u</i> Investigate Lab– What does that sound say?
<b>Week 6</b> 10.10.22 – 10.14.22* <b>*10.10.22 - Indigenous Peoples' and Italian-Heritage Day</b>	<b>Unit 1 – Physical Science</b> <a href="#">Topic 1 – Sound</a>	Lesson 3: Quest Check-In Lab– How can an instrument send a secret?
<b>Week 7</b> 10.17.22 – 10.21.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 2 – Light</a>	Topic 2 Opener: <i>u</i> Connect Lab – What do you need to see objects?
<b>Week 8</b> 10.24.22 – 10.28.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 2 – Light</a>	Lesson 1: <i>u</i> Investigate Lab - What happens when an object blocks light?
<b>Week 9</b> 10.31.22 – 11.04.22	<b>Unit 1 – Physical Science</b> <a href="#">Topic 2 – Light</a>	Lesson 1: Quest Check-In - Give off Light
<b>Week 10</b> 11.07.22 – 11.11.22* <b>*11.08.22 - Election Day</b> <b>*11.11.22 – Veterans Day</b>	<b>Unit 1 – Physical Science</b> <a href="#">Topic 2 – Light</a>	

[Sample Grade 1 Lab Activity Lesson Plan](#)- Use this lesson as an example of how to break up a 30-minute hands-on activity from 1 to 2 days.

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## Quarter 2

Date	Grade 1 Topics (topic guides are linked)	Mandatory Science Labs
<b>Week 11</b> 11.14.22– 11.18.22	Unit 1 – Physical Science <a href="#">Topic 2 – Light</a>	Lesson 2: <i>u</i> Investigate Lab - How do materials affect light?
<b>Week 12</b> 11.21.22 – 11.25.22* <b>*11.24.22-11.25.22</b> <b>Thanksgiving Recess</b>	Unit 1 – Physical Science <a href="#">Topic 2 – Light</a>	Lesson 3: <i>u</i> Investigate Lab - How can you use light to see?
<b>Week 13</b> 11.28.22 – 12.02.22	Unit 1 – Physical Science <a href="#">Topic 2 – Light</a>	Lesson 3: Quest Check-In - How can you send secret messages?
<b>Week 14</b> 12.05.22 – 12.09.22	Unit 2 – Earth and Space Science <a href="#">Topic 3 - Sky and Earth</a>	Topic 3 Opener: <i>u</i> Connect Lab – Which way will it point?
<b>Week 15</b> 12.12.22 – 12.16.22	Unit 2 – Earth and Space Science <a href="#">Topic 3 – Sky and Earth</a>	
<b>Week 16</b> 12.19.22 – 12.23.22* <b>*12.26.22-1.02.23</b> <b>Winter Recess</b>	Unit 2 – Earth and Space Science <a href="#">Topic 3 - Sky and Earth</a>	Lesson 1: <i>u</i> Investigate Lab – Why is it hard to see stars during the day?
<b>Week 17</b> 1.03.23 – 1.06.23* <b>*1.02.23 Winter Recess</b>	Unit 2 – Earth and Space Science <a href="#">Topic 3 - Sky and Earth</a>	
<b>Week 18</b> 1.09.23 – 1.13.23	Unit 2 – Earth and Space Science <a href="#">Topic 3 – Sky and Earth</a>	Lesson 2: <i>u</i> Investigate Lab – How can you observe sun patterns?
<b>Week 19</b> 1.16.23 – 1.20.23* <b>*1.16.2023 MLK Jr. Day</b>	Unit 2 – Earth and Space Science <a href="#">Topic 3 – Sky and Earth</a>	Lesson 3: <i>u</i> Investigate Lab – How does the sun cause seasons?
<b>Week 20</b> 1.23.23 – 1.27.23	Unit 2 – Earth and Space Science <a href="#">Topic 3 – Sky and Earth</a>	Lesson 3: Quest Check-In Lab – How can you model the motions of Earth?

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## Quarter 3

Date	Grade 1 Topics (topic guides are linked)	Mandatory Science Labs
<b>Week 21</b> 1.30.23 – 2.03.23	Unit 2 – Earth and Space Science <a href="#">Topic 4 – Weather and Seasons</a>	Topic 4 Opener: <i>uConnect</i> Lab – What is it like outside today?
<b>Week 22</b> 2.06.23 – 2.10.23	Unit 2 – Earth and Space Science <a href="#">Topic 4 – Weather and Seasons</a>	
<b>Week 23</b> 2.13.23 – 2.17.23	Unit 2 – Earth and Space Science <a href="#">Topic 4 – Weather and Seasons</a>	Lesson 1: <i>uInvestigate</i> Lab – Which way is the wind blowing?
<b>*Mid-Winter Recess</b> <b>2.20.23 – 2.24.23</b>		
<b>Week 24</b> 2.27.23 – 3.03.23	Unit 2 – Earth and Space Science <a href="#">Topic 4 – Weather and Seasons</a>	Lesson 2: <i>uInvestigate</i> Lab – How can you make it rain?
<b>Week 25</b> 3.06.23 – 3.10.23	Unit 2 – Earth and Space Science <a href="#">Topic 4 – Weather and Seasons</a>	
<b>Week 26</b> 3.13.23 – 3.17.23	Unit 3 – Life Science <a href="#">Topic 4 – Weather and Seasons</a>	Lesson 2: Quest Check-In Lab – How does the season affect the amount of daylight?
<b>Week 27</b> 3.20.23 – 3.24.23	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	Topic 5 Opener: <i>uConnect</i> Lab – How can you make a model of a plant?
<b>Week 28</b> 3.27.23 – 3.31.23	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	Lesson 1: <i>uInvestigate</i> Lab – What do the parts of a plant look like?
<b>*Spring Recess</b> <b>4.03.23-4.07.23</b>		
<b>Week 29</b> 4.10.23 – 4.14.23	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	Lesson 2: <i>uInvestigate</i> Lab – How do whiskers help a cat?
<b>Week 30</b> 4.17.23 – 4.21.23	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	Lesson 3: <i>uInvestigate</i> Lab – What can people learn from an acorn shell?

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## Quarter 4

Date	Grade 1 Topics (topic guides are linked)	Mandatory Science Labs
<b>Week 31</b> 4.24.23 – 4.28.23* *4.26.23 – Early Release Day *4.27.23 – Superintendent Conference Day	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	
<b>Week 32</b> 5.01.23 – 5.05.23	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	Lesson 4: <i>u</i> Investigate Lab – What happens to a water plant out of water?
<b>Week 33</b> 5.08.23 - 5.12.23* *5.10.23 – Early Release Day *5.11.23 – Superintendent Conference Day	Unit 3 – Life Science <a href="#">Topic 5 – Living Things</a>	Lesson 4: Quest Check-In Lab – How do snowshoe hares stay safe?
<b>Week 34</b> 5.15.23 – 5.19.23	Unit 3 – Life Science <a href="#">Topic 6 – Parents and Offspring</a>	Topic 6 Opener: <i>u</i> Connect Lab – Which mouse is longer?
<b>Week 35</b> 5.22.23 – 5.26.23	Unit 3 – Life Science <a href="#">Topic 6 – Parents and Offspring</a>	Lesson 1: <i>u</i> Investigate Lab – How do plants grow and change?
<b>Week 36</b> 5.29.23– 6.02.23* *5.29.2023 – Memorial Day	Unit 3 – Life Science <a href="#">Topic 6 – Parents and Offspring</a>	Lesson 1: Quest Check-In Lab – How are the life cycles alike and different?
<b>Week 37</b> 6.05.23– 6.09.23	Unit 3 – Life Science <a href="#">Topic 6 – Parents and Offspring</a>	Lesson 2: <i>u</i> Investigate Lab – What do young plants look like?
<b>Week 38</b> 6.12.23 – 6.16.23	Unit 3 – Life Science <a href="#">Topic 6 – Parents and Offspring</a>	Lesson 3: <i>u</i> Investigate Lab – How do nests protect eggs?
<b>Week 39</b> 6.19.23 – 6.23.23* *6.19.23 – Juneteenth Holiday *6.23.23 – Rating Day/SCD	Unit 3 – Life Science <a href="#">Topic 6 – Parents and Offspring</a>	