

Grade K 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 K Topics (topic guides are linked)	Mandatory Science Labs
Week 1 9.05.22 – 9.09.22* *9.05.22 - Labor Day	Establish Classroom Routines Overview of Class Structure	
Week 2 9.12.22 – 9.16.22	Unit 1 – Physical Science Topic 1 – Pushes and Pulls	
Week 3 9.19.22 – 9.23.22	Unit 1 – Physical Science Topic 1 – Pushes and Pulls	Lesson 1: <i>u</i> Investigate Lab- How can we make objects move?
Week 4 9.26.22- 9.30.22	Unit 1 – Physical Science Topic 1 – Pushes and Pulls	Lesson 2: <i>u</i> Investigate Lab - How do objects move?
Week 5 10.03.22 – 10.07.22	Unit 1 – Physical Science Topic 1 – Pushes and Pulls	Lesson 3: <i>u</i> Investigate Lab – How do you roll?
Week 6 10.10.22 – 10.14.22* *10.10.22 - Indigenous Peoples' and Italian-Heritage Day	Unit 1 – Physical Science Topic 1 – Pushes and Pulls Topic 2 – Matter	Lesson 3: Quest Check-in – How does wind move my sail car?
Week 7 10.17.22 – 10.21.22	Unit 1 – Physical Science Topic 2 – Matter	Topic 2 Opener: <i>u</i> Connect Lab - What is the object?
Week 8 10.24.22 – 10.28.22	Unit 1 – Physical Science Topic 2 – Matter	Lesson 1: <i>u</i> Investigate Lab- How does it feel?
Week 9 10.31.22 – 11.04.22	Unit 1 – Physical Science Topic 2 – Matter	
Week 10 11.07.22 – 11.11.22* *11.08.22 - Election Day *11.11.22 – Veterans Day	Unit 1 – Physical Science Topic 2 – Matter	Lesson 2: <i>u</i> Investigate Lab - How are objects the same?

[Sample Grade K 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

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Week 11 11.14.22– 11.18.22	Unit 1 – Physical Science Topic 2 – Matter	
Week 12 11.21.22 – 11.25.22* *11.24.22-11.25.22 Thanksgiving Recess	Unit 1 – Physical Science Topic 2 – Matter	Lesson 3: <i>u</i> Investigate Lab – What can you observe about water?
Week 13 11.28.22 – 12.02.22	Unit 1 – Physical Science Topic 2 – Matter Unit 2 – Earth and Space Science Topic 3 - Sunlight	Topic 2 Lesson 3: Quest Check-in – How will you sort solids, liquids, and gases?
Week 14 12.05.22 – 12.09.22	Unit 2 – Earth and Space Science Topic 3 - Sunlight	
Week 15 12.12.22 – 12.16.22	Unit 2 – Earth and Space Science Topic 3 – Sunlight	Lesson 1: <i>u</i> Investigate Lab - What can the Sun do?
Week 16 12.19.22 – 12.23.22* *12.26.22-1.02.23 Winter Recess	Unit 2 – Earth and Space Science Topic 3 - Sunlight	Lesson 2: <i>u</i> Investigate Lab – Which objects change in the Sun?
Week 17 1.03.23 – 1.06.23* *1.02.23 Winter Recess	Unit 2 – Earth and Space Science Topic 3 - Sunlight	Lesson 2: Quest Check-In Lab – Which material makes the best roof?
Week 18 1.09.23 – 1.13.23	Unit 2 – Earth and Space Science Topic 3 – Sunlight Topic 4 – Earth’s Weather	Topic 4 Opener: <i>u</i> Connect Lab – How does the weather change during the day?
Week 19 1.16.23 – 1.20.23* *1.16.2023 MLK Jr. Day	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather	
Week 20 1.23.23 – 1.27.23	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather	Lesson 1: <i>u</i> Investigate Lab – How can you make it rain?

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Quarter 3

Date	Grade K Topics (topic guides are linked)	Mandatory Science Labs
Week 21 1.30.23 – 2.03.23	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather	Lesson 2: <i>u</i> Investigate Lab – How can you collect rain?
Week 22 2.06.23 – 2.10.23	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather	Lesson 2: Quest Check In – Predict the Weather
Week 23 2.13.23 – 2.17.23	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather	Lesson 3: <i>u</i> Investigate Lab – What is the weather like in different seasons?
*Mid-Winter Recess 2.20.23 – 2.24.23		
Week 24 2.27.23 – 3.03.23	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather	Lesson 4: <i>u</i> Investigate Lab – What does a storm look like?
Week 25 3.06.23 – 3.10.23	Unit 2 – Earth and Space Science Topic 4 – Earth’s Weather Unit 3 – Life Science Topic 5 – Needs of Living Things	Topic 5 Opener: <i>u</i> Connect Lab – What if plants do not get what they need?
Week 26 3.13.23 – 3.17.23	Unit 3 – Life Science Topic 5 – Needs of Living Things	Lesson 1: <i>u</i> Investigate Lab – How do plants get water?
Week 27 3.20.23 – 3.24.23	Unit 3 – Life Science Topic 5 – Needs of Living Things	
Week 28 3.27.23 – 3.31.23	Unit 3 – Life Science Topic 5 – Needs of Living Things	Lesson 2: <i>u</i> Investigate Lab – What feet do the best job?
*Spring Recess 4.03.23-4.07.23		
Week 29 4.10.23 – 4.14.23	Unit 3 – Life Science Topic 5 – Needs of Living Things	Lesson 3: <i>u</i> Investigate Lab – What should you wear?
Week 30 4.17.23 – 4.21.23	Unit 3 – Life Science Topic 5 – Needs of Living Things	Lesson 4: <i>u</i> Investigate Lab – How does a plant grow and change?

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Quarter 4

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Week 31 4.24.23 – 4.28.23* *4.26.23 – Early Release Day *4.27.23 – Superintendent Conference Day	Unit 3 – Life Science Topic 5 – Needs of Living Things	Lesson 4: Quest Check-In – How do Caterpillars Change?
Week 32 5.01.23 – 5.05.23	Unit 3 – Life Science Topic 5 – Needs of Living Things Topic 6 - Environments	Topic 6 Opener: <i>u</i> Connect Lab – How does a plant make a change to the place where it lives?
Week 33 5.08.23 - 5.12.23* *5.10.23 – Early Release Day *5.11.23 – Superintendent Conference Day	Unit 3 – Life Science Topic 6 - Environments	Lesson 1: <i>u</i> Investigate Lab – Who lives here?
Week 34 5.15.23 – 5.19.23	Unit 3 – Life Science Topic 6 - Environments	
Week 35 5.22.23 – 5.26.23	Unit 3 – Life Science Topic 6 - Environments	Lesson 2: <i>u</i> Investigate Lab – How do squirrels change the land?
Week 36 5.29.23– 6.02.23* *5.29.2023 – Memorial Day	Unit 3 – Life Science Topic 6 - Environments	Lesson 3: <i>u</i> Investigate Lab – How can you model changing the environment?
Week 37 6.05.23– 6.09.23	Unit 3 – Life Science Topic 6 - Environments	Lesson 3: Quest Check-In – How can people change the land?
Week 38 6.12.23 – 6.16.23	Unit 3 – Life Science Topic 6 - Environments	Lesson 4: <i>u</i> Investigate Lab – How can you make something useful?
Week 39 6.19.23 – 6.23.23* *6.19.23 – Juneteenth Holiday *6.23.23 – Rating Day/SCD	Unit 3 – Life Science Topic 6 - Environments	Lesson 4: Quest Check-In Lab– How can we save our trails?