

Grade 3 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 3 Topics (topic guides are linked) Grade 3 CLRI Connections (book information is 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 – Motion and Force	Topic 1 Opener: <i>uConnect</i> Lab – How do things move?
Week 3 9.19.22 – 9.23.22	Unit 1 – Physical Science Topic 1 – Motion and Force	Lesson 1: <i>uInvestigate</i> Lab – How fast can it move?
Week 4 9.26.22- 9.30.22	Unit 1 – Physical Science Topic 1 – Motion and Force	Lesson 2: <i>uInvestigate</i> Lab – How can you describe the motion of an object?
Week 5 10.03.22 – 10.07.22	Unit 1 – Physical Science Topic 1 – Motion and Force	Lesson 3: <i>uInvestigate</i> Lab– What makes it move?
Week 6 10.10.22 – 10.14.22* *10.10.22 - Indigenous Peoples’ & Italian-Heritage Day	Unit 1 – Physical Science Topic 1 – Motion and Force	Lesson 4: <i>uInvestigate</i> Lab– How can you hold up an object?
Week 7 10.17.22 – 10.21.22	Unit 1 – Physical Science Topic 1 – Motion and Force Topic 1 Enrichment: “Fly, Girl, Fly! Shaesta Waiz Soars Around the World” by Nancy Roe Pimm Topic 1 Enrichment: “Interstellar Cinderella” by Deborah Underwood Topic 1 Enrichment: “Look Up with Me – Neil DeGrasse Tyson: A Life Among the Stars” by Jennifer Berne	Topic 1 Lesson 4: Quest Check-In Lab – How can you control your flippers?
Week 8 10.24.22 – 10.28.22	Unit 1 – Physical Science Topic 2 – Electricity and Magnetism	Topic 2 Opener: <i>uConnect</i> Lab – How can you move objects without touching them?
Week 9 10.31.22 – 11.04.22	Unit 1 – Physical Science Topic 2 – Electricity and Magnetism	Lesson 1: <i>uInvestigate</i> Lab – How can you keep objects in the air?
Week 10 11.07.22 – 11.11.22* *11.08.22 - Election Day *11.11.22 – Veterans Day	Unit 1 – Physical Science Topic 2 – Electricity and Magnetism	Lesson 2: <i>uInvestigate</i> Lab – How can you make a magnet?

[Sample Grade 3 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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Week 11 11.14.22– 11.18.22	Unit 1 – Physical Science Topic 2 – Electricity and Magnetism	Lesson 2: Quest Check-In Lab – How can magnets sort objects by weight?
Week 12 11.21.22 – 11.25.22* *11.24.22-11.25.22 Thanksgiving Recess	Unit 2 – Earth and Space Science Topic 3 - Weather	Topic 3 Opener: <i>u</i> Connect Lab – How can temperature damage a house?
Week 13 11.28.22 – 12.02.22	Unit 2 – Earth and Space Science Topic 3 - Weather	Lesson 1: Quest Check-In – Rainy Weather is Coming
Week 14 12.05.22 – 12.09.22	Unit 2 – Earth and Space Science Topic 3 - Weather	Lesson 2: <i>u</i> Investigate Lab – When is the air dry?
Week 15 12.12.22 – 12.16.22	Unit 2 – Earth and Space Science Topic 3 - Weather	Lesson 2: Quest Check-In – A Roof for All Seasons
Week 16 12.19.22 – 12.23.22* *12.26.22-1.02.23 Winter Recess	Unit 2 – Earth and Space Science Topic 3 - Weather	Lesson 3: <i>u</i> Investigate Lab – How can you stop a flood?
Week 17 1.03.23 – 1.06.23* *1.02.23 Winter Recess	Unit 2 – Earth and Space Science Topic 3 - Weather	Lesson 3: Quest Check-In Lab – How can a roof be improved?
Week 18 1.09.23 – 1.13.23	Unit 2 – Earth and Space Science Topic 4 - Climate	Lesson 1: <i>u</i> Investigate Lab – How does the Sun’s radiation vary on Earth’s surface?
Week 19 1.16.23 – 1.20.23* *1.16.2023 MLK Jr. Day	Unit 2 – Earth and Space Science Topic 4 - Climate	Lesson 1: <i>u</i> Be a Scientist – Evaporation Investigation
Week 20 1.23.23 – 1.27.23	Unit 2 – Earth and Space Science Topic 4 - Climate	Lesson 2: <i>u</i> Investigate Lab – What do tree rings show?

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Week 21 1.30.23 – 2.03.23	Unit 2 – Earth and Space Science Topic 4 - Climate	Lesson 2: Quest Check In-How do changing glaciers show climate change?
Week 22 2.06.23 – 2.10.23	Unit 2 – Earth and Space Science Topic 4 - Climate	Lesson 3: <i>u</i> Investigate Lab – How do mountains affect climate?
Week 23 2.13.23 – 2.17.23	Unit 2 – Earth and Space Science Topic 4 - Climate	Lesson 3: <i>u</i> Be a Scientist – Compare Mini Climates
*Mid-Winter Recess 2.20.23 – 2.24.23		
Week 24 2.27.23 – 3.03.23	Unit 3 – Life Science Topic 5 – Life Cycles and Traits	Topic 5 Opener: <i>u</i> Connect Lab – Which seeds are from which plant?
Week 25 3.06.23 – 3.10.23	Unit 3 – Life Science Topic 5 – Life Cycles and Traits	Lesson 1: <i>u</i> Be a Scientist – Observing Growth
Week 26 3.13.23 – 3.17.23	Unit 3 – Life Science Topic 5 – Life Cycles and Traits	Lesson 2: <i>u</i> Investigate Lab – How do offspring compare to their parents?
Week 27 3.20.23 – 3.24.23	Unit 3 – Life Science Topic 5 – Life Cycles and Traits	Lesson 2: <i>u</i> Be a Scientist – Inherited Traits
Week 28 3.27.23 – 3.31.23	Unit 3 – Life Science Topic 5 – Life Cycles and Traits	Lesson 3: <i>u</i> Investigate Lab – How can the environment affect an organism?
*Spring Recess 4.03.23-4.07.23		
Week 29 4.10.23 – 4.14.23	Unit 3 – Life Science Topic 5 – Life Cycles and Traits Topic 5 Enrichment: “Summer Birds: The Butterflies of Maria Merian” by Margarita Engle Topic 5 Enrichment: “If Sharks Disappeared” by Lily Williams	Lesson 3: Quest Check-In – Set the Scene
Week 30 4.17.23 – 4.21.23	Unit 3 – Life Science Topic 6 – Adaptations and Survival	Topic 6 Opener: <i>u</i> Connect Lab – What clues do beak shapes give about birds?

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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 6 – Adaptations and Survival	Lesson 1: <i>u</i> Investigate Lab – How do sea lions stay warm in cold waters?
Week 32 5.01.23 – 5.05.23	Unit 3 – Life Science Topic 6 – Adaptations and Survival	Lesson 1: Quest Check-In Lab – How are living things suited to their habitats?
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 – Adaptations and Survival Topic 6 Lesson 2: “Bird Count” by Susan Edwards Richmond	Lesson 2: <i>u</i> Investigate Lab – How do some birds fly so far?
Week 34 5.15.23 – 5.19.23	Unit 3 – Life Science Topic 6 – Adaptations and Survival	Lesson 3: <i>u</i> Investigate Lab – How will sea levels affect tigers?
Week 35 5.22.23 – 5.26.23	Unit 3 – Life Science Topic 6 – Adaptations and Survival Topic 6 Enrichment: “Coral Reefs” by Jason Chin	
Week 36 5.29.23– 6.02.23* *5.29.2023 – Memorial Day	Unit 3 – Life Science Topic 7 – Fossil Evidence	Lesson 1: <i>u</i> Investigate Lab – How do minerals help form fossils?
Week 37 6.05.23– 6.09.23	Unit 3 – Life Science Topic 7 – Fossil Evidence	Lesson 1: <i>u</i> Be a Scientist – Make a Fossil
Week 38 6.12.23 – 6.16.23	Unit 3 – Life Science Topic 7 – Fossil Evidence	Lesson 2: <i>u</i> Investigate Lab – What can fossil footprints tell you about an animal?
Week 39 6.19.23 – 6.23.23* *6.19.23 – Juneteenth Holiday *6.23.23 – Rating Day/SCD	Unit 3 – Life Science Topic 7 – Fossil Evidence	Lesson 3: <i>u</i> Investigate Lab – How can you use evidence to infer climate change?

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