

Topics in Biology – Climate 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**

Quarter 1

Date	Topics in Biology – Climate Science
Week 1 9.6.22 - 9.9.22	Course Introduction Syllabus School based classroom initiatives for the start of school
Week 2 9.12.22 - 9.16.22	Unit 1 – Earth’s Energy Balance <ul style="list-style-type: none">Lesson - Weather and Climate*
Week 3 9.19.22 - 9.23.22	Unit 1 – Earth’s Energy Balance <ul style="list-style-type: none">Lesson - Carbon Through the Seasons
Week 4 9.26.22 - 9.30.22	Unit 1 – Earth’s Energy Balance <ul style="list-style-type: none">Lesson - Tree Rings - Living Records of ClimateLesson - Trees – Recorders of Climate Change Extension
Week 5 10.3.22 - 10.7.22	Unit 1 – Earth’s Energy Balance <ul style="list-style-type: none">Lesson - Earths Energy Balance
Week 6 10.11.22 - 10.14.22* * 10.10.21 – Indigenous Peoples’/Italian-Heritage Day	Unit 2 – Climate Change <ul style="list-style-type: none">Lesson - Exploring Climate Change
Week 7 10.17.22 - 10.21.22	Unit 2 – Climate Change <ul style="list-style-type: none">Lesson - Getting to the Core
Week 8 10.24.22 - 10.28.22	Unit 2 – Climate Change <ul style="list-style-type: none">Lesson - Greenhouse Effect
Week 9 10.31.22 - 11.04.22	Unit 2 – Climate Change <ul style="list-style-type: none">Lesson - Greenhouse Effect

***Each lesson in the Topics in Biology – Climate Science Course is designed take from three 45 minute class periods up to ten 45 minute class periods. Detailed information is found in the Topics in Biology – Climate Science Unit Curriculum guides and in each specific lesson.**

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Quarter 2

Date	Topics In Biology – Climate Science
Week 10 11.7.22 - 11.10.22* *11.8.2022 – Election Day *11.11.2022 – Veterans Day	Unit 2 – Climate Change <ul style="list-style-type: none"> • Lesson - CSI – How has Concentration of Atmospheric Carbon Dioxide Changed Since the Industrial Revolution
Week 11 11.14.22 - 11.18.22	Unit 3- Impact of Climate Change <ul style="list-style-type: none"> • Lesson - Climate Change Impacts on the Water Cycle
Week 12 11.21.22 - 11.23.22 *11.24.2022 – 11.25.2022 Thanksgiving Recess	Unit 3- Impact of Climate Change <ul style="list-style-type: none"> • Lesson - Climate Change Impacts on the Water Cycle
Week 13 11.28.22 - 12.2.22	Unit 3- Impact of Climate Change <ul style="list-style-type: none"> • Lesson - Climate Change Impacts on the Water Cycle • Lesson - Hurricanes and Climate
Week 14 12.5.22 - 12.9.22	Unit 3- Impact of Climate Change <ul style="list-style-type: none"> • Lesson - Time for a Season Change
Week 15 12.12.22 - 12.16.22	Unit 4 – Taking Action <ul style="list-style-type: none"> • Lesson - Science Consensus and the Climate Change Debate
Week 16 12.19.22 - 12.23.22* *12.16.22-12.30.22 – Winter Recess	Unit 4 – Taking Action <ul style="list-style-type: none"> • Lesson - Climate Change Mitigation • Lesson - Carbon Capture
Week 17 1.3.23 - 1.6.23* *1.2.23 – New Year’s Day	Unit 4 – Taking Action <ul style="list-style-type: none"> • Lesson - Carbon Capture • Lesson - Mitigation, Adaptation, and Solutions to Climate Change and Harmful Algal Blooms (HABS) in the Lake Erie Watershed
Week 18 1.9.23 - 1.13.23	Unit 4 – Taking Action <ul style="list-style-type: none"> • Lesson - Mitigation, Adaptation, and Solutions to Climate Change and Harmful Algal Blooms (HABS) in the Lake Erie Watershed
Week 19 1.17.23 - 1.20.23* *1.16.23 – Martin Luther King Day	Unit 4 – Taking Action <ul style="list-style-type: none"> • Lesson - Mitigation, Adaptation, and Solutions to Climate Change and Harmful Algal Blooms (HABS) in the Lake Erie Watershed • Lesson - Green Careers
Week 20 1.23.23- 1.27.23	<p style="text-align: center;">Regents Week (Students on Monday only - collect any last minute work)</p>