

# Environmental Science Pacing Guide 2022-2023

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## Quarter 1

Date	Environmental Science	CLRI Connections
<b>Week 1</b> 9.05.22 – 9.09.22* *9.05.22 - Labor Day	<b>Intro to classroom structures/routines</b>	
<b>Week 2</b> 9.12.22 – 9.16.22	<b>Unit 1 – An Introduction to Environmental Science</b> Chapter 1 – Science and the Environment <ul style="list-style-type: none"> <li>● Section 1 – Understanding our Environment</li> <li>● Section 2 – The Environment and Society</li> </ul> Chapter 2 – Tools of Environmental Science <ul style="list-style-type: none"> <li>● Section 1 – Scientific Methods</li> </ul>	<ul style="list-style-type: none"> <li>● <b>The Theft from the Sun (Blackfoot Lodge Tales)</b></li> </ul>
<b>Week 3</b> 9.19.22 – 9.23.22	<b>Unit 1 – An Introduction to Environmental Science</b> Chapter 2 – Tools of Environmental Science <ul style="list-style-type: none"> <li>● Section 3 – Making Informed Decisions</li> </ul> Chapter 3 – The Dynamic Earth <ul style="list-style-type: none"> <li>● Section 1 – The Geosphere</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Black Inventors Matter</b></li> </ul>
<b>Week 4</b> 9.26.22- 9.30.22	<b>Unit 1 – An Introduction to Environmental Science</b> Chapter 3 – The Dynamic Earth <ul style="list-style-type: none"> <li>● Section 2 – The Atmosphere</li> <li>● Section 3 – The Hydrosphere and the Biosphere</li> </ul>	
<b>Week 5</b> 10.03.22 – 10.07.22	<b>Unit 2 – Ecology</b> Chapter 4 – The Organization of Life <ul style="list-style-type: none"> <li>● Section 1 – Ecosystems – Everything is Connected</li> <li>● Section 3 – The Diversity of Living Things</li> </ul>	
<b>Week 6</b> 10.10.22 – 10.14.22* *10.10.22 - Indigenous Peoples' and Italian-Heritage Day	<b>Unit 2 – Ecology</b> Chapter 5 – How Ecosystems Work <ul style="list-style-type: none"> <li>● Section 1 – Energy Flow in Ecosystems</li> </ul>	<ul style="list-style-type: none"> <li>● <b>The Theft from the Sun (Blackfoot Lodge Tales)</b></li> </ul>
<b>Week 7</b> 10.17.22 – 10.21.22	<b>Unit 2 – Ecology</b> Chapter 5 – How Ecosystems Work <ul style="list-style-type: none"> <li>● Section 1 – Energy Flow in Ecosystems</li> <li>● Section 2 – The Cycling of Materials</li> </ul>	
<b>Week 8</b> 10.24.22 – 10.28.22	<b>Unit 2 – Ecology</b> Chapter 5 – How Ecosystems Work <ul style="list-style-type: none"> <li>● Section 3 – How Ecosystems Change</li> </ul> Chapter 6 – Biomes <ul style="list-style-type: none"> <li>● Section 1 – What is a Biome?</li> </ul>	
<b>Week 9</b> 10.31.22 – 11.04.22	<b>Unit 2 – Ecology</b> Chapter 6 – Biomes <ul style="list-style-type: none"> <li>● Section 2 – Forest Biomes</li> <li>● Section 3 – Grassland, Desert, and Tundra Biomes</li> </ul>	
<b>Week 10</b> 11.07.22 – 11.11.22* *11.08.22 - Election Day *11.11.22 – Veterans Day	<b>Unit 2 – Ecology</b> Chapter 6 – Biomes <ul style="list-style-type: none"> <li>● Section 2 – Forest Biomes</li> <li>● Section 3 – Grassland, Desert, and Tundra Biomes</li> </ul>	

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## Quarter 2

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<b>Week 11</b> 11.14.22– 11.18.22	<b>Unit 2 – Ecology</b> Chapter 7 – Aquatic Ecosystems <ul style="list-style-type: none"> <li>● Section 1 – Freshwater Ecosystems</li> <li>● Section 2 – Marine Ecosystems</li> </ul>	
<b>Week 12</b> 11.21.22 – 11.25.22* <b>*11.24.22-11.25.22</b> <b>Thanksgiving Recess</b>	<b>Unit 2 – Ecology</b> Chapter 7 – Aquatic Ecosystems <ul style="list-style-type: none"> <li>● Section 2 – Marine Ecosystems</li> </ul>	
<b>Week 13</b> 11.28.22 – 12.02.22	<b>Unit 3 - Populations</b> Chapter 8 – Understanding Populations <ul style="list-style-type: none"> <li>● Section 1 – How Populations Change</li> <li>● Section 2 - How Species Interact with Each Other</li> </ul>	
<b>Week 14</b> 12.05.22 – 12.09.22	<b>Unit 3 – Populations</b> Chapter 8 – Understanding Populations <ul style="list-style-type: none"> <li>● Section 2 - How Species Interact with Each Other</li> </ul>	
<b>Week 15</b> 12.12.22 – 12.16.22	<b>Unit 3 - Populations</b> Chapter 9 – The Human Population <ul style="list-style-type: none"> <li>● Section 1 – Studying Human Populations</li> </ul>	
<b>Week 16</b> 12.19.22 – 12.23.22* <b>*12.26.22-1.02.23 Winter Recess</b>	<b>Unit 3 - Populations</b> Chapter 9 – The Human Population <ul style="list-style-type: none"> <li>● Section 2 – Changing Population Trends</li> </ul>	● <b>The People Connection</b>
<b>Week 17</b> 1.03.23 – 1.06.23* <b>*1.02.23 Winter Recess</b>	<b>Unit 3 - Populations</b> Chapter 10 – Biodiversity <ul style="list-style-type: none"> <li>● Section 1 – What is Biodiversity</li> <li>● Section 2 – Biodiversity at Risk</li> <li>● Section 3 – The Future of Biodiversity</li> </ul>	
<b>Week 18</b> 1.09.23 – 1.13.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 11– Water <ul style="list-style-type: none"> <li>● Section 1 – Water Resources</li> <li>● Section 2 – Water Use and Management</li> </ul>	● <b>Harriet Tubman – The Unsung Naturalist</b>
<b>Week 19</b> 1.16.23 – 1.20.23* <b>*1.16.2023 MLK Jr. Day</b>	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 11– Water <ul style="list-style-type: none"> <li>● Section 3 - Water Pollution</li> </ul>	
<b>Week 20</b> 1.23.23 – 1.27.23* <b>*1.24.2023 - 1.27.23 – Regents Week</b>	<b>Regents Week</b> (Students on Monday only - collect any last minute work)	

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## Quarter 3

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<b>Week 21</b> 1.30.23 – 2.03.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 12 – Air <ul style="list-style-type: none"> <li>● Section 1 – What Causes Air Pollution?</li> <li>● Section 2 – Air, Noise, and Light Pollution</li> </ul>	
<b>Week 22</b> 2.06.23 – 2.10.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 13 – Atmosphere and Climate Change <ul style="list-style-type: none"> <li>● Section 1 – Climate and Climate Change</li> </ul>	
<b>Week 23</b> 2.13.23 – 2.17.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 13 - Atmosphere and Climate Change <ul style="list-style-type: none"> <li>● Section 2 – The Ozone Shield</li> <li>● Section 3 – Global Warming</li> </ul>	
<b>*Mid-Winter Recess</b> <b>2.20.23 – 2.24.23</b>		
<b>Week 24</b> 2.27.23 – 3.03.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 14 – Land <ul style="list-style-type: none"> <li>● Section 1 – How We Use Land</li> <li>● Section 2 – Urban Land Use</li> </ul>	● <b>Connecting Environmental Resources to Historically Rich Spaces</b>
<b>Week 25</b> 3.06.23 – 3.10.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 14 – Land <ul style="list-style-type: none"> <li>● Section 3 – Land Management and Conservation</li> </ul> Chapter 15 – Food and Agriculture <ul style="list-style-type: none"> <li>● Section 1 – Feeding the World</li> </ul>	● <b>Biography of Cesar Chavez</b>
<b>Week 26</b> 3.13.23 – 3.17.23	<b>Unit 4 – Water, Air, and Land Resources</b> Chapter 15 – Food and Agriculture <ul style="list-style-type: none"> <li>● Section 2 – Crops and Soil</li> <li>● Section 3 – Animals and Agriculture</li> </ul>	● <b>Activist Farmers Tell the Food System that Black Lives Matter</b>
<b>Week 27</b> 3.20.23 – 3.24.23	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 16 – Mining and Mineral Resources <ul style="list-style-type: none"> <li>● Section 1 – Minerals and Mineral Resources</li> <li>● Section 2 – Mineral Exploration and Mining</li> </ul>	
<b>Week 28 - 3.28.22-4.1.22</b>	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 16 – Mining and Mineral Resources <ul style="list-style-type: none"> <li>● Section 2 – Mineral Exploration and Mining</li> <li>● Section 3 – Mining Regulations and Mine Reclamation</li> </ul>	
<b>*Spring Recess</b> <b>4.03.23-4.07.23</b>		
<b>Week 29</b> 4.10.23 – 4.14.23	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 17 – Nonrenewable Energy <ul style="list-style-type: none"> <li>● Section 1 – Energy Resources and Fossil Fuels</li> <li>● Section 2 – Nuclear Energy</li> </ul>	● <b>Dakota Access Pipeline: What is worth fighting for?</b>
<b>Week 30</b> 4.17.23 – 4.21.23	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 18 – Renewable Energy <ul style="list-style-type: none"> <li>● Section 1 – Renewable Energy Today</li> </ul>	

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## Quarter 4

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<b>Week 31</b> 4.24.23 – 4.28.23* *4.26.23 – Early Release Day *4.27.23 – Superintendent Conference Day	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 18 – Renewable Energy <ul style="list-style-type: none"> <li>● Section 2 – Alternative Energy and Conservation</li> </ul>	
<b>Week 32</b> 5.01.23 – 5.05.23	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 19 – Waste <ul style="list-style-type: none"> <li>● Section 1 – Solid Waste</li> <li>● Section 2 – Reducing Solid Waste</li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">Trash Trouble in Paradise</a></li> </ul>
<b>Week 33</b> 5.08.23 - 5.12.23* *5.10.23 – Early Release Day *5.11.23 – Superintendent Conference Day	<b>Unit 5 – Resources – Mineral Resources, Nonrenewable Energy &amp; Renewable Energy</b> Chapter 19 – Waste <ul style="list-style-type: none"> <li>● Section 2 – Reducing Solid Waste</li> <li>● Section 3 – Hazardous Waste</li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">Environmental Justice: Opposing a Toxic Waste Landfill</a></li> <li>● <a href="#">Environmental Justice in Dallas</a></li> <li>● <a href="#">Flint Water Crisis</a></li> </ul>
<b>Week 34</b> 5.15.23 – 5.19.23	<b>Unit 6 – Human Health, Economics, Policy, and the Future</b> Chapter 20 – The Environment and Human Health <ul style="list-style-type: none"> <li>● Section 1 – Pollution and Human Health</li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">A Fierce Green Fire</a></li> <li>● <a href="#">Environmental Justice in Your Neighborhood Lesson Series</a></li> <li>● <a href="#">Crisis at West Valley – Rich Newberg Segments</a></li> <li>● <a href="#">Love Canal – NYS Retro Report Video Link</a></li> </ul>
<b>Week 35</b> 5.22.23 – 5.26.23	<b>Unit 6 – Human Health, Economics, Policy, and the Future</b> Chapter 20 – The Environment and Human Health <ul style="list-style-type: none"> <li>● Section 2 – Biological Hazards</li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">How do you solve a problem like Malaria?</a></li> </ul>
<b>Week 36</b> 5.29.23– 6.02.23* *5.29.2023 – Memorial Day	<b>Unit 6 – Human Health, Economics, Policy, and the Future</b> Chapter 21 – Economics, Policy, and Future <ul style="list-style-type: none"> <li>● Section 1 – Economics and International Cooperation</li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">Excerpts from War of the Worlds</a></li> </ul>
<b>Week 37</b> 6.05.23– 6.09.23	<b>Unit 6 – Human Health, Economics, Policy, and the Future</b> Chapter 21 – Economics, Policy, and Future <ul style="list-style-type: none"> <li>● Section 2 – Environmental Policies in the U.S.</li> </ul>	<ul style="list-style-type: none"> <li>● <a href="#">Famous Black Scientists and You</a></li> </ul>
<b>Week 38</b> 6.12.23 – 6.16.23	<b>Regents Week</b> (Students on Monday and Tuesday only)	
<b>Week 39</b> 6.19.23 – 6.23.23* *6.19.23 – Juneteenth Holiday *6.23.23 – Rating Day/SCD	<b>Regents Week</b>	
<b>Week 40</b> 6.26.23–6.30.23	<b>No School</b>	