Grade 6 Unit 1: Ecosystems
Pacing Guide using Inspire Science Life Science Unit 1
1 day = 40 minute period

Module 1 - All lessons
Module 2 - All lessons
Module 3 - Lesson 2 only

*Optional Activities are shown in red.

*This unit is paced out to 57 days. Teachers will have to make instructional decisions about which investigations and labs to include in order to take time off of the pacing guide. The unit should take 1 marking period total.

Day	Lesson	Inspire Resources	Additional Resources
1	Module 1 Opener	Interactive Presentation Module Vocabulary List Module Pretest	Photosynthesis & Respiration Generation Genius Video Photosynthesis Brain Pop Video What do plants eat? Mystery Science Photosynthesis Lab Gizmo Cell Energy Cycle Gizmo Bill Nye - Plants Episode
	Module 1 Lesson 1: Plant Procedures Science Probe	Interactive Presentation	
	Module 1 Lesson 1: Encounter the Phenomenon	Interactive Presentation	
2	Module 1 Lesson 1: Explain the Phenomenon - CER	Interactive Presentation	
	Module 1 Lesson 1: Investigation - Plant Structure	Interactive Presentation Reading Essentials Foldables	
	Module 1 Lesson 1: Read	Interactive Presentation	

	About - Why do plants need sunlight? Photosynthesis		
3	Module 1 Lesson 1: Lab - Photosynthesis and Light	Interactive Presentation Collaboration Kit for supplies	
4	Module 1 Lesson 1: Read About - Why do plants need sunlight? Capturing Light Energy Module 1 Lesson 1: Collect Evidence - Part A Module 1 Lesson 1: Read A Scientific Text - Forests and Carbon Storage Module 1 Lesson 1: 3D Thinking Question	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation Interactive Presentation	
5	Module 1 Lesson 1: Lab - Breathe In, Breathe Out Module 1 Lesson 1: Read About - How does the energy in food molecules become usable? Module 1 Lesson 1: Collect Evidence - Part B	Interactive Presentation Collaboration Kit for supplies Interactive Presentation Revisit CER from beginning of lesson	
6	Module 1 Lesson 1: Read About - How are photosynthesis and cellular respiration related?	Interactive Presentation	

	Module 1 Lesson 1: 3D Thinking Question Module 1 Lesson 1: Green Science - The Benefits of Algae	Interactive Presentation Interactive Presentation	
7	Module 1 Lesson 1: Lesson Review Module 1 Lesson 1: Lesson Check Module 1 Lesson 1: Review CER	Interactive Presentation Lesson Check	
8	Module 1 Lesson 2: Exploring Energy Science Probe Module 1 Lesson 2: Encounter the Phenomenon	Interactive Presentation Interactive Presentation Worksheet	Food Webs Generation Genius Video Food Chains Brain Pop Video Food Chain Gizmo
9	Module 1 Lesson 2: Explain the Phenomenon - CER Module 1 Lesson 2: Investigation - Classifying Organisms	Interactive Presentation Interactive Presentation Worksheet	
10	Module 1 Lesson 2: Read About - How do different organisms get energy? Producers Module 1 Lesson 2:	Interactive Presentation Reading Essentials Foldables Interactive Presentation	

	Investigation - Go Bananas		
11	Module 1 Lesson 2: Read About - How do different organisms get energy? Detritivores Module 1 Lesson 2: Collect Evidence - Part A Module 1 Lesson 2: Lab - Modeling Energy Flow	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation Worksheets	
12	Module 1 Lesson 2: Read About - How does energy move through an environment? Food Chain Module 1 Lesson 2: 3D Thinking Question Module 1 Lesson 2: Lab - Web of Life	Interactive Presentation Interactive Presentation Interactive Presentation Worksheet	
13	Module 1 Lesson 2: Read About - How does energy move through an environment? Food Web Module 1 Lesson 2: Collect Evidence - Part B Module 1 Lesson 2: Lesson Review Module 1 Lesson 2: Lesson	Interactive Presentation Revisit CER from beginning of lesson Interactive Presentation Lesson Check	

	Check Module 1 Lesson 2: Review CER		
14	Module 1 Lesson 3: Cycling of Matter Science Probe Module 1 Lesson 3: Encounter the Phenomenon Module 1 Lesson 3: Explain the Phenomenon - CER	Interactive Presentation Interactive Presentation Module 1 Lesson 3: Explain the Phenomenon - CER	The Carbon Cycle Gizmo Carbon Cycle Brain Pop Video Conservation of Mass Brain Pop Video Conservation of Energy & Mass National Geographic Resources The Nitrogen Cycle Brain Pop Video The Water Cycle Brain Pop Video The Water Cycle Gizmo Khan Academy - Water & Nitrogen Cycle
15	Module 1 Lesson 3: Lab - Movin' Matter	Interactive Presentation Collaboration Kit for supplies	
16	Module 1 Lesson 3: Read About - How does matter move through an…Carbon in Nature Module 1 Lesson 3: 3D Thinking Question	Interactive Presentation Reading Essentials Foldables Interactive Presentation	
17	Module 1 Lesson 3: Read About How does matter move through an…The Carbon Cycle Module 1 Lesson 3: Collect Evidence - Part A	Interactive Presentation Revisit CER from beginning of lesson	
18	Module 1 Lesson 3: Lab - Rain Check	Interactive Presentation	

	Module 1 Lesson 3: Read About - What other important materials cycle…The Water Cycle Module 1 Lesson 3: Collect Evidence - Part B	Interactive Presentation Revisit CER from beginning of lesson	
19	Module 1 Lesson 3: Read About - What other important materials cycle…The Nitrogen Cycle Module 1 Lesson 3: Collect Evidence - Part C	Interactive Presentation Revisit CER from beginning of lesson	
20	Module 1 Lesson 3: Read About - What other important materials cycle…The Oxygen Cycle Module 1 Lesson 3: Collect Evidence - Part D	Interactive Presentation Revisit CER from beginning of lesson	
21	Module 1 Lesson 3: A Closer Look - The Greenhouse Effect Module 1 Lesson 3: Lesson Review Module 1 Lesson 3: Lesson Check Module 1 Lesson 3: Review CER	Interactive Presentation Interactive Presentation Lesson Check	

22	Module 1 Wrap Up	Interactive Presentation	
23	Module 1 Test		
24	Module 2 Lesson 1: Module Opener Module 2 Lesson 1: Populations and Communities Science Probe Module 2 Lesson 1: Encounter the Phenomenon	Interactive Presentation Module Vocabulary List Module Pretest Interactive Presentation Interactive Presentation	Prairie Ecosystem Gizmo Bill Nye - Populations Episode Ecosystems Brain Pop Video Trees - Competiton for Resources Lab Competition in Ecosystems Generation Genius Video Estimating Population Size Gizmo
25	Module 2 Lesson 1: Explain the Phenomenon - CER Module 2 Lesson 1: Read About - What are the levels of organization in an environment? Module 2 Lesson 1: Collect Evidence - Part A	Interactive Presentation Interactive Presentation Reading Essentials Revisit CER from beginning of lesson	
26	Module 2 Lesson 1: Investigation - There's No Place Like Home Module 2 Lesson 1: Lab - Fishy Population Changes	Interactive Presentation Interactive Presentation Foldables	
27	Module 2 Lesson 1: Read About - How do resources affect populations?	Interactive Presentation	

	Module 2 Lesson 1: Investigation - Pika Predicaments Module 2 Lesson 1: Read About - How big can populations get? Biotic Potential	Interactive Presentation Interactive Presentation	
28	Module 2 Lesson 1: 3D Thinking Question Module 2 Lesson 1: Read About - how big can populations get? Overpopulation Module 2 Lesson 1: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
29	Module 2 Lesson 1: A Closer Look - Water Crisis in California Module 2 Lesson 1: Lesson Review Module 2 Lesson 1: Lesson Check Module 2 Lesson 1: Review CER	Interactive Presentation Interactive Presentation Lesson Check	
30	Module 2 Lesson 2: What's the relationship? Science Probe	Interactive Presentation	Ecological Relationships National Geographic

	Module 2 Lesson 2: Encounter the Phenomenon Module 2 Lesson 2: Explain the Phenomenon - CER	Interactive Presentation Interactive Presentation	Resource Symbiotic Relationships in Marine Ecosystems National Geographic Resource
31	Module 2 Lesson 2: Investigation - Relationship in Communities Module 2 Lesson 2: Investigation - Mutually Bene-fish-al	Interactive Presentation Worksheet Reading Essentials Foldables Interactive Presentation	
32	Module 2 Lesson 2: Read About - How do some organisms benefit in relationships? Module 2 Lesson 2: Lab - Coral Colleagues	Interactive Presentation Interactive Presentation Worksheet	
33	Module 2 Lesson 2: Lab- Coral Colleagues	Interactive Presentation Worksheet	
34	Module 2 Lesson 2: Read About - What are the different types of symbiotic relationships? Module 2 Lesson 2: 3D Thinking Question Module 2 Lesson 2: Collect	Interactive Presentation Interactive Presentation Revisit CER from beginning of	

	Evidence - Part A	lesson	
35	Module 2 Lesson 2: Investigation - Assorted Associations Module 2 Lesson 2: Read About - What other types of relationships exist in ecosystems? Module 2 Lesson 2: 3D Thinking Question Module 2 Lesson 2: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
36	Module 2 Lesson 2: Careers in Science - All for One, One for All Module 2 Lesson 2: Lesson Review Module 2 Lesson 2: Lesson Check Module 2 Lesson 2: Review CER	Interactive Presentation Interactive Presentation Lesson Check	
37	Module 2 Lesson 3: No More Plants Science Probe Module 2 Lesson 3: Encounter the Phenomenon	Interactive Presentation Interactive Presentation	Coral Reefs 1 - Abiotic Factors Gizmo Coral Reefs 2 - Biotic Factors Gizmo

38	Module 2 Lesson 3: Explain the Phenomenon - CER Module 2 Lesson 3: Investigation - Change in Communities Module 2 Lesson 3: Read About - How do land ecosystems change?	Interactive Presentation Interactive Presentation Reading Essentials Interactive Presentation Foldables	
39	Module 2 Lesson 3: Investigation - Class is Dismissed	Interactive Presentation	
40	Module 2 Lesson 3: Read About - How do aquatic ecosystems change? Module 2 Lesson 3: 3D Thinking Question Module 2 Lesson 3: Lab - It's Sedimentary, My Dear Watson	Interactive Presentation Interactive Presentation Interactive Presentation Collaboration Kit for supplies	
41	Module 2 Lesson 3: Read About - How do aquatic ecosystems change? Environmental Connection Module 2 Lesson 3: Read a Scientific Text - Too Much of a Good Thing: Human…Nitrogen Module 2 Lesson 3: Collect	Interactive Presentation Interactive Presentation Revisit CER from beginning of	

	Evidence - Part A	lesson	
42	Module 2 Lesson 3: Investigation - Natural Disruption Module 2 Lesson 3: Read About - How do changing ecosystems affect populations? Module 2 Lesson 3: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
43	Module 2 Lesson 3: Read About - How does human activity cause disruptions in ecosystems? Module 2 Lesson 3: Investigation - Unnatural Disruptions Module 2 Lesson 3: Collect Evidence - Part C	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
44	Module 2 Lesson 3: STEM Careers - A Day in the Life of an Air Pollution Analyst Module 2 Lesson 3: Lesson Review Module 2 Lesson 3: Lesson Check	Interactive Presentation Interactive Presentation Lesson Check	

	Module 2 Lesson 3: Review CER		
45	Module 2 Wrap Up	Interactive Presentation	
46	Module 2 Test		
48	Module 3 Lesson 2: Chopping Trees Science Probe Module 3 Lesson 2: Encounter the Phenomenon	Interactive Presentation Interactive Presentation	Maintaining Biodiversity Generation Genius Video Bill Nye - Pollution Solutions Episode Reduce, Reuse, Recycle Resources
49	Module 3 Lesson 2: Explain the Phenomenon - CER Module 3 Lesson 2: Lab - Air Pollution Module 3 Lesson 2: Read About - In what ways is biodiversity threatened? Module 3 Lesson 2: Collect Evidence - Part A	Interactive Presentation Interactive Presentation Collaboration Kit for supplies Reading Essentials Foldables Interactive Presentation Revisit CER from beginning of lesson	
50	Module 3 Lesson 2: Read a Scientific Text - Kudzu Greatest Forage crop, Declares Local Authority Module 3 Lesson 2: Green Science - Purple Loosestrife	Interactive Presentation Interactive Presentation	

	An Invasive Plant Species		
51	Module 3 Lesson 2: Lab - Turning Trash into Treasure Module 3 Lesson 2: Investigation - Save the Earth	Interactive Presentation Interactive Presentation Worksheet	
52	Module 3 Lesson 2: Read About - How can we protect biodiversity and ecosystem services? Module 3 Lesson 2: 3D Thinking Question Module 3 Lesson 2: Collect Evidence - Part B	Interactive Presentation Interactive Presentation Revisit CER from beginning of lesson	
	Module 3 Lesson 2: Science & Society - Saving an Underwater Wilderness Module 3 Lesson 2: Lesson Review Module 3 Lesson 2: Lesson Check Module 3 Lesson 2: Review CER	Interactive Presentation Interactive Presentation Lesson Check	
53	Module 3 Wrap Up	Interactive Presentation	
54	Module 3 Test		

55	Benchmark Review		
56	Benchmark Review		
57	Grade 6 Unit 1 Benchmark		