

Designer Name(s): 4th Grade Team

Date:

Subject Area: ELA

Grade Level(s): 4th

Unit Title/Focus: Nature's Delicate Balance, Unit 2

Estimated Amount of Instructional Time: 6 Weeks

Stage 1 – (Desired Results)

State Content and Skill Standards:

Reading Standards for Literature:

RL 4.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.

RL 4.4 Determine the meaning of words and phrases as they are used in a text, including those that allude to significant characters found in mythology (e.g., Herculean).

RL 4.5 Explain major differences between poems, drama, and prose, and refer to the structural elements of poems (e.g., verse, rhythm, meter) and drama (e.g., casts of characters, settings, descriptions, dialogue, stage directions) when writing or speaking about a text.

RL 4.7 Make connections between the text of a story or drama and a visual or oral presentation of the text, identifying where each version reflects specific descriptions and directions in the text.

RL 4.9 Compare and contrast the treatment of similar themes and topics (e.g., opposition of good and evil) and patterns of events (e.g., the quest) in stories, myths, and traditional literature from different cultures.

RL 4.10 By the end of the year, read and comprehend literature, including stories, dramas, and poetry, in the grades 4-5 text complexity band proficiently, with scaffolding as needed at the high end of the range.

Reading Standards for Informational Text:

RI 4.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.

RI 4.2 Determine the main idea of a text and explain how it is supported by key details; summarize the text.

RI 4.3 Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.

RI 4.4 Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a *grade 4 topic or subject area*.

RI 4.5 Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.

RI 4.7 Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.

RI 4.10 By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4-5 text complexity band proficiently, with scaffolding as needed at the high end of the range.

RF 4.3 Know and apply grade-level phonics and word analysis skills in decoding words.

RF 4.3.A Use combined knowledge of all letter-sound correspondences, syllabication patterns, and morphology (e.g., roots and affixes) to read accurately unfamiliar multisyllabic words in context and out of context.

RF 4.4 Read with sufficient accuracy and fluency to support comprehension.

RF 4.4.A Read grade-level text with purpose and understanding

RF 4.4.B Read grade-level prose and poetry orally with accuracy, appropriate rate, and expression on successive readings.

Writing Standards:

W4.1 Write opinion pieces on topics or texts, supporting a point of view with reasons and information.

W4.1.A Introduce a topic or text clearly, state an opinion, and create an organizational structure in which related ideas are grouped to support the writer's purpose.

W4.1.B Provide reasons that are supported by facts and details.

W4.1.D Provide a concluding statement or section related to the opinion presented.

W4.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.

W4.2.A Introduce a topic clearly and group related information in paragraphs and sections; include formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.

W4.2.B Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.

W4.2.C Link ideas within categories of information using words and phrases (e.g., *another*, *for example*, *also*, *because*).

W4.2.D Use precise language and domain-specific vocabulary to inform about or explain the topic.

W4.2.E Provide a concluding statement or section related to the information or explanation presented.

W4.4 Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)

W4.5 With guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, and editing. (Editing for conventions should demonstrate command of Language standards 1-3 up to and including grade 4 [here](#).)

W4.6 With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.

W4.7 Conduct short research projects that build knowledge through investigation of different aspects of a topic.

W4.8 Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.

W4.10 Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.

Speaking and Listening Standards:

SL4.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on *grade 4 topics and texts*, building on others' ideas and expressing their own clearly.

SL4.1.A Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.

SL4.1.B Follow agreed-upon rules for discussions and carry out assigned roles.

SL4.1.C Pose and respond to specific questions to clarify or follow up on information, and make comments that contribute to the discussion and link to the remarks of others.

SL4.1.D Review the key ideas expressed and explain their own ideas and understanding in light of the discussion.

SL4.2 Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

SL4.3 Identify the reasons and evidence a speaker provides to support particular points.

SL4.4 Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.

SL4.5 Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.

Language Standards:

L4.1 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

L4.1.F Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.*

L4.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

L4.2.A Use correct capitalization.

L4.2.B Use commas and quotation marks to mark direct speech and quotations from a text.

L4.2.C Use a comma before a coordinating conjunction in a compound sentence.

L4.2.D Spell grade-appropriate words correctly, consulting references as needed.

L4.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 4 reading and content, choosing flexibly from a range of strategies.

L4.4.A Use context (e.g., definitions, examples, or restatements in text) as a clue to the meaning of a word or phrase.

L4.4.B Use common, grade-appropriate Greek and Latin affixes and roots as clues to the meaning of a word (e.g., *telegraph*, *photograph*, *autograph*).

L4.4.C Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.

L4.5 Demonstrate understanding of figurative language, word relationships, and nuances in word meanings.

L4.5.A Explain the meaning of simple similes and metaphors (e.g., *as pretty as a picture*) in context.

L4.5.C Demonstrate understanding of words by relating them to their opposites (antonyms) and to words with similar but not identical meanings (synonyms).

L4.6 Acquire and use accurately grade-appropriate general academic and domain-specific words and phrases, including those that signal precise actions, emotions, or states of being (e.g., quizzed, whined, stammered) and that are basic to a particular topic (e.g., *wildlife*, *conservation*, and *endangered* when discussing animal preservation).

Enduring Understandings: (*what are the big ideas, what are the specific understandings desired*)

Students will understand that...

- ✓ Things in nature are related to one another
- ✓ When one part of nature's system is removed; other parts are affected

Essential Questions: (*what questions will foster inquiry, understanding, and transfer of learning*)

- How does the water cycle work? How does the water cycle affect you?
- What is the main source of energy for living things on Earth? How can energy be transferred from one form to another?
What are food chains and webs? Why do meat-eaters need plants?
- What would happen without decomposers? How are decomposers part of food chains and webs?
- What happens when part of a system is removed? How does a single tree fit into nature's delicate balance?

Big Idea(s)

What role do you play in nature's delicate balance?

What Students will know: (*what knowledge will they acquire*)

Key Terms

1. Flowed, glacier, irrigation, jagged, particles, raging, reservoir, trickled
2. Release, eventually, energy, fuels, stored, contains, transferred, soar
3. Bitterly, branch, depend, linked, microscope, seaweed, slightly
4. Brittle, burrow, circulate, decays, droop, predator, shrivel, swarming
5. Ancestors, smoldering, clinging, dangle, wither, pollinate, oxygen, start

What Students will be able to do: (*what will they eventually be able to do as a result of their skills learned/knowledge*)

- ❖ **Students will make responsible decisions regarding nature's delicate balance.**

Stage 2 - Assessment Evidence (acceptable assessment evidence that students understand)	
<p><i>Performance Tasks: (what authentic performance task (s) will students demonstrate understanding; by what criteria will it be judged?)</i></p> <p>*Triorama: http://www.youtube.com/watch?v=sFWxviqsDAw</p> <p>*Diorama: Show relationships between ecosystems Collage: habitats (cut out pictures from old magazines and assemble) Mobile: Showing different types of energy: stored, kinetic, renewable, transferred, magnetic</p> <p>Rubric for Diorama and Triorama: D & T Rubric</p>	<p><i>Other Evidence: (quizzes, tasks, academic prompts, homework, observations)</i></p>
Stage 3 - Learning Plan (sequence of teaching and learning activities that will produce desired understandings, engagement and development) Use WHERETO elements to help you:	
<p><i>Learning Activities:</i></p> <p>Water Cycle Link http://player.discoveryeducation.com/views/hhView.cfm?guidAssetId=087777c8-4ff0-45d2-878f-e7cd90f7ee19</p> <p>Food Web Song and Video</p> <p>The Great Kapok audio and visual</p>	

W=help the students know WHERE the unit is going and WHAT is expected/Help teacher to know where the students are coming from (prior knowledge, interests)

H=HOOK all students and hold their interest

E=EQUIP students, help them EXPERIENCE the key ideas and EXPLORE the issue

R=Provide opportunities to RETHINK and REVISE their understanding/work

E (2)=Allow students to EVALUATE their work

T=Be TAILORED (personalized) to different needs, interests, and abilities of learners

O=Be ORGANIZED to maximize initial and sustained engagement as well as effective learning

Assessment Tasks that Provide Evidence for Claims including DOK	<input type="checkbox"/> Claim #1/DOK 1, 2, 3, 4 (circle one):
	<input type="checkbox"/> Claim #2/DOK 1, 2, 3, 4 (circle one):
	<input type="checkbox"/> Claim #3/DOK 1, 2, 3, 4 (circle one):
	<input type="checkbox"/> Claim #4/DOK 1, 2, 3, 4 (circle one):
Achievement Level Descriptors	ALD #1: ALD #2: ALD #3: ALD #4: (circle one):
Materials/Resources	