

Wright City Science Curriculum

3rd Grade Science

Grade	3rd Grade
Unit of Study	Ecosystems and Adaptations
Length of Unit	17 days; 30 min per day
Sample Essential Questions	Sample Corresponding Big Ideas
How do living things survive and thrive in their environment?	Reproduction is essential to the continued existence of every kind of organism. Plants and animals have unique and diverse life cycles. Other characteristics result from individuals' interactions with the environment, which can range from diet to learning. Many characteristics involve both inheritance and environment. The environment also affects the traits that an organism develops
How do adaptations help living things meet their needs?	Many characteristics are inherited from their parents. For any particular environment, some kinds of organisms survive well, and some cannot survive at all.

Missouri Learning Standards	
Priority Standards	Supporting Standards
3.LS3.A.1: Construct scientific arguments to support claims that some characteristics of organisms are inherited from parents and some are influenced by the environment.	3.R.2.A.f: Read, infer, analyze, and draw conclusions to explain cause-and-effect relationships. 3.W.2.A: Compose well-developed writing texts for audience and purpose: Write opinion texts.
3.LS3.C.1: Construct an argument with evidence that in a particular ecosystems some organisms—based on structural adaptations or behaviors—can survive well, some survive less well, and some cannot.	3.W.2.A: Compose well-developed writing texts for audience and purpose: Write opinion texts. 3.W.2.B: Compose well-developed writing texts for audience and purpose: Write informative/explanatory texts. 3.R.1.A.b: Develop and demonstrate reading skills in response to text by drawing conclusions and support with textual evidence. 3.R.2.A.f: Read, infer, analyze, and draw conclusions to explain cause-and-effect relationships. 3.R.A.b, d-e: Read infer, and draw conclusions to b) identify the details or facts that support the main idea; d) follow and explain a set of

	written multi-step directions and; e) describe the relationship between events, ideas, concepts, or steps. 3.R.3.C.a-b: Read, infer, and draw conclusions to a) describe relationships among events, ideas, concepts, and cause and effect in texts and; b) explain the relationships between problems and solutions. 3.SL.4.A.b: Speak clearly, audibly, and to the point, using conventions of language when presenting individually or with a group by presenting information with clear ideas and details while speaking clearly at an understandable pace. 3.DS.A.1: Create frequency tables, scaled picture graphs, and bar graphs to represent a data set with several categories. 3.DS.A.2: Solve one-and-two step problems using information presented in bar and/or picture graphs.
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Unit 3 Sequence			
MLS	Topic(s)	Learning Targets	Academic Vocabulary
3.LS2.1	Life Cycles	Construct an argument that some animals form groups that help members survive.	
	Ecosystems	"I can describe different ecosystems, including the organisms that live there."	organisms, ecosystems
		"I can describe different ecosystems, including the organisms that live there. I can identify food chains within an ecosystem."	food chains
	Environmental Chains	"I can describe environmental changes of an environment."	environment
3.LS.4.D.: 3.LS.3.D.1	Problem and Solution	"I can make a claim about the merit of a solution to a problem caused by the environment changes and the types of plants and animals that live in that environment."	merit; problem, solution
3.LS3.C.1	Adaptations	"I can identify adaptations of animals and describe how they effect survival."	survival, adaptations, effect

MLS	Learning Activities	
	ECOSYSTEMS PORTION	
3.LS2.1	Extension Activity: Coloring Page ; Epic Ecosystem Food Chains Collection ; Feed the Dingo Ecosystem Game	Option L... ▾

	Cut and Move cards and Place-mat ;	Diff Inst ▾
	Ecosystem Posters	Must Do ▾
3.LS.3.D.1	Impact Table ; River Pollution Article	Diff Inst ▾
	ADAPTATIONS PORTION	Option L... ▾
3.LS3.C.1	Walrus Writing Prompt ; Animal Adaptations in the Arctic ; Highlighted Animal Adaptations Project Environments (Highlighted with Audio)	Diff Inst ▾
	Cut/Paste Adaptations ; Quizizz	Can Do ▾
	Epic Plant and Animal Adaptations Collection	Option L... ▾
	Create Animal Project (done during BENCHMARK, UNIT 1 WRITING)	Must Do ▾

Assessments		
MLS	Description or Location	Rubric/Location
3.LS2.1	Ecosystem Digital Exit Ticket	Pear Assessment
	Food Chains Edulastic	Pear Assessment
3.LS2.1: 3.LS.3.D.1	FORMATIVE: Ecosystems and Environmental Change Edulastic Formative	Pear Assessment
	ADAPTATIONS SECTION	
	Adaptations Vocabulary on Edulastic	Pear Assessment
	Physical and Behavioral Adaptations Edulastic Exit Ticket	Pear Assessment
	FORMATIVE: Adaptations Edulastic Formative	Pear Assessment

Additional Resources	
● Ecosystems and Adaptations Lesson Plans Document ● Ecosystems and Adaptations Google Slides	