

Explore the World with Shorebirds!

Correlation with National Science Standards

Upper Elementary/Middle School (5-8)

		Unifying Concepts & Processes					Science as Inquiry		Life Science					Science & Technology			Science in Personal & Social Perspectives				History & Nature of Science		
		Systems, order & organization	Evidence, models & explanation	Change, consistency & measurement	Evolution & equilibrium	Form & function	Abilities to do scientific inquiry	Understanding scientific inquiry	Structure & function in living systems	Reproduction & heredity	Regulation & behavior	Populations & ecosystems	Diversity & adaptations of organisms	Abilities of Technological design	Understanding science and technology	Distinguish natural and human objects	Personal health	Pop. , resources, environments	Natural hazards	Risks & benefits	Science & tech. In society	Science as human endeavor	Nature of science
Activity Unit	Shorebird Topic																						
Increasing Cultural Awareness	SSSP & Connecting Culutres																						■
Get to Know the Shorebirds	introduction to shorebirds	■				■	▲		■	■	■	■	■										■
Shorebird Profiles	introduction to shorebirds					■	▲		■	■	■	■	■										■
What Can I Eat With This Beak?	adaptations		■	■		■	■		■				■										
Shorebird Food Webs	habitat	■	■	■	■				■				■										
Wetland Metaphors	habitat																						
Match the Habitat Cards	habitat	■		■		■			■			■	■										■
Types of Habitat	habitat	■	■	■		▲			■			■	■										
Migration Headache	migration	■	■	■		■			■	■	■	■	■										■
Migration Math Madness	migration	■	■	■						■	■	■	■										
The Incredible Journey	migration	■	■	■		■	▲		■	■	■	■	■										■
Colorful Changes	nesting and breeding			■		■	■			■		■	■										■
Guard Your Nest	nesting and breeding					■	■	■		■	■	■	■										■
It's a Tough Life	nesting and breeding	■	■			■			■	■	■	■	■			■							■
Banded Birds	research & technology	■	■	■			■	■	■		■	■		■	■	■							■
Shorebirds on the Web	research & technology	■	■	■			■	■			■	■		■	■								■
Bird Beans	research & technology	■	■	■			■			■	■				■								■
Shorebird Fair	big shorebird picture																						
Shorebird Decision Dilemmas	big shorebird picture	■				■	■		■		■	■	■			■							■

Shading indicates that the activity may touch on any number of science topics.

▲ Indicates the standard is addressed in the unit's additional activities

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Correlation with National Science Standards

Upper Elementary / Middle School (5-8) continued

		Unifying Concepts & Processes					Science as Inquiry		Life Science					Science & Technology			Science in Personal & Social Perspectives				History & Nature of Science	
		Systems, order & organization	Evidence, models & explanation	Change, consistency & measurement	Evolution & equilibrium	Form & function	Abilities to do scientific inquiry	Understanding scientific inquiry	Structure & function in living systems	Reproduction & heredity	Regulation & behavior	Populations & ecosystems	Diversity & adaptations of organisms	Abilities of Technological design	Understanding science and technology	Distinguish natural and human objects	Personal health	Pop., resources, environments	Natural hazards	Risks & benefits	Science & tech. In society	Science as human endeavor
Activity Unit	Shorebird Topic																					
Shorebird Poetry	big shorebird picture																					
Shorebirds on Display	big shorebird picture																					
Using Field Guides & Binoculars	pre-fieldtrip activity										■			■							■	
Making Field Sampling Equipment	pre-fieldtrip activity						■		▲				■								■	
Birding Code of Ethics	pre-fieldtrip activity	■	■								■	■						■				
Shorebird Field Study	on-site fieldtrip activity	■				■	■		■		■	■									■	
Cast A Track	on-site fieldtrip activity		■			■			■			■			■						■	
Mud Creatures Study	on-site fieldtrip activity	■	■	■		■	■	■	■		■	■	■		■						■	■
Data Analysis	post-fieldtrip activity	■	■	■		■	■	■					■								■	■
Sharing Circle	post-fieldtrip activity																					
Shorebird Bubble or Concept Map	assessment activity																					
Shorebird Jeo-Bird-Y	assessment activity																					
Peeps and Predators	assessment activity																					
Shorebird Speeches & Listening Tests	assessment activity																					

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Explore the World with Shorebirds!

Correlation with National Science Standards

Upper Middle School / High School (9-12)

		Unifying Concepts & Processes					Science as Inquiry		Life Science			Science & Technology		Science in Personal & Social Perspectives					History & Nature of Science			
		Systems, order & organization	Evidence, models & explanation	Change, consistency & measurement	Evolution & equilibrium	Form & function	Abilities to do scientific inquiry	Understanding scientific inquiry	Interdependence of organisms	Matter, energy & organization	Behavior of organisms	Abilities of Technological design	Understanding science and technology	Personal & community health	Population growth	Natural Resources	Environmental quality	Natural & human induced hazards	Science & technology challenges	Science as human endeavor	Nature of scientific knowledge	Historical perspectives
Activity Unit	Shorebird Topic																					
Increasing Cultural Awareness	SSSP & Connecting Cultures														■	■	■		■	■	■	
Shorebird Profiles	introduction to shorebirds					■			■		■											
A Year In My Life As A Shorebird	introduction to shorebirds	■				■			■		■				■	■	■					
Most Wanted: Shorebirds	introduction to shorebirds					■			■		■			■			■					
Avian Olympics	adaptations			■		■				■	■											
Map Your Habitats	habitat																					
When the Grass Was Greener	habitat	■	■	■											■	■	■	■				
Bird's Eye View	migration	■				■	■		■		■				■	■	■					
Precarious Paths	migration	■		■		■			■		■				■	■	■	■				
Colorful Changes	nesting and breeding			■		■	■				■											
Imaginary Mist Nets	research & technology	■	■	■		■	■				■		■					■	■	■		
You Be the Scientist	research & technology	■	■	■		■	■				■	■	■					■	■	■		
Shorebirds on the Web	research & technology	■	■	■		■	■	■			■	■	■		■	■	■	■	■	■	■	
Shorebird Values on the Line	big shorebird picture													■	■	■	■	■				
Shorebird Decision Dilemmas	big shorebird picture																					
What You Can Do For Shorebirds!	big shorebird picture																	■	■	■		
Shorebirds News	big shorebird picture		▲											▲		▲	▲	▲		■		

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Correlation with National Science Standards

Upper Middle School / High School
(9-12) continued

		Unifying Concepts & Processes					Science as Inquiry		Life Science			Science & Technology		Science in Personal & Social Perspectives					History & Nature of Science		
		Systems, order & organization	Evidence, models & explanation	Change, consistency & measurement	Evolution & equilibrium	Form & function	Abilities to do scientific inquiry	Understanding scientific inquiry	Interdependence of organisms	Matter, energy & organization	Behavior of organisms	Abilities of Technological design	Understanding science and technology	Personal & community health	Population growth	Natural Resources	Environmental quality	Natural & human induced hazards	Science & technology challenges	Science as human endeavor	Nature of scientific knowledge
Activity Unit	Shorebird Topic																				
Shorebird Poetry	big shorebird picture																				
Shorebird Fair	big shorebird picture																				
Shorebirds on Display	big shorebird picture																				
Birding Code of Ethics	pre-fieldtrip activity	■	■						■		■						■			■	
Shorebird Field Study	on-site fieldtrip activity	■				■	■	■	■		■				■	■	■	■		■	■
Cast a Track	on-site fieldtrip activity		■			■														■	■
Mud Creatures Study	on-site fieldtrip activity	■	■	■		■	■	■	■		■	■				■		■		■	■
Sampling Local Shorebird Populations	on-site fieldtrip activity	■	■	■			■	■	■	■	■	■	■		■		■	■		■	■
Data Analysis	post fieldtrip activity																				
Sharing Circle	post fieldtrip activity																				
Shorebird Speeches & Listening Tests	assessment activity																				
Shorebird Jeo-Bird-Y	assessment activity																				
Shorebird Bubble Map	assessment activity																				

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