AQUATIC WILD CORRELATIONS TO NORTH CAROLINA K-5 SCIENCE ESSENTIAL STANDARDS

NC Wildlife Resources Commission

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The following document is a listing of the K-5 Science Essential Standards that can be addressed through Aquatic WILD activities. Only direct correlations addressed by using the background information and activity procedures are included. Extensions and Variations sections were not correlated, but teachers are encouraged to use these sections and modify the lessons, as needed.

Only K-5 Science Standards are correlated in this document. Additional correlations will be completed in the future. Look for those correlations at www.ncwildlife.org/educators.

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	Kindergarten			1st Grade			
Aquatic WILD	**K.L.1.1**	**K.L.1.2**	**1.L.1.1**	**1.L.1.2**	**1.L.1.3**	**1.L.2.1**	**1.L.2.2**
A Whale of an Issue							
Alice in Waterland							
Aqua Words			X	X	X		X
Aquatic Roots							
Aquatic Times							
Are You Me?		X					
Blue Ribbon Niche							
Conservation Messaging							
Dam Design							
Designing a Habitat							
Dragonfly Pond							
Eat and Glow							
Edge of Home							
Facts and Falsehoods							
Fashion a Fish	X	X					
Fishable Waters							
Fishy Who's Who							
Gone Fishing!							
Got Water?							
Hooks and Ladders							
How Wet Is Our Planet?							
Kelp Help							
Living Research							
Marsh Munchers							
Mermaids and Manateees							
Micro Odyssey							
Migration Headache							
Net Gain, Net Effect							
Plastic Voyages							
Pond Succession							
Puddle Wonders!							
Riparian Retreat							
Sea Turtles International							
Silt: A Dirty Word							
Sockeye Scents							
Something's Fishy Here!							
The Glass Menagerie							
To Dam or Not to Dam							
Turtle Hurdles							

	Kindergarten			1st Grade			
Aquatic WILD	**K.L.1.1**	**K.L.1.2**	**1.L.1.1**	**1.L.1.2**	**1.L.1.3**	**1.L.2.1**	**1.L.2.2**
Urban Waterway Checkup							
Water Canaries							
Water Plant Art			X	X		X	X
Water Safari		X	X	X			X
Water We Eating?							
Water Wings							
Water Works							
Watered-Down History							
Watershed							
Wetland Metaphors							
Whale of a Tail							
What's in the Air?							
What's in the Water?							
Where Does Water Run?							
Where Have All the Salmon Gone?							
Working for Wildlife							

	2nd Grade			
Aquatic WILD	**2.L.1.1**	**2.L.1.2**	**2.L.2.1**	**2.L.2.2**
A Whale of an Issue				
Alice in Waterland				
Aqua Words				
Aquatic Roots				
Aquatic Times				
Are You Me?	X	X	X	X
Blue Ribbon Niche				
Conservation Messaging				
Dam Design				
Designing a Habitat	X	X		
Dragonfly Pond				
Eat and Glow				
Edge of Home				
Facts and Falsehoods				
Fashion a Fish	X		X	X
Fishable Waters				
Fishy Who's Who				X
Gone Fishing!				
Got Water?				
Hooks and Ladders				
How Wet Is Our Planet?				
Kelp Help				
Living Research				
Marsh Munchers				
Mermaids and Manateees				
Micro Odyssey				
Migration Headache				
Net Gain, Net Effect				
Plastic Voyages				
Pond Succession				
Puddle Wonders!				
Riparian Retreat				
Sea Turtles International				
Silt: A Dirty Word				
Sockeye Scents	X			
Something's Fishy Here!				
The Glass Menagerie				
To Dam or Not to Dam				
Turtle Hurdles	X			

	2nd Grade			
Aquatic WILD	**2.L.1.1**	**2.L.1.2**	**2.L.2.1**	**2.L.2.2**
Urban Waterway Checkup				
Water Canaries				
Water Plant Art			X	X
Water Safari				
Water We Eating?				
Water Wings				
Water Works				
Watered-Down History				
Watershed				
Wetland Metaphors				
Whale of a Tail				
What's in the Air?				
What's in the Water?				
Where Does Water Run?				
Where Have All the Salmon Gone?				
Working for Wildlife				

		3rd Grade		
Aquatic WILD	**3.L.2.1**	**3.L.2.2**	**3.L.2.3**	**3.L.2.4**
A Whale of an Issue				
Alice in Waterland				
Aqua Words				
Aquatic Roots				
Aquatic Times				
Are You Me?				
Blue Ribbon Niche				
Conservation Messaging				
Dam Design				
Designing a Habitat				
Dragonfly Pond		X		
Eat and Glow				
Edge of Home		X		
Facts and Falsehoods				
Fashion a Fish				
Fishable Waters				
Fishy Who's Who				
Gone Fishing!				
Got Water?				
Hooks and Ladders				
How Wet Is Our Planet?				
Kelp Help	X			
Living Research				
Marsh Munchers				
Mermaids and Manateees				
Micro Odyssey				
Migration Headache				
Net Gain, Net Effect				
Plastic Voyages				
Pond Succession				
Puddle Wonders!				
Riparian Retreat				
Sea Turtles International				
Silt: A Dirty Word				
Sockeye Scents				
Something's Fishy Here!				
The Glass Menagerie				
To Dam or Not to Dam				
Turtle Hurdles				

		3rd Grade		
Aquatic WILD	**3.L.2.1**	**3.L.2.2**	**3.L.2.3**	**3.L.2.4**
Urban Waterway Checkup				
Water Canaries				
Water Plant Art	X			
Water Safari				
Water We Eating?				
Water Wings				
Water Works				
Watered-Down History				
Watershed				
Wetland Metaphors		X		X
Whale of a Tail				
What's in the Air?				
What's in the Water?				
Where Does Water Run?				
Where Have All the Salmon Gone?				
Working for Wildlife				

	4th Grade				
Aquatic WILD	**4.L.1.2**	**4.L.1.3**	**4.L.1.4**	**4.L.2.1**	**4.L.2.2**
A Whale of an Issue					
Alice in Waterland		X			
Aqua Words		X			
Aquatic Roots	X	X			
Aquatic Times		X			
Are You Me?					
Blue Ribbon Niche	X	X	X		
Conservation Messaging					
Dam Design					
Designing a Habitat	X	X			
Dragonfly Pond		X			
Eat and Glow					
Edge of Home	X	X			
Facts and Falsehoods					
Fashion a Fish	X		X		
Fishable Waters					
Fishy Who's Who	X	X			
Gone Fishing!					
Got Water?	X	X			
Hooks and Ladders	X	X	X		
How Wet Is Our Planet?		X			
Kelp Help					
Living Research					
Marsh Munchers	X				
Mermaids and Manateees					
Micro Odyssey	X				
Migration Headache	X	X	X		
Net Gain, Net Effect		X			
Plastic Voyages		X			
Pond Succession	X				
Puddle Wonders!	X				
Riparian Retreat	X	X			
Sea Turtles International					
Silt: A Dirty Word		X			
Sockeye Scents	X		X		
Something's Fishy Here!		X			
The Glass Menagerie					
To Dam or Not to Dam	X	X			
Turtle Hurdles	X	X	X		

	4th Grade				
Aquatic WILD	**4.L.1.2**	**4.L.1.3**	**4.L.1.4**	**4.L.2.1**	**4.L.2.2**
Urban Waterway Checkup	X	X			
Water Canaries	X	X	X		
Water Plant Art					
Water Safari					
Water We Eating?		X		X	
Water Wings		X			
Water Works		X			
Watered-Down History		X			
Watershed					
Wetland Metaphors		X			
Whale of a Tail					
What's in the Air?		X			
What's in the Water?					
Where Does Water Run?					
Where Have All the Salmon Gone?					
Working for Wildlife					

	5th Grade			
Aquatic WILD	**5.L.2.2**	**5.L.2.3**	**5.L.3.1**	**5.L.3.2**
A Whale of an Issue				
Alice in Waterland				
Aqua Words				
Aquatic Roots		X		
Aquatic Times				
Are You Me?	X		X	X
Blue Ribbon Niche	X	X		
Conservation Messaging				
Dam Design				
Designing a Habitat		X		
Dragonfly Pond				
Eat and Glow				
Edge of Home		X		
Facts and Falsehoods				
Fashion a Fish				X
Fishable Waters				
Fishy Who's Who	X	X		
Gone Fishing!				
Got Water?		X		
Hooks and Ladders		X		
How Wet Is Our Planet?				
Kelp Help	X	X		
Living Research				
Marsh Munchers	X	X		
Mermaids and Manateees				
Micro Odyssey	X	X		
Migration Headache		X		
Net Gain, Net Effect				
Plastic Voyages				
Pond Succession		X		
Puddle Wonders!				
Riparian Retreat		X		
Sea Turtles International				
Silt: A Dirty Word		X		
Sockeye Scents				
Something's Fishy Here!				
The Glass Menagerie				
To Dam or Not to Dam				
Turtle Hurdles		X		

	5th Grade			
Aquatic WILD	**5.L.2.2**	**5.L.2.3**	**5.L.3.1**	**5.L.3.2**
Urban Waterway Checkup		X		
Water Canaries				
Water Plant Art	X	X		
Water Safari				
Water We Eating?				
Water Wings				
Water Works				
Watered-Down History				
Watershed				
Wetland Metaphors		X		
Whale of a Tail				
What's in the Air?		X		
What's in the Water?				
Where Does Water Run?				
Where Have All the Salmon Gone?				
Working for Wildlife				

Grade Level	NC Science Essential Standards Clarifying Objectives		Aquatic WILD Activity Correlations
K	K.L.1.1	Compare different types of the same animal (i.e. different types of dogs, different types of cats, etc.) to determine individual differences within a particular type of animal.	Fashion a Fish
	K.L.1.2	Compare characteristics of living and nonliving things in terms of their: structure, growth, changes, movement, and basic needs.	Are You Me?; Fashion a Fish; Water Safari
1st	1.L.1.1	Recognize that plants and animals need air, water, light (plants only), space, food and shelter and that these may be found in their environment.	Aqua Words; Water Plant Art; Water Safari
	1.L.1.2	Give examples of how the needs of different plants and animals can be met by their environments in North Carolina or different places throughout the world.	Aqua Words; Water Plant Art; Water Safari
	1.L.1.3	Summarize ways that humans protect their environment and/or improve conditions for the growth of the plants and animals that live there (e.g., reuse or recycle products to avoid littering).	Aqua Words
	1.L.2.1	Identify ways in which many plants and animals closely resemble their parents in observed appearance and ways they are different.	Water Plant Art
	1.L.2.2	Summarize the basic needs of a variety of different animals (including air, water, and food) for energy and growth.	Aqua Words; Water Plant Art; Water Safari

2nd	2.L.1.1	Summarize the life cycle of animals: birth, developing into an adult, reproducing, aging, and death.	Are You Me?; Designing a Habitat; Fashion a Fish; Sockeye Scents
	2.L.1.2	Compare life cycles of different animals such as, but not limited to, mealworms, ladybugs, crickets, guppies or frogs.	Are You Me?; Designing a Habitat
	2.L.2.1	Identify ways in which many plants and animals closely resemble their parents in observed appearance and ways they are different.	Are You Me?; Fashion a Fish; Water Plant Art
	2.L.2.2	Recognize that there is variation among individuals that are related.	Are You Me?; Fashion a Fish; Fishy Who's Who; Water Plant Art
3rd	3.L.2.1	Remember the function of the following structures as it relates to the survival of plants in their environment; Roots, stems, leaves, flowers.	Kelp Help; Water Plant Art
	3.L.2.2	Explain how environmental conditions determine how well plants survive and grow.	Dragonfly Pond; Edge of Home; Wetland Metaphors
	3.L.2.4	Explain how the basic properties and components of soil determine the ability of soil to support the growth and survival of many plants.	Wetland Metaphors

4th	4.L.1.1	Give examples of changes in an organism's environment that are beneficial to it and some that are harmful.	Alice in Waterland; Aquatic Roots; Aquatic Times; Blue Ribbon Niche; Designing a Habitat; Dragonfly Pond; Edge of Home; Got Water?; Hooks and Ladders; Migration Headache; Net Gain, Net Effect; Plastic Voyages; Pond Succession; Riparian Retreat; Silt: A Dirty Word; Sockeye Scents; Something's Fishy Here; To Dam or Not to Dam; Urban Waterway Checkup; Water Canaries; Wetland Metaphors; What's in the Air?
	4.L.1.2	Explain how animals meet their needs by using behaviors in response to information received from the environment.	Aquatic Times; Blue Ribbon Niche; Designing a Habitat; Edge of Home; Fashion a Fish; Fishy Who's Who; Got Water?; Hooks and Ladders; Marsh Munchers; Micro Odyssey; Migration Headache; Pond Succession; Puddle Wonders!; Riparian Retreat; Sockeye Scents; To Dam or Not to Dam; Urban Waterway Checkup; Water Canaries
	4.L.1.3	Explain how humans can adapt their behavior to live in changing habitats (e.g., recycling wastes, establishing rain gardens, planting trees and shrubs to prevent flooding and erosion).	Alice in Waterland; Aqua Words; Aquatic Roots; Aquatic Times; Blue Ribbon Niche; Designing a Habitat; Dragonfly Pond; Edge of Home; Fishy Who's Who; Got Water?; Hooks and Ladders; How Wet Is Our Planet?; Migration Headache; Net Gain, Net Effect; Plastic Voyages; Riparian Retreat; Silt: A Dirty Word; Something's Fishy Here!; To Dam or Not to Dam; Urban Waterway Checkup; Water Canaries; Water We Eating?; Water Wings; Water Works; Watered-Down History; Wetland Metaphors; What's in the Air?
	4.L.1.4	Explain how differences among animals of the same population sometimes give individuals an advantage in surviving and reproducing in changing habitats.	Blue Ribbon Niche; Fashion a Fish; Hooks and Ladders; Migration Headache; Sockeye Scents; Water Canaries
	4.L.2.1	Classify substances as food or non-food items based on their ability to provide energy and materials for survival, growth, and repair of the body.	Water We Eating?

5th	5.L.2.1	Compare the characteristics of several common ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests, and grasslands.	Aqua Words; Are You Me?; Blue Ribbon Niche; Designing a Habitat; Dragonfly Pond; Edge of Home; Fishy Who's Who; Got Water?; Hooks and Ladders; How Wet Is Our Planet?; Kelp Help; Marsh Munchers; Migration Headache; Plastic Voyages; Pond Succession; Riparian Retreat; Silt: A Dirty Word; Sockeye Scents; Urban Waterway Checkup; Water Plant Art; Water We Eating; Wetland Metaphors
	5.L.2.2	Classify the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers (biotic factors).	Are You Me?; Blue Ribbon Niche; Fishy Who's Who; Kelp Help; Marsh Munchers; Micro Odyssey; Water Plant Art
	5.L.2.3	Infer the effects that may result from the interconnected relationship of plants and animals to their ecosystem.	Aquatic Roots; Blue Ribbon Niche; Designing a Habitat; Edge of Home; Fishy Who's Who; Got Water?; Hooks and Ladders; Kelp Help; Marsh Munchers; Micro Odyssey; Migration Headache; Pond Succession; Riparian Retreat; Silt: A Dirty Word; Urban Waterway Checkup; Water Plant Art; Wetland Metaphors; What's in the Air?
	5.L.3.1	Explain why organisms differ from or are similar to their parents based on the characteristics of the organism.	Are You Me?
	5.L.3.2	Give examples of likenesses that are inherited and some that are not.	Are You Me?; Fashion a Fish