

Rings, Ripples, and Echoes UBD (Understanding By Design) Framework: 3rd-4th

		Desired Results	
Goals of Program		Transfer	
<p>Students will ...</p> <ul style="list-style-type: none"> • Enrich their understanding of place through inquiry. • Experience National Parks as places for learning and recreation and develop a personal connection with their local National Park. • Learn about the historical, cultural, and environmental forces that shape and influence Muir Woods. 	<ul style="list-style-type: none"> • Recognize that there is a relationship between culture and the land. • Engage in scientific inquiry and plant identification. 		
	Meaning		<p>Enduring Understandings</p> <p>Students will understand that:</p> <ol style="list-style-type: none"> 1. Living things adapt in order to survive in a changing world. 2. Culture and land are related. 3. Individuals and communities can help protect and preserve natural environments.
Acquisition		Evidence	
<p>Students will know...</p> <ul style="list-style-type: none"> • The ways in which living things thrive in Muir Woods. • How Native American values shape their relationship with Muir Woods. • Animals and plants adapt to a changing environment. • The indications of a healthy habitat. 	<p>Students will be able to ...</p> <ul style="list-style-type: none"> • Identify the Native American uses of plants found in Muir Woods. • Recognize signs of a healthy environment in Muir Woods. • Explain how plants and animals adapt for survival in Muir Woods. 		

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CA Next Generation Science Standards

3-LS4-3: In a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

3-LS4-4: Determine whether environmental changes can affect the types of animals and plants in a place.

4-LS1-1: Plants have internal and external structures that function to support survival.

<http://www.cde.ca.gov/pd/ca/sc/ngsstandards.asp>

CA History-Social Science Content Standards

3.22: Discuss the ways in which physical geography, including climate, influenced how the local Indian nations adapted to their natural environment.

4.2.1. Discuss the major nations of California Indians, including their geographic distribution, legends; and describe how they depended on, adapted to the land.

<http://www.cde.ca.gov/be/st/ss/documents/histsocscistnd.pdf>

CA Common Core Standards

Writing

3.3 & 3.4: Write narratives to develop real or imagined experiences or events.

Speaking and Listening

1.3 & 1.4 : Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led).

www.cde.ca.gov/be/st/ss/documents/finaelaccsstandards.pdf

National Park Service Curriculum Resources

- Rings, Ripples, and Echoes web curriculum portal : <http://www.nps.gov/goga/forteachers/elementary-04.htm>
- Save the Redwoods League: <https://www.savetheredwoods.org/>