



# Big Break Regional Shoreline

## In-Person Interpretive Program Descriptions

In-Person Program	Grade	Duration	MAX Participants
<p><b>Creatures of the Wetland</b>            Discover why many different animals live at Big Break. From mammals and birds to fish and insects, students will learn how various creatures can survive and thrive in a wetland habitat.</p> <p>NGSS: K-LS1-1, K-ESS3-3, 1-LS1-1, 1-LS1-2, 2-LS4-1</p>	K – 2 <sup>nd</sup>	1.5 - 2 hours	60 students
<p><b>Discover the Delta Watershed</b>            Learn about water in one of California’s most significant watersheds – the Delta. Our 1,200 square-foot Delta map and targeted field/learning activities clarify watershed concepts, processes, and applications to students’ lives.</p> <p>NGSS: 3-PS2-2, 3, 3-LS4-3, 3-ESS3-1, 4-PS3-3, 4-ESS2-1, 5-LS2-1, MS-LS2-1, MS-ESS3-4</p>	3 <sup>rd</sup> – 8 <sup>th</sup>	1.5 - 2 hours	60 students
<p><b>Kayaking Big Break</b>            There is no better way to explore and understand the wonders of the Delta than by Kayak.  <b>FEE PROGRAM.</b> Please call 510-544-3050 for program details and pricing.</p>	8 <sup>th</sup> – 12 <sup>th</sup>	3 hours	12 people per rotation (max. 2 rotations per day)
<p><b>Delta Wetlands Inquiry</b>            Explore the science of the Delta and its powerful impact on everyday lives. Your class will create and test a hypothesis about the Delta ecosystem. Field work may include sampling water chemistry, cataloging wetland plants, investigating invertebrates, or more.</p>	All	2 – 3 hours	60 students
<p><b>Delta Variety</b>            We’ll set up multiple stations with opportunities to explore the unending variety of the Delta. Plants, animals, crafts, games, and other activities are all guaranteed to make Delta experts out of your large group.</p>	All	1 – 3 hours	150 students



# Big Break Regional Shoreline

## Digital Learning/Naturalist in Class

### Interpretive Program Descriptions



Programs can be offered via Zoom or we can come to your classroom

Learning Program	Grade	Duration	MAX Participants
<p><b>Creatures of the Wetland</b>            Discover why many different animals live at Big Break! Students will learn that all creatures have basic needs to live and grow, while they explore how some of the wetland residents find food and shelter in this watery habitat.</p> <p>NGSS – K-LS1-1, K-ESS3-1, K-ESS3-3</p>	K	30 minutes	1 class per session (max. 4 sessions per visit)
<p><b>Big Break Bodies</b>            Wetlands are lands that are wet and Big Break’s animals have special body parts that help them live and grow in this habitat. Students will discover how wetland residents use their bodies to find food – and then they will be challenged to solve their own engineering problems by mimicking the animals at Big Break.</p> <p>NGSS: 1-LS1-1</p>	1 <sup>st</sup>	30 minutes	1 class per session (max. 4 sessions per visit)
<p><b>Wetland Plant Safari</b>            Join the plant safari and discover the incredible diversity of Big Break’s flora! Students will learn that wetlands are home to many different kinds of plants because of the variety of habitats they offer – And then, students will create their very own Big Break plant and learn how to protect it.</p> <p>NGSS: 2-LS4-1</p>	2 <sup>nd</sup>	45 minutes	1 class per session (max. 4 sessions per visit)
<p><b>Hootin’ Habitats</b>            Did you know that owls protect our homes and our food? Students will dissect owl pellets and discover how these wonderful birds provide pest control through their hunting habits. Students will also find out that we can help owls by protecting safe spaces like Big Break that they need to live and grow.</p> <p>NGSS: 3-LS1-1 &amp; 3-LS4-4</p>	3 <sup>rd</sup>	45 minutes	1 class per session (max. 4 sessions per visit)
<p><b>Little Levees, Big Break</b>            From Habitat diversity and drinking water to agriculture and industry, the Delta is a California life force – but this life force needs help. Students will discover the region’s complex history and work together to define current problems and generate feasible solutions to improving the Delta’s infrastructure through hands-on models and activities.</p> <p>NGSS: 3-5-ETS1-1, 3-5-ETS1-2, 3-5-ETS1-3</p>	4 <sup>th</sup> /5 <sup>th</sup>	1 hour	1 class per session (max. 4 sessions per visit)