



## **Camp SEA Lab Curriculum Kits Check-out Form**

Camp SEA Lab has a variety of marine-themed kits available for check-out. Our kits have the main elements needed for each activity. Just add sand, squid, or water and you are ready to go! Science Standards correlations are available on the links provided. To check out a kit for use in your classroom, please fill out this form by noting the week you'd like to use it. Kits may be checked out for two weeks with a \$50 deposit and are available at the Camp SEA Lab office. Please return the form to us: fax 831-582-3691 or [hcampbell@csumb.edu](mailto:hcampbell@csumb.edu)

### **\_\_\_\_\_ Rocky Intertidal Sampling (MBNMS LiMPETS):**

[http://limpetsmonitoring.org/rocky\\_intertidal.php](http://limpetsmonitoring.org/rocky_intertidal.php)

Students practice scientific sampling of organisms in the rocky intertidal zone. Kit includes transect squares, species ID guides, and sampling instructions. Pair this kit with a field trip with Camp SEA Lab to the tide pools!

### **\_\_\_\_\_ Sand Crab Sampling (MBNMS LiMPETS):**

[http://limpetsmonitoring.org/sandy\\_beach.php](http://limpetsmonitoring.org/sandy_beach.php)

Students practice scientific sand crab sampling on the sandy beach. Kit includes sampling equipment, charts, and visuals for teaching about sand crabs and sampling techniques. Pair this kit with a field trip with Camp SEA Lab!

### **OPEN OCEAN (MARE) 5<sup>th</sup>-8<sup>th</sup> Grade**

<http://lawrence.science.museum/mare/oiresources/curriculum/ocean/overview.html>

#### **\_\_\_\_\_ Activity 1: Apples and Oceans**

Students work in pairs, using an apple and a circle graph to represent the planet. They carefully section the apple and the graph into wedges representing various critical resources on the planet.

#### **\_\_\_\_\_ Activity 4: Current Trends**

Cooperative student groups examine the relationship between temperature, salinity, and density as they rotate through three different activities and experiments stations.

#### **\_\_\_\_\_ Activity 6: The Great Plankton Race**

Students discuss plankton and focus on their adaptations maintaining neutral buoyancy. Students then construct plankton models from materials of various shapes and densities to simulate adaptations, which alter sinking rates.

#### **\_\_\_\_\_ Activity 7: Squids—Outside and Inside**

Students work in pairs to dissect a squid as they investigate structure, function, and adaptations of the squid. The supplemental Squid Cooking Kit allows students to experience the flavor of squid!

### **KELP FOREST (MARE) 4<sup>th</sup> – 6<sup>th</sup> Grade**

<http://lawrence.science.museum/mare/oiresources/curriculum/kelp/overview.html>

#### **\_\_\_\_\_ Activity 3: It Takes All Kinds**

Adaptations are features and behaviors that can improve an organisms chance for survival. Students observe some common fish observations as a group, then using fresh fish from the market, students identify color and shape adaptations and use this information to predict fish habitat and lifestyle.

#### **\_\_\_\_\_ Activity 4: Sea Otter Jeopardy**

Sea otters have many adaptations that help them to be successful in their kelp forest habitat. Cooperation, encouraging others, taking careful notes and using other available information posted around the room helps to insure that everyone is successful in learning new information.

### **WETLANDS (MARE) 3<sup>rd</sup> -5<sup>th</sup> Grade**

<http://lawrence.science.museum/mare/oiresources/curriculum/wetlands/overview.html>

#### **\_\_\_\_\_ Activity 7: Bird Beak Buffet**

Students role-play species of birds with beaks of different shapes and sizes. They gather different food items with their beaks, graph the results and compare their feeding success.

**SANDY SHORES (MARE) 2<sup>nd</sup> – 4<sup>rd</sup> Grade**

<http://lawrence.science.museum/mare/loiresources/curriculum/sandy/overview.html>

**Activity 1: Beach Bucket Scavenger Hunt**

Students are introduced to the idea of a beach and work in small cooperative groups to explore a simulated sandy beach in a plastic tub that is littered with beach drift and debris. Through a sorting activity, they discover that biotic objects found on the sandy beach can be grouped by evidence of plant life, animal life and humans.

**Activity 5: Ears To You**

Students work cooperatively to teach each other about the adaptations that seals and sea lions have for living in the ocean, and about the differences between seals and sea lions. Then students participate in a game show to check for understanding.

**Beach in a Pan (California Coastal Commission)**

[www.coastal.ca.gov/publiced/waves/waves\\_entire.pdf](http://www.coastal.ca.gov/publiced/waves/waves_entire.pdf)

Small student groups build models of a beach and explore the forces that shape it. Is it a good idea to build a house on the sand or beach cliff? Find out!

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**Kit Request:** please mark each kit you are interested in with the week you'd like the kit

Teacher Name: \_\_\_\_\_

School: \_\_\_\_\_

Address: \_\_\_\_\_

Contact #: \_\_\_\_\_

Date Checked-out: \_\_\_\_\_ Date Returned: \_\_\_\_\_

Deposit of \$50 per kit required