



MT. DIABLO UNIFIED SCHOOL DISTRICT  
AYERS ELEMENTARY SCHOOL  
5120 Myrtle Drive  
Concord, California 94521-1522  
(925) 682-7686

November 10, 2015

This memo is to state the understanding that Ayers Elementary 5<sup>th</sup> grade students will not participate in Camp Sea Lab's "Kayaking the Slough" activity during their Outdoor Education program, March 14-16 2016.

Handwritten signature of Laura Casdia in black ink.

Laura Casdia  
Principal

Handwritten signature of Bryan McShane in black ink.

Bryan McShane  
5<sup>th</sup> grade Teacher  
Lead Teacher contact

Handwritten signature of Allison Newlin in black ink.

Allison Newlin  
5<sup>th</sup> grade Teacher

Handwritten signature of Meredith Yalenty in black ink.

Meredith Yalenty  
5<sup>th</sup> grade SDC Teacher

## Laura Juranek

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**From:** cgibson@csumb.edu on behalf of Camp SEA Lab <campsealab@csumb.edu>  
**Sent:** Tuesday, November 10, 2015 1:02 PM  
**To:** Laura Juranek  
**Subject:** Camp SEA Lab programming for Mt Diablo USD

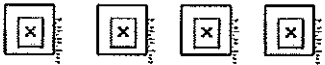
Dear Laura,

As we proceed through the contracting phase with Mt Diablo USD, we recognize that schools in your district, while attending Camp SEA Lab's Outdoor School program, will not be participating in any program activity that includes kayaking. A notation to this fact has been included in the files and schedule for Ayers Elementary and Westwood Elementary for spring 2016.

Sincerely,  
Chris

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Christine Gibson  
Operations Coordinator  
**Camp SEA Lab**  
100 Campus Center, Bldg 42  
Seaside, CA 93955  
831-582-3681

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*"Fostering lifelong excitement, scientific understanding and stewardship of our coasts and ocean."*



Camp SEA Lab  
Science, Education & Adventure

# Program Planner

Please submit to Camp SEA Lab  
at least 4 weeks prior to your program's start date.

## Group Information

School or Group: \_\_\_\_\_ Grade: \_\_\_\_\_

Trip Leader: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (home): \_\_\_\_\_ Phone (cell): \_\_\_\_\_

Email: \_\_\_\_\_ Best time to call: \_\_\_\_\_

## Transportation Information

We will arrive by: (✓) Bus  Cars/Vans  Est. Arrival Time: \_\_\_\_\_ Departure: \_\_\_\_\_

**Please note:** Plan to arrive at 11:00 am and depart at 1:00 pm. Please be aware that our sites require advance notice in order to accommodate timing adjustments.

## Student Information

Number of Students attending: Female \_\_\_\_\_ Male \_\_\_\_\_ Age Range \_\_\_\_\_

Please describe the cultural diversity of your students:

\_\_\_\_\_ % African American \_\_\_\_\_ % Asian/Fillipino \_\_\_\_\_ % Caucasian \_\_\_\_\_ % Hispanic/Latino

\_\_\_\_\_ % Native American \_\_\_\_\_ % Pacific Islander \_\_\_\_\_ % Multi (two or more races)

Include notations of medical, dietary, and special needs on the Pod and Dorm Assignment forms.

**Adult Information:** Additional adults over the ratios stated below will be required to pay the full program tuition.

Number of Chaperones attending: Female \_\_\_\_\_ Male \_\_\_\_\_ Age Range \_\_\_\_\_

**Please note:** 1 chaperone per every 10 students is required.

Please list names, any medical/dietary considerations, and their child's name:

Number of Teachers attending: Female \_\_\_\_\_ Male \_\_\_\_\_

**Please note:** 1 teacher per every 30 students is required.

Teacher names, medical/dietary considerations, and subject(s) taught:

**Gear Order (estimate):** This pre-program order of Camp SEA Lab gear will be distributed at Outdoor School.

	Youth Large	Adult Small	Adult Medium	Adult Large	Adult X-Large
T-shirt					
Hooded Sweatshirt					

## Instructional Plan

**Day Activities:** Please rate the activity choices from 1 (most important) to 7 (least important).

- \_\_\_\_\_ *Kayaking the Slough:* Students learn about watersheds and estuarine environments and their importance to the ocean and humans as they kayak Elkhorn Slough and the Moss Landing Harbor. Do not choose this item if your school/district does not allow water activities.
- \_\_\_\_\_ *Plankton & Food Chains:* Students examine plankton samples taken from our kayak site. They explore plankton adaptations, and human impacts as they study plankton samples and participate in plankton related activities.
- \_\_\_\_\_ *Sand Crab Monitoring:* Students learn scientific method, data & specimen collection practices, and data evaluation in our monitoring program, adapted from LIMPETS.
- \_\_\_\_\_ *Ocean Currents & Tides:* Students engage in activities illustrating tidal processes and demonstrating how ocean currents distribute water, nutrients, and debris throughout the globe.
- \_\_\_\_\_ *Marine Debris:* Students examine this marine issue by learning what marine debris is and the role it plays in the health of our ocean. This program may include a beach clean-up and debris analysis from a local beach.
- \_\_\_\_\_ *Water, Water, Water:* Students design a watershed model to discover the intricate connection between land and sea, while discovering the importance and influence of water quality on that connection.
- \_\_\_\_\_ *Ocean Acidification:* Students will focus on the chemistry of acid and how it relates to ocean health. Students explore the effects of acid on marine invertebrate exoskeletons. (7/8<sup>th</sup> grade recommended)
- \_\_\_\_\_ *Other:* \_\_\_\_\_

**Evening Activities:** Please rate the activity choices from 1 (most important) to 5 (least important).

- \_\_\_\_\_ *Squid-Inside and Out:* Student pairs explore the internal and external anatomy of the Market Squid (*Loligo opalescens*) during a hands-on, instructor-led dissection. A calamari tasting session will follow!
- \_\_\_\_\_ *Beach Night Hike & Campfire:* Students use their senses to explore night on the beach and close the evening with campfire songs & stories. This is a great way to give students some focused play time.
- \_\_\_\_\_ *Town Hall Meeting:* Students, acting as stakeholders in a simulated town hall meeting, will dress up and present their roles in defining boundaries for a local Marine Protected Area. (7/8th grade recommended)
- \_\_\_\_\_ *Into the Abyss:* Students learn about deep-sea habitats, adaptations, and the techniques used to explore this relatively unknown world. A group game illustrates the challenge of finding food in the deep sea.
- \_\_\_\_\_ *Sharks - Secrets Revealed:* Students will get to know some of the top predators in Monterey Bay and explore the adaptations they possess that make them such varied and effective survivors.

## Academic Content

1. Please list the relevant concepts and activities that you have covered throughout the academic year and how you have prepared your students for the Camp SEA Lab experience.
  
  
  
  
  
  
  
  
  
  
2. Please describe your learning objectives for your students during their Camp SEA Lab experience.  
*Academic, social, other:*
  
  
  
  
  
  
  
  
  
  
3. We provide logbooks for your students to use during our instruction time. How do you anticipate utilizing them with your students? (✓)  graded activity  non-graded activity  other (state below)