



The Connections Program would like to invite all homeschool families to join us for a day on Resurrection Bay

Date: May 4, 2020 Seward, AK

Length of Trip : 5 hours

Price/Sign Up: \$55.00/pp (This is reimbursable for students)

Payment Required: Within 2 Weeks of reservation and no later than April 1st. No refunds after April 1st. - Call or Email Julie Lindquist for **reservations or additional info.** A minimum of 40 participants are needed to make this happen.

Space is Limited, Reserve Early. Contact Info— (907) 224-9035 or email jlindquist@kpbsd.k12.ak.us

Recommended ages: Labs/activities geared for grades 3 – 8 (Infants are not able to be accommodated onboard)

Parent Chaperone Required: All students participating are required to have a parent/chaperone attend

Departure Information: 10:00am–3:00pm - Check in 9:30 Board @ 9:45

Program Information:

The goal of the Marine Science Explorer Program is to provide students with an exceptional learning environment, to help students understand and appreciate the marine ecosystem in the Gulf of Alaska, and inspire interest in Marine Science. During the five-hour cruise, we explore beyond the surface of the water. Students are introduced to sampling techniques and lab activities as they investigate seawater and plankton. Students observe marine mammals and seabirds in their natural habitat and consider their adaptations. In this living laboratory, students are encouraged to examine how these pieces fit together into an ecosystem concept

One instructor staffs each thirty-minute station. We ask that students are accompanied by a chaperone.

Information and Materials Presented:

*Seawater Analysis * Plankton Analysis * Seabird and Marine Mammal Adaptations*

* Fjord Ecosystem *

Students Will:

- * Investigate the fjord and estuary ecosystem in Resurrection Bay.
- * Collect seawater, then use thermometers and hydrometers to determine the salinity of the sample.
- * Use a Secchi disk to determine the turbidity of the water.
- * Use a plankton net to collect phytoplankton and zooplankton for examination under microscopes.
- * Observe interaction of Southcentral Alaska's intertidal organisms in a saltwater aquarium.
- * Examine mounts of Alaskan seabirds and discuss marine mammal and seabird adaptations to the subarctic marine environment.
- * Observe mammals and seabirds in their natural habitat, and view the bustling spring activity at Cape Resurrection!

Please remember to:

Bring brownbag lunch & dress warmly!