



Sitka Sound Science Center Summer Camps 2020

The theme for Summer Camp 2020 is “Scale”! Think big to little, little to big, microscopic to macroscopic, seed to sprout, dirt to mountain, high tech to low tech - all SSSC 2020 summer camps will explore the building blocks as well as the final product through high energy activities, field trips, and lots of scientific thinking! Check out our 2020 camp schedule below:

Camp Descriptions:

Camps for those Entering 1st – 3rd grade

Gimme Shelter: Campers will study the builders of the natural world - birds, insects, and mammals- and their structural masterpieces. Fitting in with the summer camp theme of “scale”, campers will examine the individual materials that go into building a shelter as well as the overall shape and structure of a shelter. Expect outdoor excursions every day as well as art and science explorations.

Date: June 15 - 18, 9:00am – Noon

Cost: \$90 Salmon Level Membership and above, \$120 Non-Members

Seed to Sprout: How do trees stand so tall? Why do plants break instead of bend? How do roots get food from the leaves of plants? During this camp, campers will explore the structure of plants and the essential things that plants need to go from seed to sprout and beyond! Expect lots of collecting, crawling through the forest, close examination, and production of art.

Date: July 6 – 9, 9:0am – Noon

Cost: \$90 Salmon Level Membership and above, \$120 Non-Members

Camp for those entering 4th – 6th grade

Digging Holes: What can we learn by digging into the forest floor or coring a tree? Dr. Brian Buma, Professor from University of Colorado will lead students in lab and field studies to reveal new ideas about our local forests. This camp involves field excursions where students will hike, dig, and learn forestry techniques. Please note that we have fewer days with longer hours to accommodate the field demands of this camp.

Date: June 2 and 3, 9:00am – 2pm

Cost: \$90 Salmon Level Membership and above, \$120 Non-Members

SITKA SOUND SCIENCE CENTER

834 Lincoln Street, Suite 200
Sitka, Alaska 99835
Admin Phone: 907.747.8878
www.sitkascience.org



Make up Your Mind! Neurons and the Brain – small to big; Reflexes and Memory – simple to complex. Campers will explore what we know about nervous system control and our abilities to “make up our minds”.

Date: July 20- 23, 9:00am – Noon

Cost: \$90 Salmon Level Membership and above, \$120 Non-Members

Camps for those entering 7th – 9th grade

Ocean Adventure: Middle-schoolers who have an adventurous spirit can explore the marine world from paddleboards and snorkeling. This year the camp finale will be an overnight camping trip at Pirates Cove! Limited space is available.

Date: June 29 – July 1, 4:00 – 7:00pm

July 2 – 3 (overnight camping trip) 4:00pm – 9:00am

Cost: \$120 Salmon Level Membership and above, \$150 Non-Members

Camps for those entering 7th – 12th grade

Revolution Workshops: These workshops offer engineering opportunities for our future world-changers to brainstorm, design, model, build, and test ideas. Working engineers and experts in the field will facilitate these workshops perfect for creative thinkers and motivated doers. This year, engineers entering 7th – 12th grades can choose to register and attend 1, 2, or all 3 workshops. Tailor the workshops to your interests and schedule!

Workshop 1: Arduinos *Date: Jul 27 Time: 1 pm – 4 pm*

Workshop 2: Sphero Robots *Date: Jul 28 Time: 1 pm – 4 pm*

Workshop 3: Life-sized Computer *Date: Jul 29 and Jul 30 Time: 1 pm – 4 pm*

Cost: \$30/day or \$100/week for Salmon Level Membership and above

SITKA SOUND SCIENCE CENTER

834 Lincoln Street, Suite 200
Sitka, Alaska 99835
Admin Phone: 907.747.8878
www.sitkascience.org



\$40/day or \$120/week for Non-Members

Camps for Families

Family Camp - Geology: Family camps are perfect for everyone – parent(s) and children, visiting favorite aunt/uncle and their nephews/nieces, or grandparents looking for quality time opportunities with grandchildren, and so on. Treat the family to a uniquely fun time together while working side by side with visiting scientists and SSSC staff! More information on the 2020 theme to follow.

Date: June 22 - 24, 9:00am – 1:00pm (lunch provided)

Cost: \$120 Salmon Level Membership and above, \$150 Non-Members

Adult Opportunities

Artistry of Algae:

The Sitka Sound Science Center is taking advantage of the super low tides and will be offering an intertidal exploration for adults interested in learning more about the mysterious plants of the intertidal zone! Join us for one or two early morning beach walks followed by an evening classroom session where we will examine, identify, and create art with our collected algal specimens while indulging in sushi rolls.

Date: June 4 and/or June 5, 7:00 – 8:30am

June 5, 5:00-8:00pm

Cost: \$45 Any Membership, \$55 Non-Members

Snorkel into Science:

Join us for this unique underwater opportunity where the ocean will be our classroom, the fish will be our teachers, and wetsuits will be our uniforms. From microscopic plankton and barnacle larva to pinto abalone and giant kelp, this adult camp will explore all parts of the unknown underwater world. **All snorkel gear will be provided. No prior experience necessary.**

Date: June 8 – 11, 4:00 – 7:00pm

Cost: \$120 Any Membership, \$150 Non-Members



Postscript for Parents: Trying to decide what age group is the best fit for your camper? Please read the descriptions below to select the grade level that best suits your child this year.

What happens at camp? Each camp follows a similar daily schedule: opening activity, content rich exploration, physically active game or walk, a snack, project time, closing activity. However, content complexity, group skills, and time spent on each task differ with age groups.

What are the skills expected at the camps?

Grades 1 – 3 camps: Campers should be easily able to walk to the Sitka National Historic Park, around the loop trail, and back again. They should have group skills such as listening, waiting for their turn, and kindness toward others. Content is integrated into stories, explorations, games, and projects. Activities work time is restricted to about 30 – 45 minute blocks.

Grades 4 – 6 camps: Campers should be able to sustain 30 or 45 minutes of a game or walk. They are expected to be able to listen to other's ideas, plan together, and play cooperative and competitive games. Campers in Grades 4 -6 learn content from direct instruction, experimentation, and discovery activities. These campers can plan to work on challenges or projects in 45 – 60 minute blocks.

Grades 7 – 9 camps: Campers in Grades 7 – 9 should be able to sustain focus for an hour long field trip, be able to swim, and be capable of rigorous activity for an hour or more. They must exhibit a more mature level of cooperative planning, division of jobs, affirmative relationships, and self-discipline. These campers will experience content from direct instruction, individual research, group share, scientific method, and Q & A with experts. Work blocks will be 60 – 90 minutes, and in some cases may extend for several hours.