



ANIMAL CARE AND ENGINEERING TRACK

The **Animal Care and Engineering Track** combines marine science and technology through hands-on experience and training. This program emphasizes the intersection of animal care and engineering to create solutions that meet the needs of the animals and the technicians caring for them. In this track, you'll have the opportunity to:

- care for marine invertebrates like abalone, sea urchins, crabs, and anemones.
- clean and maintain tanks in Monterey Bay Aquarium classrooms.
- design and build engineering projects to improve animal care using tools such as laser cutters, 3D printers, CNC mills, and sewing machines in our Innovation Lab.
- receive training and mentorship from Aquarium staff, guiding you through design thinking and product creation.
- earn community service or volunteer hours.
- form lifelong relationships with like-minded teens and Aquarium staff.

Please make sure the dates below work with your school, activities, and personal schedule. Each day will be eight hours or less.

IMPORTANT DATES

Mandatory Training

June 8-12, 2026

**Monday-Thursday, 9 a.m.-4 p.m.
and Friday, 1-8 p.m.**

Attending each full day of training is required to participate in the program and provide you with the tools to succeed.

Volunteer Shifts

June 18-July 31, 2026

Thursdays and Fridays, 9 a.m.-4 p.m.

Field Trips

June 17-July 22, 2026,

Wednesdays, times TBA

**End of Summer
Celebration & Overnight
in the Aquarium**

Friday, July 31-Saturday, August 1, 2026



**Monterey Bay
Aquarium**

ESSENTIAL JOB FUNCTIONS

Maintain tanks of live marine animals in the Monterey Bay Aquarium Education Department's classrooms under conditions specified by the manager and the Aquarium's animal welfare standards.

RESPONSIBILITIES

- Cleaning individual tanks and wet tables
- Monitoring the overall health of each tank environment
- Feeding various invertebrates
- Designing and building an engineering project
- Filming and documenting your work

QUALIFICATIONS/SKILLS

- Mature work habits (punctuality, open communication)
- Task- and detail-oriented
- Able to work both as a team member and independently with minimal supervision

TYPICAL PHYSICAL DEMANDS

- With assistance, lift and carry five-gallon aquariums with water and specimens (approx. 40 lbs.)
- Handle animals and clean tanks with hands in cold water for up to two hours
- Use stairs, keys, and touch pads to access buildings and cabinets
- Operate elevators and heavy, oversized doors
- Must be able to safely operate all equipment associated with the program delivery, development, and maintenance

EQUIPMENT

- You'll use a range of aquarium equipment, including siphons, nets, sponges, seawater and air lines, and other maintenance tools. You'll also be trained to use equipment in our Innovation Lab, including a sewing machine, 3D printer, laser cutter, vinyl cutter, power tools, and CNC mill.