

**LINKS TO CALIFORNIA CONTENT STANDARDS  
TIDEPOOL EXPLORATION IN THE DANA POINT MARINE PROTECTED AREA**

**Grade Four**Life Sciences

- 2.b. Students know producers and consumers (herbivores, carnivores, omnivores, and decomposers) are related in food chains and food webs and may compete with each other for resources in the ecosystem.
- 3.a. Students know ecosystems can be characterized by their living and nonliving components.
- 3.b. Students know that in any particular environment, some kinds of plants and animals survive well, some survive less well, and some cannot survive at all.

Earth Sciences

- 5.c. Students know moving water erodes landforms, reshaping the land by taking it away from some places and depositing it as pebbles, sand, silt, and mud in other places (weathering, transport, and deposition).

**Grade Five**Investigation and Experimentation

- 6.a. Students will classify objects (e.g., rocks, plants, leaves) in accordance with appropriate criteria.
- 6.f. Students will select appropriate tools (e.g., thermometers, meter sticks, balances, and graduated cylinders) and make quantitative observations.
- 6.h. Students will draw conclusions from scientific evidence and indicate whether further information is needed to support a specific conclusion.

**Grade Six**Ecology (Life Sciences)

- 5.c. Students know populations of organisms can be categorized by the functions they serve in an ecosystem.
- 5.d. Students know different kinds of organisms may play similar ecological roles in similar biomes.
- 5.e. Students know the number and types of organisms an ecosystem can support depends on the resources available and on abiotic factors, such as quantities of light and water, a range of temperatures, and soil composition.

Investigation and Experimentation

- 7.b. Students will select and use appropriate tools and technology to perform tests, collect data, and display data.