

**LINKS TO CALIFORNIA CONTENT STANDARDS  
LIVING SYSTEMS LAB AND/OR CRUISE****Grade Four**Life Sciences

- 2.a. Students know plants are the primary source of matter and energy entering most food chains.
- 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.
- 2.c. Students know decomposers, including many fungi, insects, and microorganisms, recycle matter from dead plants and animals.
- 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.

Investigation and Experimentation

- 6.f. Students will follow a set of written instructions for a scientific investigation.

**Grade Five**Life Sciences

- 2.a. Students know many multicellular organisms have specialized structures to support the transport of materials.

Investigation and Experimentation

- 6.f. Students will select appropriate tools and make quantitative observation.
- 6.g. Students will record data by using appropriate graphic representations and make inferences based on those data.
- 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.a. Students know energy entering ecosystems as sunlight is transferred by producers into chemical energy through photosynthesis and then from organism to organism through food webs.
- 5.b. Students know matter is transferred over time from one organism to others in the food web and between organisms and the physical environment.
- 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.