

OSCAR'S OCEAN

The nationwide movement for high standards has not only determined what students should learn, but also has mandated that students demonstrate what they know. Teachers who choose OSCAR'S OCEAN will find it is a standards-based program addressing National Science Standards. The content taught in OSCAR'S OCEAN is the target of most state frameworks for life science. This unit also addresses Applied Learning standards when students work cooperatively to complete all the activities about the different plants and animals living in a desert.

National Science Education Standards

Content Standard C: Life Science

The Characteristics of Organisms

- Organisms have basic needs. For example, animals need air, water, and food; plants require air, water, nutrients and light. Organisms can survive only in environments in which their needs can be met. The world has many different environments, and distinct environments support life of different types of organisms.
- Each plant or animal has different structures that serve different functions in growth, survival, and reproduction.
- The behavior of individual organisms is influenced by internal cues (such as hunger) and by external cues (such as change in the environment.) Humans and other organisms have senses that help them detect internal and external cues.

Organisms and their Environment

- All animals depend on plants. Some animals eat plants for food. Other animals eat animals that eat the plants.
- An organism's patterns of behavior are related to the nature of that organism's environment, including the kinds and numbers of other organisms present, the availability of food and resources, and the physical characteristics of the environment. When the environment changes, some plants and animals survive and reproduce, and others die or move to new locations.

California Applied Learning Standards

Standard 6. Students will understand how to apply communication skills and techniques. Students will demonstrate ability to communicate orally and in writing

Standard 8. Students will understand the importance of teamwork. Students will work on teams to achieve project objectives.