

Year 2

Ocean Literacy Principles

Concepts

<p>Biological sciences: Living things grow, change and have offspring similar to themselves (ACSSU030)</p>	<p>The ocean supports a great diversity of life and ecosystems.</p>	<p>Ocean biology provides many unique examples of life cycles, adaptations, and important relationships among organisms (symbiosis, predator-prey dynamics, and energy transfer) that do not occur on land.</p>
<p>Earth and space sciences: Earth's resources are used in a variety of ways (ACSSU032)</p>	<p>The Earth has one big ocean with many features.</p>	<p>Although the ocean is large, it is finite, and resources are limited.</p>
<p>Use and influence of science: People use science in their daily lives, including when caring for their environment and living things (ACSHE035)</p>	<p>The ocean and humans are inextricably interconnected.</p>	<p>The ocean affects every human life. It supplies freshwater (most rain comes from the ocean) and nearly all Earth's oxygen. The ocean moderates the Earth's climate, influences our weather, and affects human health.</p> <p>The ocean provides food, medicines, and mineral and energy resources. It supports jobs and national economies, serves as a highway for transportation of goods and people, and plays a role in national security.</p> <p>Over the last 50 years, use of ocean resources has increased significantly; the future sustainability of ocean resources depends on our understanding of those resources and their potential.</p> <p>The ocean is a source of inspiration, recreation, rejuvenation, and discovery. It is also an important element in the heritage of many cultures.</p> <p>Humans affect the ocean in a variety of ways. Laws, regulations, and resource management affect what is taken out and put into the ocean. Human development and activity leads to pollution (point source, nonpoint source, and noise pollution), changes to ocean chemistry (ocean acidification), and physical modifications (changes to beaches, shores, and rivers). In addition, humans have removed most of the large vertebrates from the ocean.</p> <p>Everyone is responsible for caring for the ocean. The ocean sustains life on Earth and humans must live in ways that sustain the ocean. Individual and collective actions are needed to effectively manage ocean resources for all.</p>