



Nature-Watch

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From Shore to Sea

1. Skill Builders (2)

- a. Learn about creatures that inhabit ocean tide pools & a rocky shoreline.

Recommended Products:

[Tide Pool Wind Chime Activity Kit \(#138\)](#)

[Seashell Bracelet Activity Kit \(#147\)](#)

- b. "Become a geological detective. Identify at least 3 different kinds of rocks, particles or minerals in the sand."

Recommended Products:

[Rocks and Minerals \(#250\)](#)

[Rock-O-Rama Activity Kit \(#103\)](#)

- c. Oceans & large bodies of water influence global weather & climate patterns.

Recommended Products:

[Water Cycle Wheel Activity Kit \(#153\)](#)

- d. What are some environmental concerns about extraction & mining of elements from the sea? Describe & illustrate your findings.
- e. Investigate global warming. What role do oceans play in the process? Find 2 studies regarding this. Present your findings.

Recommended Products:

[Global Warming Experiment Kit \(#278f\)](#)

- f. "Create a piece of art, a collection of poems, a slide or video show inspired by the ocean or something water related."

Recommended Products:

[Tide Pool Wind Chime Activity Kit \(#138\)](#)

[Seashell Bracelet Activity Kit \(#147\)](#)

[Shark Tooth Necklace Activity Kit \(#128\)](#)

2. Technology (1)

- a. Tour a boat used in deep-sea fishing or marine biology studies. What equipment is used?
- b. "Find out how scientists use sonar, satellites & computers to explore the deepest parts of the ocean without getting wet."



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- c. "People have been using water power for centuries. Pick 1 & learn how scientists explore ocean energy to meet demands for power: ocean thermal energy, wave & tidal power or ocean currents."

Recommended Products:

[Hydropower Renewable Energy Science Kit \(#278d\)](#)

- d. Fresh water is needed all over the world. Research & find out how to distill fresh water from salt water.
 - e. What technology is used to predict the storms that can devastate coastal regions? Learn about tracking & procedures for safety & evacuation.
3. Service Projects (1)
- a. Assist with a local project involving ecological studies of aquatic species.
 - b. Volunteer time with a marine conservation or education organization. Help educate the public on the importance of marine ecosystems.
 - c. Assist with a clean up of a water habitat. Volunteer to publicize a clean-up day by designing and/or distributing fliers.
 - d. Create an educational game for younger girls that will help them learn more about the oceans.

Recommended Products:

[Oceanopoly \(#318j\)](#)

[Life in the Ocean Card Game \(#316a\)](#)

[Ocean Bingo \(#301e\)](#)

4. Career Exploration (1)
- a. Develop a list of 8-10 careers in the field of oceanography. Interview someone in this field & learn what her work entails.
 - b. "Investigate at least 2 Sea Grant institutions concerned with research, education & exchange of technology regarding coastal, marine & Great Lakes issues."
 - c. Visit someone who earns a living from the sea. What are the issues about sustaining ocean harvests?
 - d. Investigate 2 tourism careers that are associated with an ocean environment. What skills & educations might be needed?
 - e. "Capture the ocean's beauty on camera, sketch pad, or by writing a poem or song about the sea."