

WATER CAREER FAIR

6 - 8

OBJECTIVES

The student will do the following.

1. Identify different water-related careers that work specifically with water.
2. Design a career fair exhibit to showcase careers related to water

BACKGROUND INFORMATION

If someone asked you to name the different careers that are related to water, you might immediately think of a marine biologist or someone in the Navy or Coast Guard. Perhaps you might even think of one who works with different sea animals that are held in captivity. However, these are only a few water-related careers. Some examples of workers in water-related jobs are weather forecasters, landscape architects, and nursery workers. Consider the oil rig worker that helps build and maintain off-shore oil rigs. What about the operators for wastewater treatment plants whose duties include testing water samples and maintaining equipment? Consider also those who work daily to assure that toxic waste does not reach our drinking water supply, or the meter reader who determines how much water we use. There's also the meteorologist, climatologist, or aqueduct builder. The list is endless. Our lives are maintained and surrounded by water. A water-related career is probably one of the most important careers one could choose.

Terms

hydraulic: operated, moved, or brought about by means of water

ADVANCE PREPARATION

A Gather materials needed for students to build an exhibit on their selected careers

PROCEDURE

I. Setting the stage

- A Discuss different water-related careers and how each one relates to students personally. Use as many visuals as possible, including pictures, videos, speakers, etc.
 1. Ask students to name different types of water-related careers
 2. Ask students if they know someone who works in this area.

II. Activity

- A Have students research the topic of "water-related careers." Guide students as to how to do this. For example, have them look up marine biologist in an encyclopedia or dictionary, or have students interview an individual in a water-related career.
 1. Students should generate their own questions for the interview, asking at least ten questions. Some sample question areas are listed below.
 - a Educational background or training

SUBJECT:

Biology, Chemistry, Physical Science

TIME:

3 class periods

MATERIALS:

student sheet

- b. Salary range
- c. Daily responsibilities and duties
- d. Amount of travel involved
- e. Location of most work opportunities

B. Have students create a poster or backboard that provides information about the career.

III. Follow-Up

- A. Have students design exhibits and hold a water-career fair using the library where other students can view their projects.

IV. Extensions

- A. Take a field trip to a water or wastewater treatment plant or another type of water facility
- B. Have speakers come in.
- C. Consider businesses that might allow students interested in certain careers to “shadow” someone working there for one day. This would enable the students to see the daily responsibilities of that particular career.

RESOURCES

Biological Science. Green, 1994

Earth Science. Holt, 1994.

WATER-RELATED CAREERS

Agricultural Engineer	Marine Salvage Engineer
Aquarium Director	Marine Geophysicist
Archaeologist	Marine Geologist
Aquatic Entomologist	Marine Conservationist
Biologist	Marine Explorer
Biosolids Specialist	Marine Technician
Boat Builder	Merchant Marine
Boater	Meteorologist
Botanist	Motor Sailboater
Bottled Water Company Employee	Navy
Builder	Oceanographer
Chemist	Olympic/Professional Swimmer
Chemical Engineer	Photographer
Civil Engineer	Physical Scientist
Coast Guard	Plant Physiologist
College/University Professor	Plumber
Commercial Fisherman	Potter
Computer Scientist	Professional Tournament Fisherman
Desalination Plant Director	Professional Skier (Water or Snow)
Diver	Rafting Guide
Docks Master	Ranger
Ecologist	Recreation Instructor
Environmental Attorney	Science Teacher
Environmental Chemist	Scuba Diver
Environmental Engineer	Ship Builder
Environmental Scientist	Seaman
Farmer	Snow Hydrologist
Fire Fighter	Soil Scientist
Fisheries Biologist	Structural Engineer
Forester	Submariner
Geographer	Sunken Treasure Hunter
Geologist	Tugboat Biologist
Groundwater Contractor	Underwater Photographer
Health Dept./Environmental Inspector	Wastewater Treatment Engineer
Hydraulic Engineer	Water Meter Reader
Hydrologist	Water Level Controller
Ice Skater	Water Resources Engineer
Landscape Artist	Water Quality Control Officer
Landscape Architect	Well Driller
Limnologist	Yachtsman
Malacologist	Zoologist
Marina Owner/Operator or Employee	