



CAREERS EXPLORATION

BIG IDEAS

- Forest research and management involves professionals with backgrounds in many fields, including forestry, biology, wildlife, soils, water, land management, urban planning, engineering, sociology, geography, technology, environmental education, and chemistry. (Subconcept 52)

OBJECTIVES

Upon completion of this lesson, students will be able to:

- Name forestry-related careers.
- Make connections between a forestry-related job and its duties.

SUBJECT AREAS

Arts, Language Arts, Science, Social Studies

LESSON/ACTIVITY TIME

- Total Lesson Time: 35 minutes
- Time Breakdown:
 - Activity 120 minutes
 - Activity 215 minutes

TEACHING SITE

Classroom

NUTSHELL

In this lesson, students become aware of five careers that are forestry-related by listening to descriptions of them, matching the name of the career with a symbol of the career, and drawing a picture of the career that they think is most interesting.

BACKGROUND INFORMATION

There is a wide array of forestry-related careers. They range from direct care of trees to landscape planning to the processing and production of lumber and products. One of the fastest growing specialty areas in forestry is in urban forestry, where people are involved in caring for trees in urban and suburban areas. In Wisconsin, the forest products industry is the second largest industry in the state (agriculture is the first). There are approximately 1,800 forest product companies that employ 99,000 people in Wisconsin. The paper industry employs 52,000 workers and indirectly supports 125,350 jobs.

Careers in forestry-related fields generally require some type of higher education due to the level of science and technology used. Education may include an advanced degree and/or technical training. Well developed people skills are also important for those in forestry-related careers. Communication with the public and professionals in other natural resource fields is important when managing resources.

Helping students to become aware of natural resource careers, such as those in forestry, gives them options for the future. Forestry-related jobs are important to the social, economic, and environmental health of our state.

VOCABULARY

Arborist: A person who takes care of individual trees by pruning, removing, or treating them.

Orchard Owner: A person who raises fruit trees in order to pick the fruit and sell it.


Park Ranger: A person who works in a park to protect the park and people who use it.

Research Ecologist: A person who researches the interactions of forest parts and the impacts of human actions.

Wildlife Biologist: A person who researches wildlife and their habitats and takes action to improve those habitats.

MATERIALS LIST

FOR EACH STUDENT


- Copy of Student Page  1, *Careers Worksheet*
- Copy of Student Page  2, *My Favorite Forestry Career*

FOR THE TEACHER


- Copy of five *Career Profiles* from the unit.
 - Joe, Arborist - page 21
 - Eric, Ecologist - page 36
 - Bruce, Park Ranger - page 46
 - Linda, Orchard Owner - page 61
 - Marty, Wildlife Biologist - page 76

PROCEDURE

ACTIVITY 1

1. Read the *Career Profiles* from each lesson to the class.
2. Hand out a copy of the Student Page  1, *Careers Worksheet* to each student.
3. Read the names of the careers listed to the class. Ask the students to draw a line between the name of the career and the symbol that reminds them of that career. For non-readers, ask them to match the word that starts with "a" to the picture that reminds them of what an arborist does. Expand descriptions of the careers as needed.

ACTIVITY 2

1. Pass out a copy of Student Page  2, *My Favorite Forestry Career* to each student.
2. Tell the students that they should draw a picture of their favorite forestry career that they learned about.

EXTENSION

If your class is able, have them write a description of what they thought would be best about the job they are drawing.





REFERENCES

Wisconsin Forests at the Millennium. (2000).
Madison: Wisconsin Department of Natural
Resources Division of Forestry.

Wisconsin Paper Council. World Wide Web:
www.wipapercouncil.org

RECOMMENDED RESOURCES

There may be professionals who are willing to come into your classroom to talk about their jobs. Here are some ideas of where to find them.

Wisconsin Department of Natural Resources (WDNR)

Your local **WDNR** office can put you in touch with many people. Look in the phone book under Wisconsin, State of, then Natural Resource, Department of. Or, visit the WDNR website at: www.dnr.state.wi.us/whereulive/ to find options for information and who to contact in your area. If you don't see the specific contact you need, try the service center in your area.

National Forest

For contacts at the **Chequamegon-Nicolet National Forest** visit their website at: www.fs.fed.us/r9/cnnf/. Under General Info you can find information about specific Forest Service offices in Wisconsin.

Professional Organizations

The **International Society of Arborists** has an on-line database of arborists that you can access. Visit their website at: www.isa-arbor.com and search for Arborist list. The **Wisconsin Arborist's Association** also has this information at: www.waa-isa.org/.

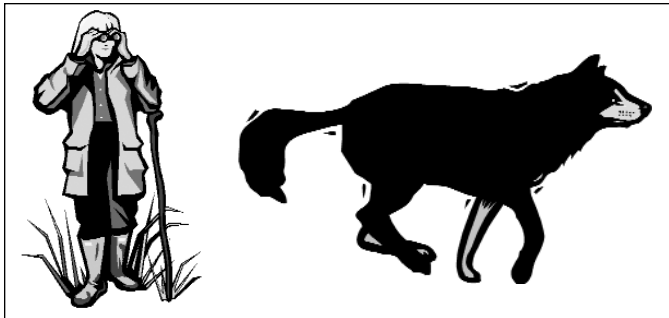
The **Wisconsin Professional Loggers Association (WPLA)** and **Forest Industry Safety & Training Alliance (FISTA)** may be able to put you in touch with loggers in your area. They may be contacted at the following addresses: WPLA HC1, Box 83A, Florence, WI 54121 and FISTA, 3243 Golf Course Road, Rhinelander, WI 54501



CAREERS WORKSHEET



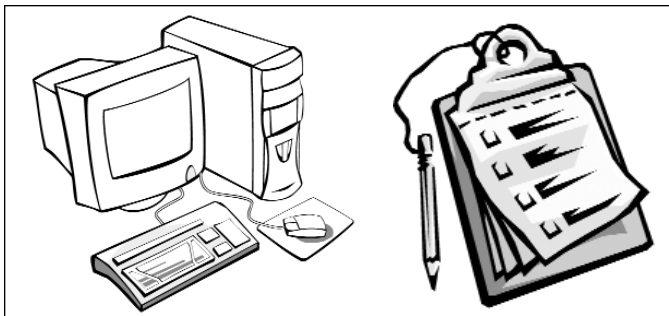
Arborist



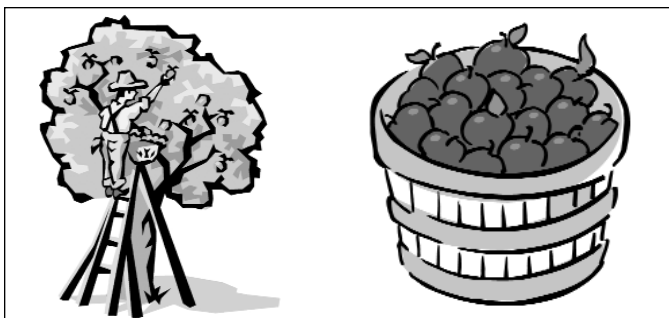
**Wildlife
Biologist**



**Park
Ranger**



**Orchard
Owner**



**Research
Ecologist**

My Favorite Forestry Career Is

