

Parent Outline: 6 & Up

November: Resource Management

Welcome/ Staff/Volunteer Names **Today's Topic-Resource Management**
Introduction: **Question: What kinds of careers help protect the environment?**

Ice Breaker/ Have the students discuss with each other their guesses from the career stations
Game: and tell which types of careers looked interesting to them.

Background/ Explain that our natural resources need to be managed to preserve places for
Exploration: animals and plants to live and people to use and enjoy.
Give an introduction to the various levels of conservation careers (IAN-504).
Briefly discuss education and skills needed for each type of career.
Show students how to use some of the tools/equipment before going outside.

OUTDOOR Let students try to take a variety of measurements and use different tools
EXPLORATION: representing different careers.

Forest Management: core a tree, measure DBH w/calipers or a Hypsometer, Estimate tree height

Soil Study: collect a soil sample with a soil corer (compare w/other samples)

Plant Ecology/Botany: show/teach students how to use a plant press, do a seed collection

Restoration/Management: equipment used for prairie burns, controlling invasives

Wildlife Management: look through a spotting scope, take a wildlife hike

Water Quality: do some water testing for oxygen, pH, nitrogen, clarity, etc.

Highlight the techniques and plans used in managing ICNC.

Closing: You don't have to wait until you are an adult with a career to get involved in conservation. There are volunteer programs through the Iowa DNR such as IOWATER and NatureMapping, and other programs like Project FeederWatch, through which you can participate in research projects.

SEND OFF: Goodbye!

Next Month's topic-Astronomy

TAKE HOME:

Parent Outline

Background

Career exploration info.

Vocabulary

Resource management, tree core, hypsometer, Biltmore stick, soil core, plant press

Background and Activity References

www.birds.cornell.edu/pfw Cornell University Ornithology Lab site—Project FeederWatch

www.iowater.net Iowater Volunteer Water Quality Monitoring site

www.iowadnr.com Information on NatureMapping-volunteer wildlife survey programs; links for kids

Conservation Careers in Iowa. 1999. Iowa Association of Naturalists. ISU Press, Ames, IA. (IAN-504)

<http://www.extension.iastate.edu/pubs/wi.htm> booklets can be downloaded in pdf format