

# Careers Exploration

## NUTSHELL

*In this lesson, students learn about six professionals in Wisconsin with careers that are forestry-related. They read or listen to descriptions of them, do a word search activity, and match the name of the career to the duties associated with it.*

### ENDURING UNDERSTANDING

- 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.

### ESSENTIAL QUESTION

- What careers relate to forests?

### OBJECTIVES

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

- Name six careers that are forestry-related.
- Explain the types of duties that are associated with different types of forestry-related careers.

### SUBJECT AREAS

Arts, Language Arts, Social Studies

### LESSON/ACTIVITY TIME

**Total Lesson Time:** 60 minutes

- Introduction .....5 minutes
- Activity 1 .....25 minutes
- Activity 2 .....15 minutes
- Conclusion.....15 minutes

### TEACHING SITE

Classroom

### 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 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.

**“A grove of giant redwood or sequoias should be kept just as we keep a great and beautiful cathedral.”**

★ Theodore Roosevelt ★

## VOCABULARY TERMS

**Ecologist:** A person who studies how forest parts work together and how humans fit in.

**Land Trust Director:** A person who works to protect land, plants, and animals for the future.

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

**Soil Scientist:** A person who studies soil and gives that information to other people to use.

**Tree Nursery Manager:** A person who is in charge of planting many tree seeds and helping them grow.


**Urban Forester:** A person who plants and takes care of trees in cities, towns, and neighborhoods.

## PROCEDURE

### Introduction - Who Do You Know?




Remind students that in Wisconsin there are many people who have jobs related to forests and the forest products industry. There are also many people who do not work directly with forests but are connected to them in some way. For example, salespeople sell forest products, truck drivers haul logs and lumber, and park rangers provide information to visitors. Ask students if any of their family members have jobs connected to forests in some way. In this lesson, they will read about individuals who have a variety of jobs related to forests in Wisconsin.

### Activity 1 - Careers Word Search

1. Read the six career descriptions from this unit to the class. One career profile is found at the end of each lesson. As an option, you can post the descriptions around the room or give them as handouts.
2. Hand out copies of Student Page , **Careers Word Search**.


## MATERIALS LIST

### For Each Student



- Copy of Student Page , **Careers Word Search**
- Copy of Student Page , **Careers Description Tree**
- Copy of Teacher Key  **1, Careers Word Search and Careers Description Tree Key**
- Paper
- Markers/crayons/colored pencils

### For Each Student or the Whole Class

- Copy of six Career Profiles from the unit.
  - Jim, Tree Nursery Manager (page 25)
  - David, Soil Scientist (page 38)
  - Alan, Forest Ecologist (page 52)
  - Linda, Orchard Owner (page 60)
  - Kim, Urban Forester (page 73)
  - Terrie, Land Trust Director (page 83)

3. Ask students to find the words listed at the bottom of the page. These words are from the career descriptions they read. The answers are listed on Teacher Key  **1, Careers Word Search and Careers Description Tree Key**.

### Activity 2 - Careers Description Tree

1. Hand out Student Page , **Careers Description Tree** to each student.
2. List all of the career titles on the board for students to look at. Tell students that they should write the name of the career that goes with the description in the spaces on the tree.
3. Correct the work in class using Teacher Key  **1, Careers Word Search and Careers Description Tree Key**.

**NOTES**

Lined writing area for notes, partially obscured by a leaf graphic.

"One of life's ironies is that for new life to emerge there always has to be a letting go. The trees have to let go of their leaves just when they're at their most radiant."  
\* Deepak Chopra \*

**NOTES**

Lined writing area for notes, partially obscured by a leaf graphic.



# CAREERS WORD SEARCH AND CAREERS DESCRIPTION TREE KEYS

## Careers Word Search Key (Student Page 1)

S	D	V	Y	J	L	D	S	L	X	Z	G	G	N	N
L	E	J	S	C	I	E	N	T	I	S	T	P	U	L
F	G	L	L	B	E	G	F	F	M	K	Y	R	A	A
R	F	P	P	R	H	N	O	T	R	U	S	T	D	N
V	T	A	T	P	B	A	R	T	Q	E	W	E	W	D
V	Y	W	W	N	A	V	E	T	R	P	B	H	U	C
C	N	B	D	J	A	Z	S	Y	L	N	M	U	P	D
Z	O	V	G	I	H	I	T	D	R	A	H	C	R	O
S	H	M	Q	Y	G	Q	E	J	T	B	X	U	X	D
X	O	R	M	O	Z	B	R	B	Q	R	B	I	D	G
W	A	I	L	U	T	L	I	V	B	U	Q	R	G	M
I	Z	O	L	L	N	W	V	X	V	T	H	L	N	Y
A	C	K	N	M	W	I	Q	N	N	D	Y	O	U	M
E	V	K	B	H	T	W	T	D	B	T	I	U	H	W
U	C	K	J	X	E	D	T	Y	L	T	W	G	X	N

APPLES	LAND	SOIL
COMMUNITY	NURSERY	TREES
ECOLOGIST	ORCHARD	TRUST
FORESTER	SCIENTIST	URBAN

## Careers Description Tree Key (Student Page 2) (Clockwise from the Top)

- Grows Apples - Orchard Owner
- Grows New Trees - Tree Nursery Manager
- Studies Forests - Ecologist
- Works with City Trees - Urban Forester
- Looks at Forest Soil - Soil Scientist
- Protects Land - Land Trust Director

### Teacher Key 1

## CAREERS WORD SEARCH

S D V Y J L D S L X Z G G N N  
L E J S C I E N T I S T P U L  
F G L L B E G F F M K Y R A A  
R F P P R H N O T R U S T D N  
V T A T P B A R T Q E W E W D  
V Y W W N A V E T R P B H U C  
C N B D J A Z S Y L N M U P D  
Z O V G I H I T D R A H C R O  
S H M Q Y G Q E J T B X U X D  
X O R M O Z B R B Q R B I D G  
W A I L U T L I V B U Q R G M  
I Z O L L N W V X V T H L N Y  
A C K N M W I Q N N D Y O U M  
E V K B H T W T D B T I U H W  
U C K J X E D T Y L T W G X N

APPLES

COMMUNITY

ECOLOGIST

FORESTER

LAND

NURSERY

ORCHARD

SCIENTIST

SOIL

TREES

TRUST

URBAN

# CAREERS DESCRIPTION TREE

