



# WORKSHEET WORKING FOR FORESTS

People in many different jobs work to sustain our forests. Cut apart the following cards and categorize the jobs by indoor versus outdoor, high-tech versus low-tech, amount of interaction with other people, academic discipline, level of education, or other criteria.



## FORESTER

Foresters, or forest managers, oversee public or private forestlands. In my job, I develop short- and long-term plans for planting and growing, monitor trees for healthy growth, and make sure our forest practices comply with environmental regulations.



## ENVIRONMENTAL EDUCATOR

I love teaching children and adults about forests! As an environmental educator, I lead school and community groups in learning activities focusing on trees and forest ecosystems. I especially enjoy guiding field trips where learners can experience nature firsthand.



## NATURAL RESOURCE ECONOMIST

I am passionate about ensuring the sustainability of forest resources. I determine the value of assets from the forest such as timber and ecosystem services. I also work to find the most efficient ways to supply or manufacture forest products.



## WILDLIFE BIOLOGIST

I study wildlife and their habitats to understand what they need to thrive. I consider the relationship of birds, mammals, fish, reptiles, or amphibians to the forest and to each other. My work helps manage wildlife habitats for the benefit of all.



## SAFETY INSPECTOR

I review forestry job sites, either in the field, or at the mills and ensure that the workplace is a safe and healthy place for workers. I provide information, advice, and guidance to both employees and employers to help them meet safety compliance policies and regulations.



## FOREST ENGINEER

As a forest engineer, I figure out ways to use trees and other forest resources in the most efficient, cost-effective, and sustainable way. I may develop and test wood products, or design and supervise the construction of a trail or bridge.



# WORKSHEET

## WORKING FOR FORESTS, PAGE 2



### WILDLAND FIREFIGHTER

My job is to help protect and maintain the health of the forest by preventing, controlling, and putting out wildfires. To prepare for fire emergencies, I maintain and test firefighting equipment. I also talk to the public about ways they can help prevent wildfires.



### HYDROLOGIST

I investigate water in forests by studying how it travels through the forest, into the soil, and eventually to a stream. In addition to learning about the water cycle, I try to solve questions such as how streamflow affects forests or how climate change impacts watersheds.



### MILLWRIGHT

A millwright is an industrial mechanic who maintains or constructs machinery for mills, print shops, or other businesses. As a millwright, I must be familiar with different machines and how they work, and have the analytical skills necessary to fix problems.



### SOCIAL MEDIA DIRECTOR

I love spreading awareness about my organization's forestry program to various audiences on social media platforms. I get to be creative when planning media campaigns related to the forest, and work with a team to share stories and build meaningful connections.



### PACKAGING TECHNOLOGIST

I'm a problem solver who enjoys working with materials. As a packaging technologist for a forest products company, I am responsible for designing, developing, and manufacturing packaging for a range of products, helping to reduce ocean plastic pollution.



### NATURE PHOTOGRAPHER

Forests are my shooting sets. I use various cameras, lenses, and tools to document elements of our natural world to share with clients. My work involves traveling to remote areas, where I patiently wait to capture the perfect moment depicting wildlife and nature.



# WORKSHEET WORKING FOR FORESTS, PAGE 3



## ARCHITECT

As an architect, I try to reduce the ecological footprint of buildings and homes through carefully crafted designs using sustainable and certified materials, such as wood. I want to create spaces that let people coexist with nature by bringing the outdoors indoors.



## LUMBER MILL WORKER

I work in a mill that cuts logs into lumber for building materials such as framing, flooring, windows, and doors. You may be surprised to learn that my job is very high-tech: computers help me determine the best way to cut each log and how to minimize wood waste.



## LOGGER

As a logger, I harvest timber from forests, which people rely on for building materials, furniture, paper, packaging, and many other products. My job is to cut the trees safely and in a way that ensures water quality and the long-term health of the forest remains.



## PARK RANGER

As a park ranger, I work to educate forest visitors about the forest and to explain and enforce the rules and regulations. I help keep the visitors safe in the forest and help keep the forest safe from visitors.



## CARBON MODELER

As a carbon modeler, I work with forest owners to quantify the carbon being stored or sequestered in the forest. Based on this information, owners exchange “carbon credits” with companies that emit carbon dioxide as a way to reduce overall carbon emissions and climate change effects.



## PAPER MANUFACTURER

I work as a machine operator for a paper manufacturing company that makes various paper products. I run the paper-making machines and conduct quality inspections on the finished products.



# WORKSHEET WORKING FOR FORESTS, PAGE 4



## POLICY ADVISOR

As a forest policy advisor, my job is to analyze laws and programs that affect the forest and to provide guidance on ways to improve them. I enjoy looking at all the ways policies might impact people and the forest and finding the best balance.



## SUSTAINABILITY MANAGER

As a sustainability manager, I ensure that my organization upholds environmental standards and minimizes environmental harm. I recently helped my organization switch to using paper products that come from sustainably managed forests.



## FORESTRY TECHNICIAN

I love working outside and my job takes me into the forest almost every day. As a forestry technician, I work with foresters and forest engineers to maintain forestland. Depending on the need on any given day, my duties can range from fire suppression to data collection to trail repair.



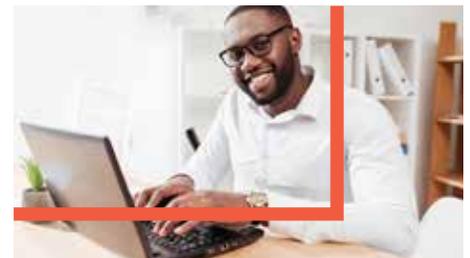
## WOOD SCIENTIST

Wood is an amazing natural resource that we use for paper, construction lumber, particle board, and other products. As a wood scientist, I study the physical, chemical, and biological properties of wood to improve the way we process it into different products.



## GIS SPECIALIST

I love maps! As a geography or Geographic Information Systems (GIS) specialist, I work with computers to create graphs and maps showing forest-related data, such as land use, tree cover, and environmental practices. My work helps inform the public and decision-makers about forests.



## FINANCIAL FORECASTER

I love numbers and—as a financial forecaster for a wood products company—I get to work with them every day. I analyze lumber and paper pulp market prices and international exchange rates to help my company make the best investments and sound financial decisions.