



Workers in the Woods

Instructions

Cut out the following cards and distribute one to each group.

<p>Forester</p> <p>Through the science of silviculture, foresters manage the planting, growing, and cutting of a forest for a mixture of purposes. Some of the most important are the harvesting of trees for lumber; the creation and protection of ecological habitat; flood control; recreation; and water quality protection. Foresters are stewards of forests and are often outside in the woods every day.</p> <p>What would a forester want to know about a tree?</p> <p><i>Learn more about what a forester does.</i></p>	<p>Botanist</p> <p>Botanists conduct in-depth studies of plant structures, adaptations, habitats, reproduction, and other characteristics. They try to understand how different tree species are related to one another, and classify them according to the International Code of Botanical Nomenclature. Botanists may be good artists, drawing detailed pictures of the plants they study.</p> <p>What would a botanist want to know about a tree?</p> <p><i>Learn more about what a botanist does.</i></p>	<p>Horticulturist</p> <p>Horticulture is commercial gardening, and horticulturists grow plants for any of a number of purposes. They may do it because they like flowers or vegetables, or for medicinal or landscaping value. Horticulturists work in parks, gardens, nurseries, and schools. They often experiment with genetics to create new or unusual varieties of plants.</p> <p>What would a horticulturist want to know about a tree?</p> <p><i>Learn more about what a horticulturist does.</i></p>
<p>Arborist</p> <p>Arborists are tree specialists who use their expertise to take care of trees (usually domesticated ones) by pruning, fertilizing, watering, and stabilizing them. Arborists are often called upon to care for very large or very old trees, especially when they have suffered damage. An arborist's work may involve using ropes and pulleys to climb high into a tree's branches.</p> <p>What would an arborist want to know about a tree?</p> <p><i>Learn more about what an arborist does.</i></p>	<p>Natural Resource Manager</p> <p>A natural resource manager has studied biology, conservation, recreation, policy, economics, and more. Resource managers may work for a park or ranger district, or as advisers to companies or nonprofit organizations. They use their skills and experience to make recommendations and rules that balance the protection of natural resources (e.g. trees, water, open space, animals, etc.) with the needs and desires of people.</p> <p>What would a natural resource manager want to know about a tree?</p> <p><i>Learn more about what a natural resource manager does.</i></p>	<p>Ecologist</p> <p>Ecologists are interested in how plant, animal, microbiotic, and non-living components of the environment interact with one another to produce large-scale ecosystem functions, such as absorbing carbon from the atmosphere or removing toxins from water. They emphasize the study of evolution, focusing on how a different and diverse variety of species adapts in each ecosystem.</p> <p>What would an ecologist want to know about a tree?</p> <p><i>Learn more about what an ecologist does.</i></p>



Workers in the Woods (con't)

<p>Logger</p> <p>Loggers work for timber companies that use wood from trees to make paper products, building materials, and more. They often sell wood for more money if it comes from a tree that grows straight and tall, without a lot of low branches that form knots when they are removed. Loggers often replant areas they cut with varieties of trees that grow quickly and easily, so that they can be cut again in a few years.</p> <p>What would a logger want to know about a tree?</p> <p><i>Learn more about what a logger does.</i></p>	<p>Furniture Maker</p> <p>Furniture makers buy wood from lumber suppliers. They look for high-quality lumber with a few knots, a fine grain (determined by how narrow the space is between the rings in the trunk), and sometimes an unusual color or hardness. Furniture makers use different kinds of wood for different applications, sometimes within the same piece of furniture. They must have a good supply of wood so that they can make and sell plenty of furniture.</p> <p>What would a furniture maker want to know about a tree?</p> <p><i>Learn more about what a furniture maker does.</i></p>	<p>Nature Photographer</p> <p>Nature photographers are interested in the form and shape of natural objects and features, and take pictures of natural landscapes. Sometimes, photographers are interested in photographing dense stands of old, mature trees to convey a sense of timelessness. Other times, they may prefer to photograph younger trees or wildflowers to illustrate the renewal of spring.</p> <p>What would a nature photographer want to know about a tree?</p> <p><i>Learn more about other famous nature photographers.</i></p>
<p>Nursery Manager</p> <p>Nursery managers collect tree seeds, such as acorns and nuts, and grow them in greenhouses or nurseries. Once the seeds have grown into seedlings that are strong enough to be replanted in the wild, nursery managers provide them for use in tree plantings. Often, they provide seedlings to parks and conservation organizations for replanting as riparian forest buffers. A nursery manager may also sell trees to private developers and landowners.</p> <p>What would a nursery manager want to know about a tree?</p> <p><i>Learn more about what a nursery manager does.</i></p>	<p>Landscaper</p> <p>Landscapers usually work with landowners to develop an area for beauty and to complement the architecture of buildings. They use a mix of wild and cultivated plants, and may plant trees in various stages of growth, from seedlings to full-grown trees. They may completely change the character of the soil that they plant in, and sometimes install watering and fertilizing systems to care for plants growing outside of their natural ranges.</p> <p>What would a landscaper want to know about a tree?</p> <p><i>Learn more about what a landscaper does.</i></p>	