



JOBS IN THE FOREST: FORESTER

Forestry – the study of caring and managing for forests, which includes lots of different things such as geology, hydrology, botany, and ecology. A **Forester** is trained in caring for the forest. A Forester needs to know what can harm or kill the forest such as diseases, pests (bugs), or abiotic factors like drought, and then how to fix the problem – almost like a doctor.

Become a Forest Doctor

Entomology - The study of insects

Pathology – The study of diseases

Abiotic – Non-living parts of the ecosystem

Many of the diseases, insects, or abiotic factors are hidden inside of the tree so Foresters need to investigate and look for **signs** and **symptoms** to prescribe the best treatment.

Signs – Evidence of a disease or insect

Mushrooms

Insect galleries or tunnels in tree

Frass – insect poop that looks like sawdust on the bark of a tree

Symptoms – physical feature that indicates a problem

Dead leaves (necrosis)

Resin or sap flows from holes

Swelling on branches

Cankers



Examples of an insect gallery. Each insect has its own unique gallery which helps to identify it.



Forester Activities

1. As you hike around, look for signs and symptoms. Keep a tally of everything you find and where you found it.
2. Research Sudden Oak Death ([link](#)). As you explore JDSF, see if you can spot where Sudden Oak Death is on the Forest. Don't take anything from the forest but memories - learn how to not spread the disease!



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