

Trees and Forests Classification and Value Project

Objective: Individually or in a pair, create an informative piece that includes different samples of tree leaves, twigs, cones, needles, bark etc.

Part 1: You (and your partner, if you choose to work with one) need to collect a variety of different samples to include in your informative piece. You will need to label everything you include in your piece and, where possible, identify the species of tree specific samples are from. It's time to put your classification skills to use!

Samples you will need to collect include:

- Different leaves from a variety of trees (at least five. Try and find leaves that are different shapes)
- Bark samples (if the bark has fallen off the tree), or a shading of the bark pattern, or a picture (at least 3)
- Different types of cones and needles (different bundles)
- Twigs
- Anything else you want to include that has to do with trees

Your informational piece needs to have:

- At least five different leaves
- Each leaf should be labeled with:
 - The type of tree it comes from
 - Leaf type
 - Leaf shape
 - Leaf margin
 - Leaf arrangement
- Needle arrangement and types
- At least 3 twigs with branching patterns
- 3 bark samples, labelled with type of bark

Part 2: In your informational piece, give at least 5 reasons why trees and forests are valued. Give a real-world example and a personal connection for each one.

Example:

Trees and Forests are valued because they provide us with oxygen.

Real-world example: plants and animals need oxygen in order to be able to survive.

Personal connection: I am 10 years old; on average I take about 18-30 breaths of oxygen per minute.

**If you choose to work with a partner, please include extra information (for example, 6-7 leaves instead of 5, more bark samples, etc.) and be sure to divide the work up evenly. Please initial your contributions.*