



## MN State Envirothon Forestry Study Guide 2025

### Identification

- Understand the parts of a tree  
<https://www.dnr.state.mn.us/forestry/education/foresttreasures/partsofatree.html>
- Know your native trees  
<https://www.dnr.state.mn.us/trees/native-trees.html>
- Understand how to use a dichotomous key for identification  
<https://kids.britannica.com/students/article/dichotomous-key/624999>

### Carbon storage and life cycle assessment

- Know the importance of a forests role in carbon storage.  
<https://www.fs.usda.gov/about-agency/features/trees-are-climate-change-carbon-storage-heroes>
- Be familiar with how trees store carbon.  
<https://www.nature.org/en-us/magazine/magazine-articles/forest-carbon-101/>

### Forest Products

- Know a variety of products come from trees.  
<https://www.sciencing.com/what-products-are-made-from-trees-12217179/>
- Be familiar with the benefits of forests.  
<https://www.dnr.state.mn.us/trees/benefits-trees.html>

### Non-Timber Forest Products

- Understand what can be harvested in a forest beyond the trees.

<https://extension.umn.edu/natural-resources/goods-your-woods#harvest-rules-for-minnesota-state-forests-2763160>

<https://extension.umn.edu/gathering-wild-grown-plants-and-fungi/homemade-maple-syrup>

### Seed collection

- Know why seed collection is important.

<https://www.mprnews.org/story/2024/09/23/to-grow-minnesotas-future-forests-an-effort-to-collect-seeds-takes-root>

### Types of logging equipment

- Be able to identify different pieces of logging equipment.

<https://www.youtube.com/watch?v=McJoyCkbZjQ>

<https://www.youtube.com/watch?v=LZ71JF1Qw64>

### Fire

- Understand the role of fire in the ecosystem.

<https://www.rayonier.com/stories/how-forest-management-prevents-forest-fires/>

<https://cfans.umn.edu/news/restoring-fire>

### Forest Management Related to Climate Change

- Understand resistance, resilience, and transition management strategies

<https://extension.umn.edu/natural-resources-news/managing-forests-future>

- Know the types and reasons for assisted migration

<https://www.climatehubs.usda.gov/hubs/northern-forests/topic/assisted-migration-forests>