

# 4-H Forestry Judging Resources

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## Tennessee 4-H Forestry Contest Rules and Regulations

<https://ag.tennessee.edu/fwf/Documents/ExtensionPublications/forestryrules.pdf>

## UT Publications

- [Conducting a Simple Timber Inventory PB1780](#)
- [Identifying Hickory and Walnut Trees Native to Tennessee Using BRFs PB1810 \(online only\)](#)
- [Identifying Oak Trees Native to Tennessee PB1731](#)
- [The All Season Pocket Guide to Identifying Common Tennessee Trees PB1756](#)
- [Understanding Log Scales and Log Rules PB1650](#)
- [Wood Identification for Hardwood and Softwood Species Native to Tennessee PB1692](#)

## General

- National 4-H Forestry Invitational (study materials for all areas of the contest)  
<http://www.4hforestryinvitational.org/>
- Tennessee 4-H Project Materials
- Alabama 4-H Forestry (there is a good tree id guide linked on this page and a few videos not all the links work) <http://www.aces.edu/4-H-youth/AL4-H/4hprojects/naturalresources/forestry/4-HForestry101.php>
- Mississippi State Extension 4-H Forestry Project for kids and Teachers <http://extension.msstate.edu/4-h/4-h-forestry> you will find links to study materials

## Tree Id

- “The All Season Pocket Guide To Identifying Common Tennessee Trees” PB1756  
<https://extension.tennessee.edu/publications/Documents/PB1756.pdf>
- “Important Trees of Eastern Forest”  
[http://www.library.rawlingsforestry.com/fs/important\\_forest\\_trees/important\\_forest\\_trees.pdf](http://www.library.rawlingsforestry.com/fs/important_forest_trees/important_forest_trees.pdf)
- Tennessee 4-H Forestry Key <https://utextension.tennessee.edu/Sequatchie/Documents/4-H%20Files/tree%20key.pdf>
- Tree ID from Virginia Tech (check the scientific names to make sure you are studying the right tree). On-line id interactive key <http://dendro.cnre.vt.edu/dendrology/ident.htm> or factsheets <http://dendro.cnre.vt.edu/dendrology/factsheets.cfm>
- “A Key to Common Trees of Alabama”, ANR-509 Alabama Cooperative Extension System  
<http://www.aces.edu/pubs/docs/A/ANR-0509/ANR-0509.pdf>
- “100 Forest Trees of Alabama” by Dr. Harlan York Alabama Forestry Commission  
<http://www.forestry.state.al.us/PDFs/100/100%20Forest%20Trees%20of%20Alabama.pdf>
- University of Tennessee Herbarium – TENN <http://tenn.bio.utk.edu/> (need to search by scientific names great pictures)
- Department of Biological Sciences of Vanderbilt University “Key to Common Trees of Middle Tennessee”  
<http://www.cas.vanderbilt.edu/bioimages/tree-key/tree-key.htm>
- USDA NRCS Plant Database <http://plants.usda.gov/>
- “Kentucky Forest Trees How to Know Them”, University of Kentucky Cooperative Extension FOR-1  
[http://www.ca.uky.edu/forestryextension/publications\\_genforestry.php](http://www.ca.uky.edu/forestryextension/publications_genforestry.php) (cost \$2.00)

## Insects and Diseases

- University of Georgia Bugwood Network (an excellent resource for forest insects and diseases with links to Extension and USDA-FS publications) <http://www.forestpests.org/>
- University of Kentucky Extension “Insect Identification Guide for Senior 4-H Forestry Competition Training” <http://www2.ca.uky.edu/agcomm/pubs/4dc/4dc05pa/4dc05pa.htm>

## Wood

- “Wood Identification for Hardwood and Softwood Species Native to Tennessee” PB1692 <http://utextension.tennessee.edu/publications/Documents/PB1692.pdf>
- Wood ID Key <https://utextension.tennessee.edu/Sequatchie/Documents/4-H%20Files/Wood%20id%20key.pdf>
- Wood ID PowerPoint, by Dr. Adam Taylor, for 4-H Contest <http://web.utk.edu/~mtaylo29/pages/Downloads.htm> and video [https://www.youtube.com/watch?v=G8\\_NIVBW6vE](https://www.youtube.com/watch?v=G8_NIVBW6vE)

## Tree Measurement

- Make your own stick National 4-H Forestry Invitational <http://4hforestryinvitational.org/training/tree-measurement-contest/scale-stick-download>
- “Making a Tree Scale Stick” Mississippi State Extension Service [https://extension.msstate.edu/sites/default/files/publications/publications/p1686\\_0.pdf](https://extension.msstate.edu/sites/default/files/publications/publications/p1686_0.pdf)
- “Forest Products Measurements and Values” UT PB1628 <https://extension.tennessee.edu/publications/Documents/PB1628.pdf>

## Compass Traverse (Sr. only)

- Alabama 4-H Forestry YouTube video [https://www.youtube.com/watch?v=\\_RgvJGSMXZY](https://www.youtube.com/watch?v=_RgvJGSMXZY)
- Silva Compasses <http://store.silvacompass.com/>
- Compass teaching kit [http://www.forestry-suppliers.com/product\\_pages/Products.asp?mi=81441](http://www.forestry-suppliers.com/product_pages/Products.asp?mi=81441)

## Forest Evaluation (State contest)

Background material for coach

- “Forest Practice Guidelines for Tennessee” UT PB1523 <https://extension.tennessee.edu/publications/Documents/pb1523.pdf>
- “Conducting a Simple Timber Inventory” UT PB 1780 (Cost \$5.00) <https://extension.tennessee.edu/publications/Documents/PB1780.pdf>
- “Forest\*A\*Syst: Self-Assessment to Prioritize Your Forest Uses” UT PB1679 <https://extension.tennessee.edu/publications/Documents/PB1679.pdf>
- “Managed Forests for Healthy Ecosystems” UT PB1574 <https://extension.tennessee.edu/publications/Documents/pb1574.pdf>

## Other Materials

- “National Audubon Society Field Guide to North American Trees-E: Eastern Region”
- “Trees of North America: A Guide to Field Identification, Revised and Updated” (Golden Field Guide from St. Martin's Press)
- “A Field Guide to Eastern Trees” (Peterson Field Guides)
- Cruises sticks, d-tapes, etc.
  - Forestry Suppliers Inc. <http://www.forestry-suppliers.com/>
  - Ben Meadows <http://www.benmeadows.com/>
- Other reference materials
  - Tree Growth Characteristics UT W227 <http://utextension.tennessee.edu/publications/Documents/W227.pdf>