

# Resources for 4-H Forestry Judging

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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](#)
- [Identifying Hickory and Walnut Trees Native to Tennessee Using BRFs](#)
- [Identifying Oak Trees Native to Tennessee](#)
- [The All Season Pocket Guide to Identifying Common Tennessee Trees](#)
- [Understanding Log Scales and Log Rules](#)
- [Wood Identification for Hardwood and Softwood Species Native to Tennessee](#)

## General

- National 4-H Forestry Invitational (study materials for all areas of the contest) <http://www.4hforestryinvitational.org/>
- Tennessee 4-H project materials <http://www.utextension.utk.edu/4H/projects/fw&f.htm>
- Alabama 4-H Forestry (there is a good tree id guide linked on this page) <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://msucares.com/4h\\_Youth/4hforestry/](http://msucares.com/4h_Youth/4hforestry/) (there is a good tree id guide linked on this page)
- USGS Digital Range Maps of Native Trees <http://esp.cr.usgs.gov/data/atlas/little/>

## Tree Id

- The All Season Pocket Guide To Identifying Common Tennessee Trees PB1756 <https://utextension.tennessee.edu/publications/Documents/Forms/DispForm.aspx?id=1112&InitialTabID=1112&InitialTabD=1112>
- 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) <http://dendro.cnre.vt.edu/dendrology/main.htm>
- 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>
- 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)
- Tree Identification 4-H Project West Virginia University Extension Service <http://4-hyd.ext.wvu.edu/r/download/43053>
- Alabama 4-H Forestry YouTube video Tree ID <http://www.youtube.com/alcoopextensionvideo#p/p/58A38FD9F04424D2/2/BBx5l-AiHqc>
- About.com Forestry "Tree Identification Using a Tree Leaf Key" [http://forestry.about.com/library/treekey/bltree\\_key\\_id\\_start.htm](http://forestry.about.com/library/treekey/bltree_key_id_start.htm)
- Arbor Day Foundation "What Tree Is That?" <http://www.arborday.org/trees/treeID.cfm>

- 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>
- “Know Your Trees” Mississippi State Extension Service <http://msucares.com/pubs/publications/p0146.pdf>
- USDA NRCS Plant Database <http://plants.usda.gov/>
- “What Tree is It?” <http://www.oplin.org/tree/> 1997 Ohio Public Library Information Network (OPLIN) & The Ohio Historical Society (OHS)

## Insects and Diseases

- “Common Insect Pests of Tennessee Forests” Tennessee Department of Agriculture Forest Service <http://www.state.tn.us/agriculture/publications/forestry/forestinsectpests.pdf>
- 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/>

## 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 video, by Dr. Adam Taylor, for 4-H contest the first video on the list is a great review of how to identify wood <http://web.utk.edu/~mtaylo29/pages/Downloads.htm>

## Tree Measurement

- Making a Tree Scale Stick Mississippi State Extension Service <http://msucares.com/pubs/publications/p1686.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>

## 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>