Description of Project:

4-H'ers may explore the science of managing, using, conserving, and repairing forests and associated resources. Through this project 4-H'ers may:

- Understand and appreciate the fiber products of the forest
- Identify trees and understand their environmental and economic value
- Acquire knowledge and develop skills in the selection and use of various types of wood and wood products
- Acquire knowledge and develop skills in the selection, care, and safe use of woodworking tools and machines
- Learn of environmental protection and the wise use of natural resources
- Understand the business and economics of forestry and forest products
- Appreciate the importance of woodlands as a source of income, raw materials, and enjoyment necessary for quality living
- Identify methods for forestry management and conservation
- Practice appropriate and beneficial forestry practices
- Explore career opportunities related to forestry

Examples of Project Development Experiences:

- Examine growth rings on tree stumps in newly cut timberlands to see how trees grow
- Learn to identify common Georgia tree species
- Safely use woodworking tools to build wood projects
- Attend a forestry day camp and compete in the Georgia 4-H Forestry Field Day
- Interview a Georgia Forestry Commission Forester and/or shadow a Park Ranger for a day
- Learn how Georgia Forestry Commission personnel protect timberlands from wild fires
- Visit an arboretum and/or national forest to learn about forestry management and conservation

Overview:

⇒ Choose project
⇒ Develop skills in:
  - Project
  - Leadership
  - Service
⇒ Prepare portfolio for work completed from January 1—December 31
⇒ Prepare presentation
⇒ Practice
⇒ Compete
⇒ Reflect
### Project Sharing and Helping Examples:

- Lead a club to plant trees
- Organize a talk with a local logger and allow your group to learn about harvesting, equipment, and forest products
- Mentor younger 4-H’ers on the 4-H Forestry Judging Team
- Share what you have learned in the Forest Resources and Wood Science project with club members, school classes, and civic clubs
- Enter a forestry-related mini-booth or woodworking project as an exhibit at a fair
- Start a Forest Resources and Wood Science project club. Contact your local Extension Agent to discuss your plans
- Collaborate with elementary schools to describe forestry values in your community (i.e., aesthetics, wildlife habitat, air/water quality, wood products, economic impact, etc.)
- Distribute forestry and wood science materials at school and/or within the community
- Organize a group tour at a local arboretum or national forest
- Mentor a younger 4-H’er in the Forest Resources and Wood Science project

### Recommended Resources:

- Georgia4h.org/ProjectAchievement
- Georgia4h.org/Forestry
- Warnell.uga.edu
- forestfoundation.org
- fs.fed.us
- gatrees.org
- gen.uga.edu
- gfc.state.ga.us
- gfagrow.org
- swst.org
- Popularwoodworking.com

### Special Considerations:

- Please use best safety practices when handling tools.
- Be sure to gain land owner permission prior to entering someone else’s property.
- Give plenty of notice for any mentoring requests.
- Ask permission before photographing, taping, or quoting someone.
- Be respectful when shadowing professionals and always follow safety instructions.
- Live animals/insects and weapons are not permitted in the project.

### At Competition:

**Forest and Wood Science**  
4-H projects may use posters, artifacts, biofacts, and/or technology to support their presentation. The time limit for these presentations is 12 minutes. Computers, projectors, screens, and other technological devices may be used.

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Reviewed by Jenna Daniel and Jason Estep  
Sources:  
The University of Georgia CAES. 2016. Project Achievement. http://www.georgia4h.org/projectachievement/