



The 4-H Forestry project teaches 4-H members practical skills about forest and natural resource management. Participants will learn to identify trees, forest insects, and forest diseases. Measuring trees to estimate timber volumes is another useful skill that will be mastered.

Learning opportunities include 4-H judging contests, visual presentations, records, and exhibits.

## 4-H Thrive

### Positive Youth Development

#### Developing Competence

Adults create environments where youth can develop competence in their chosen project area.

#### Building Confidence

Youth build confidence as they learn to think for themselves, build mastery, and are recognized for their efforts.

#### Nurturing Caring

Adults nurture a caring environment where mutual trust between youth and adults is established. Caring relationships with adults are key to resilient youth.

#### Finding Connection

Youth build solid connections which are critical to their well-being.

#### Forming Character

Create a community where youth play an active role in developing their character.

#### Determining Contribution

Youth actively contribute to their clubs and communities.

***Mississippi State University is an equal opportunity institution.***

### Starting Out Beginner

Clover bud 4-H foresters can:

- Participate in county forestry club projects.
- Create visual presentations relating to tree identification, insects, diseases, or forestry careers for Project Achievement Days.

### Learning More Intermediate

Junior 4-H foresters can:

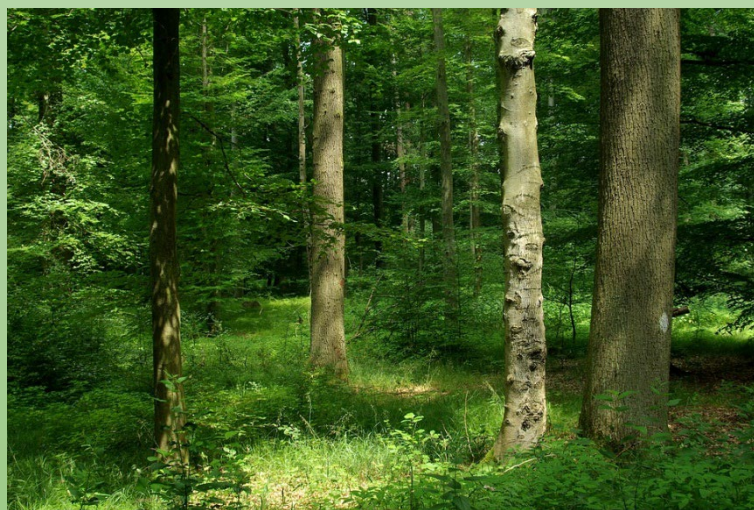
- Participate in county forestry club projects.
- Create visual presentations relating to tree identification, insects, diseases, or forestry careers.
- Compete in forestry judging contests at Project Achievement Days.

### Exploring Depth Advanced

Senior 4-H foresters can:

- Participate in county forestry club projects.
- Create visual presentations relating to tree identification, insects, diseases, or forestry careers.
- Compete in forestry judging contests at 4-H Congress

## Expand your experiences!



### Resources

1. Publication 1991 Mississippi 4-H Forestry Competition Handbook. This is the primary resource.
2. Publication 1205 Welcome to 4-H Forestry.
3. Publication 1203 Project number 1 – Tree Planting.
4. Publication 1228 Project 2 Big Tree Contest.
5. Publication 1422 Project 3 Collecting and Identifying Tree Seeds.
6. Publication 1473 Project 7 Measuring Standing Saw Timber.
7. Publication 1687 Project 8 Identifying Forest Insects and Diseases.
8. Publication 1686 Making A Tree Scale Stick.
9. Publication 146 Know Your Trees.
10. Publication 1250 Forestry Terms for Mississippi Landowners.
11. National 4-H Forestry Invitational training materials <https://4hforestryinvitational.org/training>
12. Mississippi Trees <https://www.mfc.ms.gov/wp-content/uploads/2020/05/Mississippi-Trees-Book-Final-12.14.16-compressed3.pdf>

### Connections & Events

**For Juniors & Seniors**  
County forestry teams preferably will consist of four 4-H members. The top three individual scores will be recorded per team. Individual 4-H members can also compete.

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Contact your local Extension office to learn more.

### Curriculum

**Forestry Curriculum Level 1: Follow the Path. National 4-H Curriculum**

**Forestry Curriculum Level 2: Reach for the Canopy. National 4-H Curriculum**

**Forestry Curriculum Level 3: Explore the Deep Woods. National 4-H Curriculum**

**Forestry Helper's Guide. National 4-H Curriculum**

### 4-H Record Book

4-H members practice skills in data collection, organization, and analysis as they document their project activities and goals in their record books. The books provide practical information as well as highlight progress made toward goals.

Juniors and Seniors can enter the state record book competition under Forestry and Wood Science.

Seniors are eligible to win a trip to National 4-H Congress for Forestry Project record books.

## Activity Suggestions

Use any of the project publications for activities.

Use "Forests of Fun" publications available at your County Extension Office.

**Competitive Activities (Indicate Jr or Sr or Both):** County forestry teams preferably will consist of four 4-H members. The top three individual scores will be recorded per team. Individual 4-H members can also compete.

### JUDGING:

#### Junior Age Level (8-13) Forestry Judging

The contest consists of three sections:

- A. Tree Identification (20 specimens indoor only).
- B. Tree Measurement (3 trees: DBH and merchantable height using a tree scale stick).
- C. Forest Knowledge (20 question test).

#### Senior Age Level (14-18) Forestry Judging

The first-place senior team will advance to the National 4-H Invitational at Jackson's Mill 4-H Conference Center in Weston, WV. <https://4hforestryinvitational.org/>

The contest consists of four sections:

- A. Tree Identification (25 indoor specimens and 25 outdoor specimens).
- B. Tree Measurement (10 trees: DBH and merchantable height using a tree scale stick).
- C. Forest Knowledge (50 question test).
- D. Forest Insect and diseases (common names of 10 insects and 10 diseases).

**VISUAL PRESENTATION:**(Junior and Senior) Conservation [includes Wildlife and Forestry]

**WORKSHOP IDEAS:** See Publication 1205 for list of ideas. Also contact your area Forestry Specialists and the nearest County Forestry Association.

**OUR/FIELD TRIP IDEAS:** Arbor Day events, youth forestry field days, arboretum tours, timber processing mill tours.

**IDEAS FOR AWARDS AND RECOGNITION:** Certificates, Medals, Trophies, Plaques, Cash.

**TRIPS:** The winning 4-H senior forestry team wins one year custody of the Acorn Trophy and the right to represent Mississippi sponsored trip at the National 4-H Forestry Invitational in Weston, WV – The Super Bowl of 4-H Forestry!

**POTENTIAL STATE DONORS:** Mississippi Forestry Association, Mississippi Loggers Association, County Forestry Associations

**OPPORTUNITIES BEYOND COUNTY, DISTRICT AND STATE LEVELS:** National 4-H Forestry Invitational Jackson's Mill State 4-H Conference Center- Weston, WV

See 4-H Forestry Invitational website at <https://4hforestryinvitational.org/> for more information.

**IN-SERVICE TRAINING OFFERINGS FOR AGENTS:** Refer to online in-service course offering or contact James Shannon ([james.shannon@msstate.edu](mailto:james.shannon@msstate.edu))

**RUBRICS:** See Publication 1991 Mississippi 4-H Forestry Competition Handbook.