18 USC 707

The life of trees can be very long, and they can tell us much about our past.

- Learn basic facts about trees.
- Identify the trees in your area.
- Learn about pest management in forestry.
- Participate in tree surveys.
- Learn which trees are hardwood, softwood, deciduous or conifer.
- Learn how trees benefit the environment.

Pass it on!
Now that you know how, share it with others. Here are ideas to get you started.

Communication

- Give a presentation on your favorite tree.
- Make a video on how to collect and identify leaves.
- Teach your club how to identify common trees.

Citizenship

- Complete a tree map of the city park for the city recreation department.
- Adopt and maintain a tree at a park or camp.
- Do a presentation at a city council meeting about the identity and age of the city trees at a location.

Leadership

- Organize the activities to complete a tree survey.
- Help an adult teach a class about trees.
- Volunteer to help with a tree planting.

Entrepreneurship

- Offer to monitor trees for invasive species or insects.
- Start a tree-care business.
- Open a greenhouse or tree-selling business.

Here's what you can do all year!

Starting Out Basic/Level 1	Learning More Intermediate/Level 2	Expanding Horizons Advanced/Level 3
• Learn why trees are important to our environment. • Collect and identify different leaves. • Learn about climates and growing seasons. • Learn about forest habitats. • Learn how organisms use forest habitat. • Examine parts of a plant and discover the function of the parts. • Learn about photosynthesis. • Learn about the uses of wood. • See how forests are used for recreation.	• Be able to describe growth stages and what trees need to grow. • Learn about major forest changes. • Be able to describe the impact of invasive species on the forest. • Identify Infectious and noninfectious tree diseases. • Identify and record insect damage. • Explore and analyze forest fire risk. • Be able to estimate the volume of a standing tree and forest density.	• Create a community forest map. • Learn about insect control methods in forestry. • Identify ways of genetically improving trees. • Identify forestry jobs. • Explore how different cultures use forests. • Determine the history of a neighborhood tree. • Mentor other youth in tree survey activities. • Explore how different values influence forest use.

NDSU EXTENSION SERVICE
NDSU is an equal opportunity institution

Learn more at **www.ndsu.edu/4h/** or contact your county NDSU Extension office.

Here are other opportunities to explore forestry:

- Complete an invasive species survey.

- Collect leaves and show them in your science class.

- Visit a tree farm.

- Job shadow a city forester or park ranger to explore careers that interest you.

- Contact your county NDSU Extension office for other local workshops, activities and events.

- Interview a lumber yard manager about his/her business.

- Interested in a college education in the area of forestry? Schedule a visit with North Dakota State University to explore these majors (www.ag.ndsu.nodak.edu/plantsci/horticulture/index.htm).

Exhibit Ideas

- Exhibit a bark collection project.

- Make a poster about the parts of a tree.

- Do a display board on the proper way to prune trees.

- Do a poster about tree farming.

- Create a logbook and picture record of trees on your property or in your area.

- Complete a video of the process of planting and harvesting trees.

- Prepare a poster to show the methods to harvest trees.

- Create a display board that identifies insect damage to trees.

- Make a cost/profit comparison about starting your own tree farm business.

- Do a research project to find the oldest tree in your county.

- Do a display of the common insect pests of North Dakota forests.

- Complete a map of tree distribution in North Dakota.

4-H Resources

- National 4-H Curriculum

   - Follow the Path (DDA111)

   - Reach for the Canopy (DDA112)

   - Explore the Deep Woods (DDA113)

   - Forestry Helper's Guide (DDA211)

- Educational Trunks

- 4-H Virtual Forest

Other Resources

- U.S. Forest Service

- North Dakota Forest Service

- Champion Trees of ND

- State Forest Recreation Opportunities

Recordkeeping

- Planning for My Project Adventure (PA093)

- ND 4-H Project Plan (PA095)

- ND 4-H Plan of Action (PA096)

- ND 4-H Participation for 11- 19 (PA098)

Contests

- State 4-H Land Judging

- State 4-H Range Judging