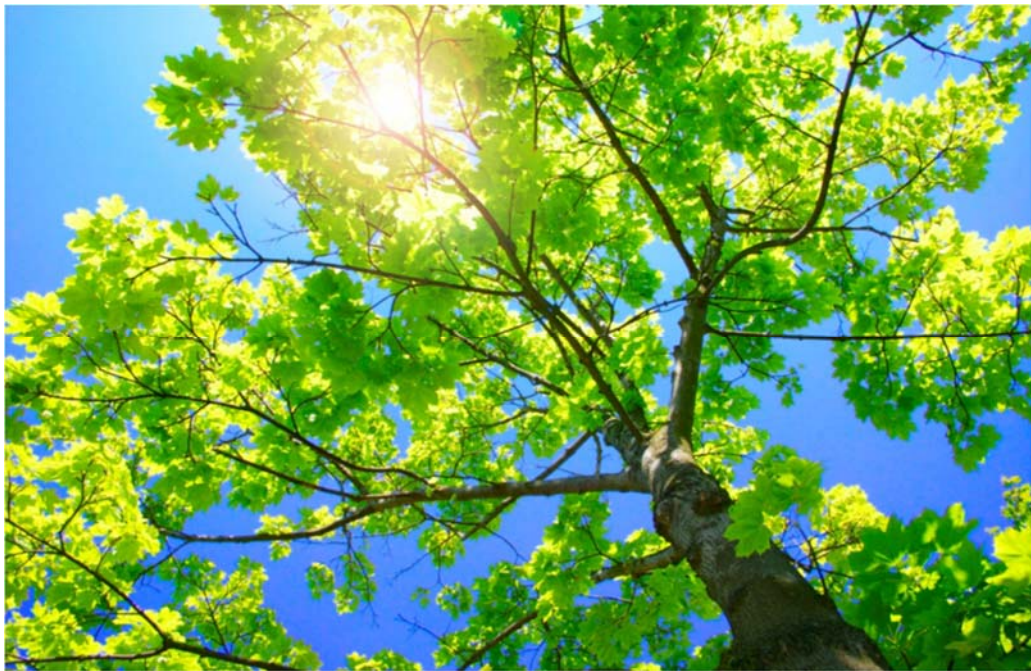


Mini 4-H

Forestry

All Divisions



Draft
Developed by
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Area 7 4-H Youth Development Educators
(Blackford, Delaware, Fayette, Franklin, Henry, Jay, Madison,
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Please Note: As a professional courtesy, the Area VII Extension Educators request that these materials NOT be copied or duplicated in any means. Copies of the materials may be requested for purchase.

Resources and References

Mini 4-H Forestry Manual, Madison County, Indiana
Mini 4-H Forestry Discovery Manual, Henry County, Indiana
Mini 4-H Forestry Manual, Delaware County, Indiana

January 1997
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Mini 4-H Parent's Page



Welcome to the Mini 4-H Program! Mini 4-H is designed for youth to explore a variety of project areas.

Your child received this project manual when enrolling in Mini 4-H. This manual will provide fun, age-appropriate learning activities throughout their year(s) in Mini 4-H and their interest in this project.

As a Mini 4-H parent, your job will be to guide and encourage your child through the activity. It is highly suggested that you do not complete the activities for them. Instead, help them, guide them, work with them, and let them do all that they possibly can. The 4-H motto is "learn by doing" ... And is the best educational tool that we can provide for youth.

Additionally, the Mini 4-H program is set up to allow your child to exhibit a project at the 4-H Fair. This project is based upon information within this manual.

The 4-H Fair is an exciting time for 4-H members and families. It is a week that allows community youth to showcase their talents, interests, and enthusiasm for learning.

Mini 4-H is fun! Your child will certainly enjoy it. You can have fun too, by guiding and helping as your child participates in the program. Encourage and praise your child as he/she has fun learning and sharing with you.

If you have any questions regarding Mini 4-H or other 4-H programs, please feel free to contact your local Extension Office.



Mini 4-Her's Page



Welcome to Mini 4-H! You are now a member of the 4-H family. You are a special person.

Mini 4-Her's have lots of fun! There are lots of activities for you to explore. You can try new things. You can share it with your friends and family.

Mom, Dad or another adult can help you with your project. Bring your project to the 4-H Fair and lots of people will be able to see what you have done. You also get a ribbon made just for Mini 4-Her's.



Here are some things to know about 4-H.

The 4-H Symbol: A four-leaf clover with an "H." in each leaf

4-H Colors: Green and White

The 4-H Motto: To make the best, better.

The 4-H Pledge: I pledge my *Head* to clearer thinking,
my *Heart* to greater loyalty,
my *Hand* to larger service, and
my *Health* to better living,
for my club, my community,
my country, and my world.



✦ What Is Forestry? ✦

Do you like to take a walk in the park or sit under a tree in the summer? Do you like a real Christmas tree instead of an artificial one? Have you seen animals or birds that make their home in trees? Can you find things made of wood around your home? If you can answer "yes" to any of these questions, Mini 4-H forestry is for you!

Forestry is the study of trees. Tree leaves come in many sizes and shapes. There are many trees that have colorful leaves. Trees are cut down in forests and are made into wood. Trees help us in many ways. The forestry project will help you learn many things about trees.

✦ Tree Parts ✦

The main parts of a tree are the leaves and branches, the trunk, and roots. The sun shines on the leaves which helps make food for the tree. The leaves provide shade. The leaves are attached to the branches. Birds build nests in the branches. We get such things as lumber and paper products from the trunk. The roots feed the tree and keep the wind from blowing it down.

Can you match the parts of the tree to where it is located on the picture? Draw a line from the part to where it is on the tree.



Roots

Branches

Trunk

Leaves



Activity 1 --Draw a Tree

Materials you might need:

Pencil

paper

Crayons

markers

On a piece of paper, draw and color a tree. Make sure you draw all the parts of the tree. You may want to include birds or animals in the picture.



Knock on Wood



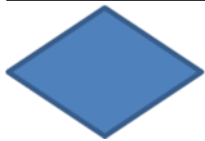
There are many things that we use every day that are made of wood. Our homes, furniture, pencils and even the paper in this manual are made of wood. Look around your home and neighborhood. Can you list 4 things made of wood?

1. _____

3. _____

2. _____

4. _____



Activity 2 -- Uses of Wood

Materials you might need:

Pencil

paper

Magazine

scissors

Glue

camera, optional

Make a poster with pictures cut from a magazine or pictures taken with a camera of items that are made of wood. A title of your poster could be "Uses of Wood." Use 5 to 7 pictures on your poster.

✦ Home Sweet Home ✦

Many small animals make their home in branches of trees or live in a hole in the trunk of a tree. Have you seen a nest or a hole in the tree? Take a walk in a park, woods, neighborhood or school yard and look for animals that use trees for their home. Can you look for a bird nest or a hole where a squirrel, raccoon, or hive of bees might live?

Activity 3 -- Animal Homes

Materials you might need:

pencil

Crayon

Scissors

14" x 22" poster board

paper

magazine

glue

camera, optional



Make a poster with pictures cut from a magazine or pictures taken with a camera of animals that make their homes in trees. A title for your poster could be "Animals That Live in Trees." Use 5 to 7 pictures on your poster. --OR-- Draw and color a picture of an animal and its home in a tree such as a bird in a nest in a tree, or a squirrel or raccoon in a hole in a tree.

✦ Shapes of Leaves ✦

Tree leaves have many shapes. Some leaves may look like a fan while others may look like a star, the palm of your hand, or a needle. Walk in a park, woods, neighborhood, or yard and collect leaves that have different shapes.



Activity 4 -- Shapes of Leaves

Materials you might need:

pencil
container for leaves
paper
glue or scotch tape

Paste or tape 5 to 7 leaves on a piece of paper, 8 1/2 x 11 (one leaf per page). Use notebook or plain white paper. Use a piece of colored construction paper for the front and back cover and staple together. You now have a "leaf book." Put a title and your name on the front.

+ Types of Trees +

There are many types of trees. There are trees that grow very tall and have lots of branches to provide shade. We get apples, pears, and other fruit from fruit trees. Walnuts, pecans, and other nuts are produced on many kinds of nut trees. In December, many families go to a Christmas tree farm to select an evergreen tree to decorate for Christmas. Smaller trees bloom in the spring or summer and provide color in our yards. Each tree has a special purpose.



Activity 5 -- Types of Trees

Materials you might need:

pencil magazine glue
paper scissors
14" x 22" poster board

Make a poster with pictures cut out of a magazine of the different types of trees. Write the use of each tree by its picture. A title for your poster could be "Types of Trees." Use 5 to 7 pictures in your poster. --OR-- Draw a picture of your house and yard. Show what types of trees you have or would like to have in your yard.



Fall Colors



Leaves can be many different colors. In the summer many leaves are green but some can be yellow, purple, or other colors. In the fall, the leaves change to bright colors of red, gold, orange, and yellow. Some trees like evergreens have green leaves all year.

Activity 6 -- Collecting Colored Leaves

Materials you might need:

pencil magazine glue or tape crayons

paper scissors

14" x 22" poster board markers

Take a walk in your yard, the woods, park, neighborhood, or yard. Collect 5 to 7 different colored leaves. If you cannot find leaves of different colors, cut out pictures of trees with colored leaves from a magazine. Tape or glue the colored leaves or pictures of trees with colored leaves on the poster board. The title of your poster could be "Colored Leaves." --OR-- Make a colored leaf book. Draw your own leaves with crayons or markers of the shapes and colors that you saw. Glue or paste leaves collected (one per page) on white paper. Use colored construction paper for the front and back and staple together. Put your title and name on the front.

Collect leaves this fall for your Mini 4-H Forestry exhibit next year.

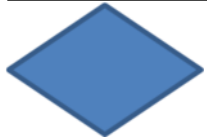




Textures



The bark protects the tree from insects, diseases, and injury. Feel the bark of a tree. Does it feel rough or smooth? Does the bark feel the same at the bottom of the tree as at the top? Feel the leaves. Do they feel rough on one side compared to the other? The bottom side has veins or ridges. The veins help the leaves to get water so that they can grow.



Activity 7 -- Rubbings

Materials you might need:

pencil
crayons

Paper

Use notebook or plain white paper. Make bark rubbings by holding the paper against the bark and coloring back and forth over it with crayons. The ridges on the bark will show up darker than the depressed area leaving the bark's pattern on the paper. A leaf rubbing can be made by placing the leaf on the table vein side up. Place the paper over it and use the side of a crayon to color over the leaf. Use different leaves and colors. Make 5-7 different bark and leaf rubbings. Use a piece of construction paper for the front and back cover and staple together. You now have a "tree rubbing book." Put a title and your name on the front.



✦ Forestry Senses ✦

Take a walk in a forest, woods, neighborhood, or yard. Quiet--what do you hear? Look--what do you see? What do you smell? What do you feel? Use your senses to see, hear, smell and feel.



Activity 8 -- Test Your Senses

Materials you might need:

pencil

clip board

paper

chart

container for collecting items

glue or tape

Take a walk in the woods, park, or neighborhood. List in the chart below what you saw, smelled, heard or touched. Collect 5 to 7 things listed in your chart. Use one white piece of paper for each sense--saw, smelled, heard and touched. Write or draw what you saw, smelled, heard or touched. If you collected any items, place or glue them to the piece of paper. Use colored construction paper for the front and back and staple together. Put a title and your name on your "senses book."

My Forestry Senses

What I Saw	What I Smelled	What I Heard	What I Touched

✦ Exhibit Tips ✦

Choose One:

* Make an 11" x 14" poster (mounted horizontally with hard backing and covered in plastic) of a tree that you have drawn. Label the parts of the tree that you have drawn.

* Make an 11" x 14" poster (mounted horizontally with hard backing and covered in plastic) with pictures cut from magazines or pictures taken with a camera of items that are made of wood. Use 5 to 7 pictures on your poster.

* Exhibit a collection of leaves. They can be displayed in a notebook or a poster (11" x 14" mounted horizontally with hard backing and covered in plastic). Use 5 to 7 leaves. Label each leaf with their name.

* Make an 11" x 14" poster (mounted horizontally with hard backing and covered in plastic) with pictures cut out of a magazine of the different types of trees. Write the use of each tree by its picture. Use 5 to 7 pictures on your poster.

Good Luck!



PROJECT EXHIBIT TAG

Mini 4-H Forestry

Name: _____

Grade: _____



**“FORESTRY”
RECORD SHEET
MINI 4-H PROGRAM**



Name _____ Grade _____

Address _____

Please answer the following questions. Attach this completed record sheet to your project. See you at the fair!!!

1. Why did you choose this project? _____

2. Which activity did you enjoy the most? _____

3. What is something new you learned about trees? _____

4. Did you enjoy this project? _____

Parent's signature _____ Date _____