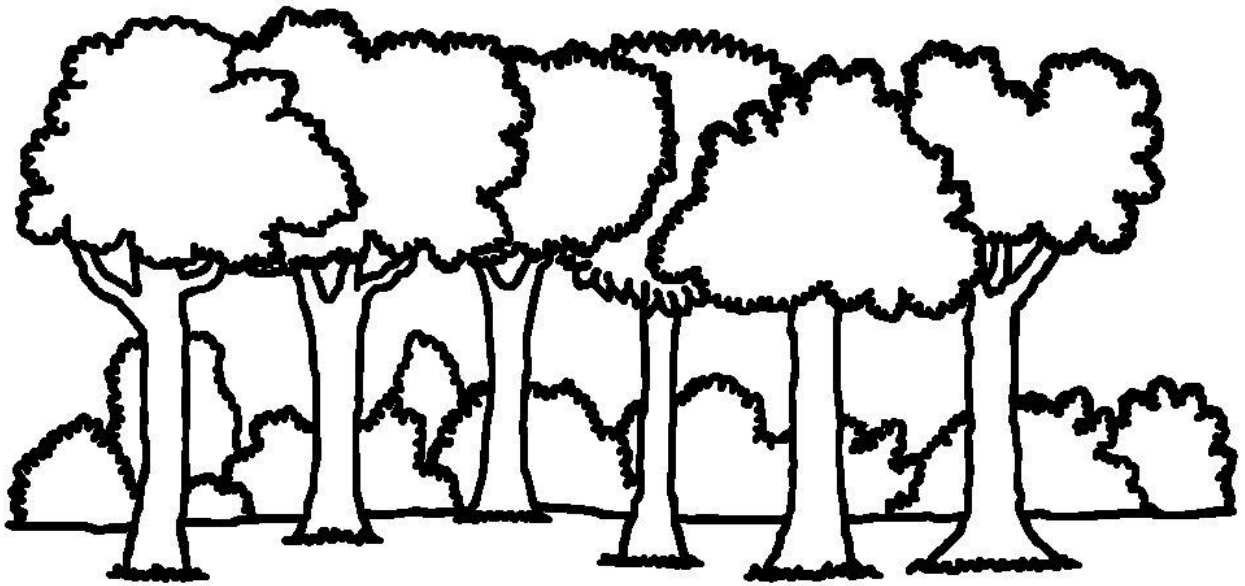


Mini 4-H Forestry



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JOHNSON COUNTY

Mini 4-H Helper's Page

Welcome to the Johnson County Mini 4-H program! Mini 4-H is designed for youth to explore a variety of project activity areas and to interact with caring adults and other children.

Children receive this project activity manual when enrolling in Mini 4-H. This manual and the manuals on various other topics will provide fun age appropriate learning activities throughout their year(s) in Mini 4-H.

As a Mini 4-H adult helper your job will be to guide and encourage each child through the activities. A wide range of activities are provided to allow you to choose the ones most appropriate for the children you are working with. 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. 4-H believes in allowing children to learn by doing. The Mini 4-H project activities are hands-on learning opportunities designed to provide a meaningful educational experience for youth.

Additionally, the Mini 4-H program is set up to allow children to display a project activity that is based upon information within this manual. Most children will choose to exhibit their project at the 4-H fair. The 4-H fair is an exciting week that allows community youth to showcase their enthusiasm for learning. Children may choose to display a project activity they did by themselves or one they did with a group.

Please help the child to bring their Mini 4-H project to the fairgrounds during the designated Mini 4-H judging time. Each exhibit will need a Mini 4-H exhibit tag and their Mini 4-H Project Record Sheet. Mini 4-H exhibits are non-competitive meaning they all receive a special Mini 4-H blue ribbon. Once the fair is over, be sure to pick up the project during 4-H Project Release.

Mini 4-H is fun! Children will certainly enjoy it. You can have fun too, by guiding and helping as children participate in the program. Encourage and praise the children as they have 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 Purdue Extension Johnson County at **317-736-3724**.

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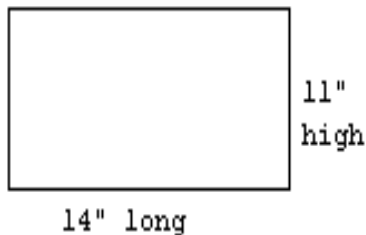
Mini 4-H Program Rules

The Mini 4-H program is designed to supplement and introduce kindergarten, first, and second graders to the Johnson County 4-H program.

RULES

1. Mini 4-H is open to any boy or girl who is enrolled in kindergarten, first, or second grade on January 1st of the current 4-H year.
2. Any Kindergartener may enroll in one (1) project.
Any first grader may enroll in one (1) or two (2) projects.
Any second grader may enroll in one (1) to four (4) projects.
3. Mini 4-H members are enrolled in the Mini Clovers 4-H Club, which is led by the Extension Educator & Volunteers. Meetings are not required, the project(s) will be done at home.
4. Mini 4-H projects include: Arts & Crafts, Bugs, Cookie Decorating, Collections, Flowers, Foods, Forestry, Horse & Pony, Livestock, Models, Sewing, Small Animals, and Wildlife.
5. Enrollment of Mini 4-H begins October 1st.
6. **ALL POSTER EXHIBITS MUST:**
 - A. Have a solid, stiff backing, which is 11" high by 14" wide.
This can be 1/4" plywood, HEAVY cardboard, foam board, or masonite.

Exception: Wildlife poster is 11"x 22".



- B. Be positioned **HORIZONTALLY**.
- C. Have a total exhibit board no larger than 11" high by 14" wide.
(Wildlife- 11"x 22")
- D. Be completely **COVERED BY A CLEAR PLASTIC** material.

Mini 4-H Forestry

Do you like to take walks in the park or sit under trees in the summer? Have you seen animals or birds that make their homes in trees? Can you find things made of wood around your home? If you have questions about trees and how trees help us, Mini 4-H Forestry is for you!

Forestry is the study of trees. There are many different kinds of trees. Some trees grow fruit or nuts on them while other trees have colorful leaves and sweet-smelling flowers. Each kind of tree is different and each tree has special jobs to do. A walnut tree grows walnuts that can be eaten by animals and people. A pine tree's leaves don't fall off in the winter so these trees can shield buildings from the wind and snow. Oak trees grow tall and have a lot of big branches so they are perfect for keeping the sun off of people, animals, and houses all summer long.

Trees also help us have fun. We can play in piles of leaves, swing from a tire tied to a tree limb, or build a tree house in a tree's branches high above the ground. Trees do a lot of important things that help people and people can do a lot to help trees, also. You will find out some of the ways trees and people can work together in this project manual.

WHAT TO EXHIBIT - GRADE K

1. Exhibit an 11" x 14" poster about leaves that come from trees.
2. Attach a name tag to your exhibit. You can use the name tag printed in this manual.
3. Fill out the record sheet and bring it with your exhibit to the 4-H Fair.

WHAT TO EXHIBIT - GRADE 1

1. Exhibit an 11" x 14" poster about seeds or leaves that come from trees.
2. Attach a name tag to your exhibit. You can use the name tag printed in this manual.
3. Fill out the record sheet and bring it with your exhibit to the 4-H Fair.

WHAT TO EXHIBIT - GRADE 2

1. Exhibit an 11' x 14" poster showing things that people can do to help trees or showing things that people use that come from trees.

2. Attach a name tag to your exhibit. You can use the name tag printed in this manual.
3. Fill out the record sheet and bring it with your exhibit to the 4-H Fair.



NAME _____

GRADE (as of January 1) _____

SCHOOL _____

Mini 4-H'ers Page

Mini 4-H'ers have lots of fun! There are many activities for you to explore. You can try new things, which you can share with your family and friends.

Here are some things to know about 4-H:

The 4-H Symbol: A four leaf clover with a "H" on each leaf

The 4-H Colors: The 4-H colors are green and white. The four-leaf clover is green and the "H" in the leaf is white.

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

4-H PLEDGE

I pledge my **HEAD** to clearer thinking,

I promise to use my head to make good choices.

My **HEART** to greater loyalty,

I promise to use my heart to be a good friend.

My **HANDS** to larger service,

I promise to use my hands to do helpful things for others.

And my **HEALTH** to better living,

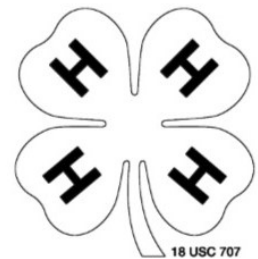
I promise to take care of my body and to show others to live in a healthy way.

For my club, my community,

I promise to help my group, my community,

My country, and my world.

my country, and my world be happy and safe for everyone.



Activity 1 - Test Your Senses

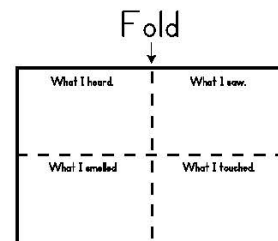
Take a walk in a forest, woods, neighborhood park, or yard. Listen—what do you hear? Look—what do you see? Sniff the air—what do you smell? Touch with your fingers—what do you feel? Try to remember as many things as you can so you can draw them when you return from your walk.

Things you need:

- white paper to draw on
- crayons or markers

What you do:

1. Fold your paper into quarters (4 sections). First fold your paper in half and then open your paper up and fold it in half the other way.
2. Write "What I heard" at the top of one of the sections and draw a picture of something you heard.
3. Write "What I saw" at the top of the next section and draw a picture of something you saw.
4. Write "What I smelled" at the top of the next section and draw a picture of something you smelled.
5. Write "What I touched" at the top of the next section and draw a picture of something you touched. Share what you drew with someone else.



STRETCHERS

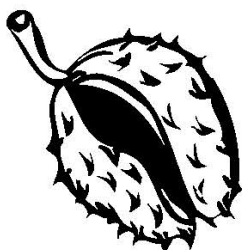
1. Collect 3 things on a walk in the woods. Have everyone talk about the things that were found (what they feel like, look like, smell like.) Put all items aside. Choose one of the items and place it in a brown paper bag. Choose one child to come up and feel the item in the bag and guess what the item is. When the child guesses, have them choose an item to place in the bag for the next guesser.
2. Take a blindfold walk with a friend. One person puts on a blindfold and the other person leads the blindfolded person to some interesting things to study by touch in the forest.

Excerpted from Mini 4-H Forestry, Purdue University Cooperative Extension Service.

Activity 2 – Seeds

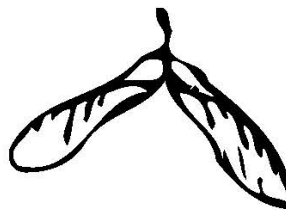
There are many different types of seeds that grow trees. The pecans, hazelnuts, and walnuts we eat are really the seeds for trees. New trees grow when the seeds from trees are planted in the soil.

Have you ever wondered how seeds move from the tree to the places where they get planted? Even though some tree seeds are planted by people many others are planted by animals. Squirrels, birds, and other animals find acorns and other seeds for food. Before winter these animals gather extra seeds and store them by hiding them in holes in trees or in the ground. Sometimes the animals forget where they hid the seeds and the seeds stay in the ground long enough to grow into trees.



Some tree seeds have tiny stickers on the outside and stick to the fur of animals when the animals walk by. The seed stays on the animals coat until it is knocked off. You may have had one of these seeds stick to your clothes. Sometimes the seed falls to the ground and grows into a tree.

Have you ever heard of a tree seed that could fly? Some tree seeds have wings on them and when the wind blows the seed flies along on the breeze. When the wind stops blowing, the seed drops to the ground and sometimes the seed grows into a tree.



Some seeds drop into rivers or streams and are carried away by the water. The seeds may wash up onto the shore and later grow into trees.

Things you need:

- pencil, crayons, or markers
- Acorn Matching Activity Page
- Design-An-Acorn Activity Page

What you do:

1. Follow the directions on the Design-An-Acorn Activity Page and the Acorn Matching Activity Page.

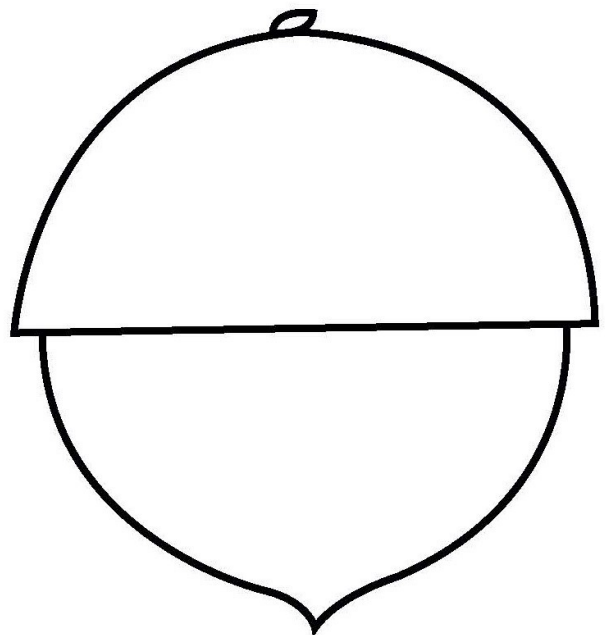
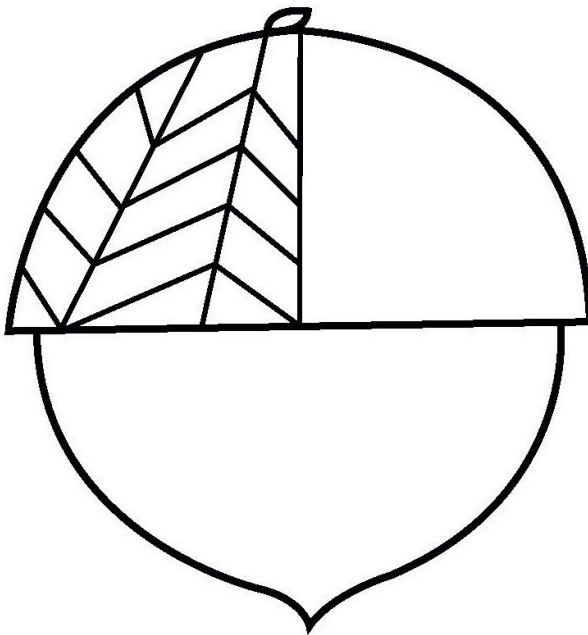
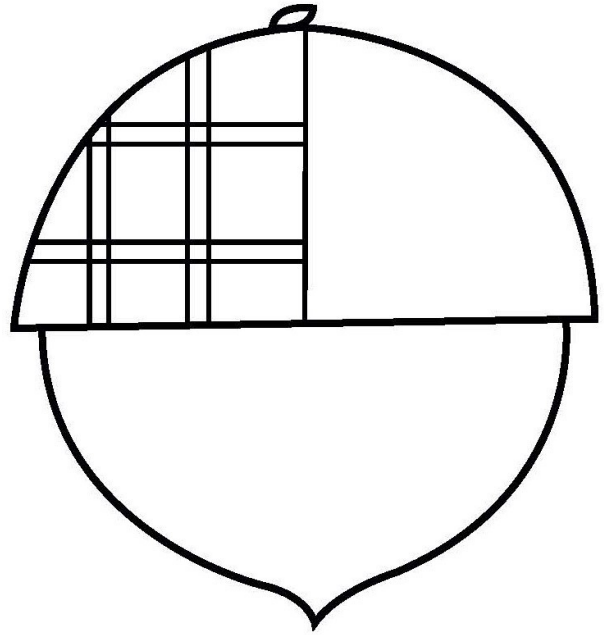
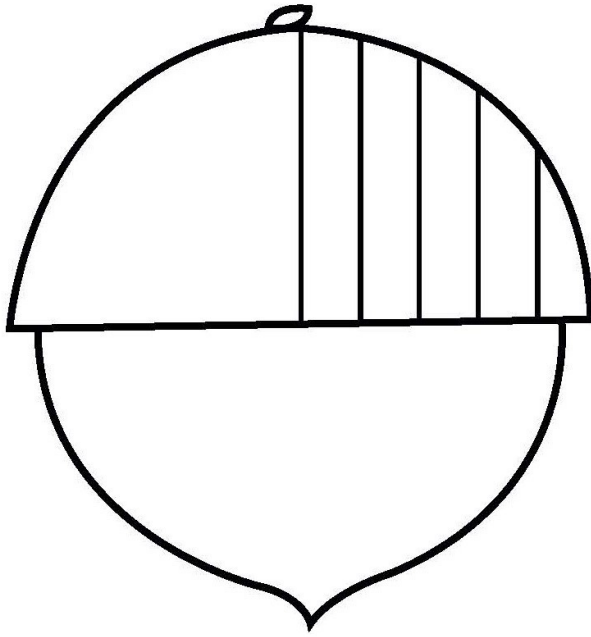
NOTE: Lesser skilled children may have difficulty recreating and/or matching some of the more intricate patterns.

Excerpted from Mini 4-H Forestry, Purdue University Cooperative Extension Service.

Design-An-Acorn Activity Page

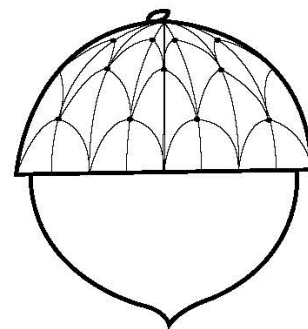
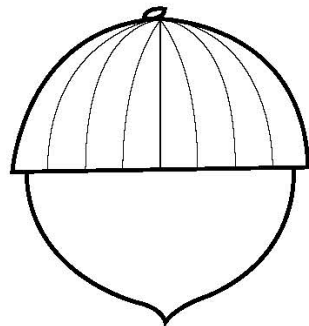
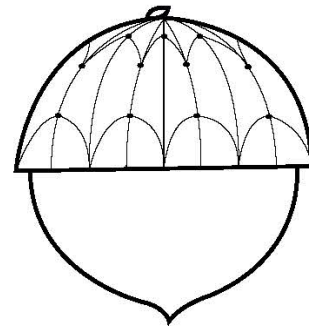
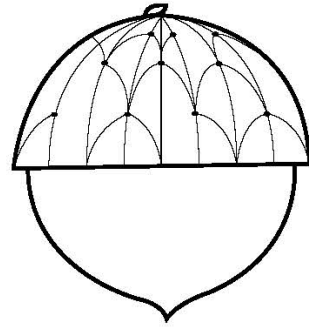
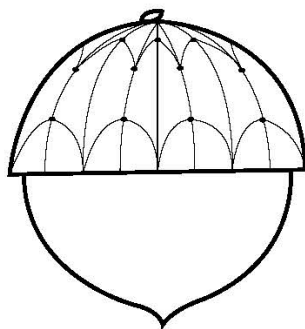
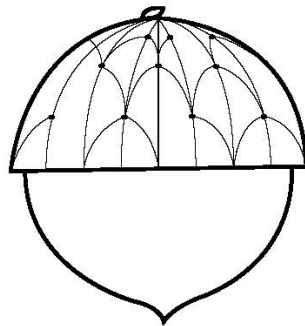
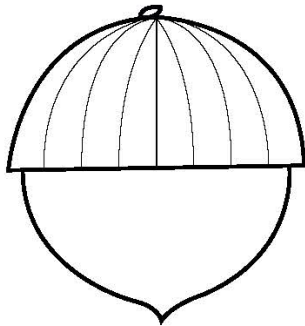
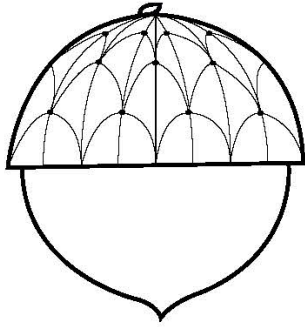
Finish the design on the acorns.

Draw on the blank acorn to make your own design.



Acorn Matching Activity Page

Draw lines from the acorns on the left side of the page to the acorns that are the same on the right side of the page.




Activity 3 – A Home For Animals

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

What you need:

- scissors
- stapler
- Animal Activity Page
- Home Sweet Home Activity Page

What you do:

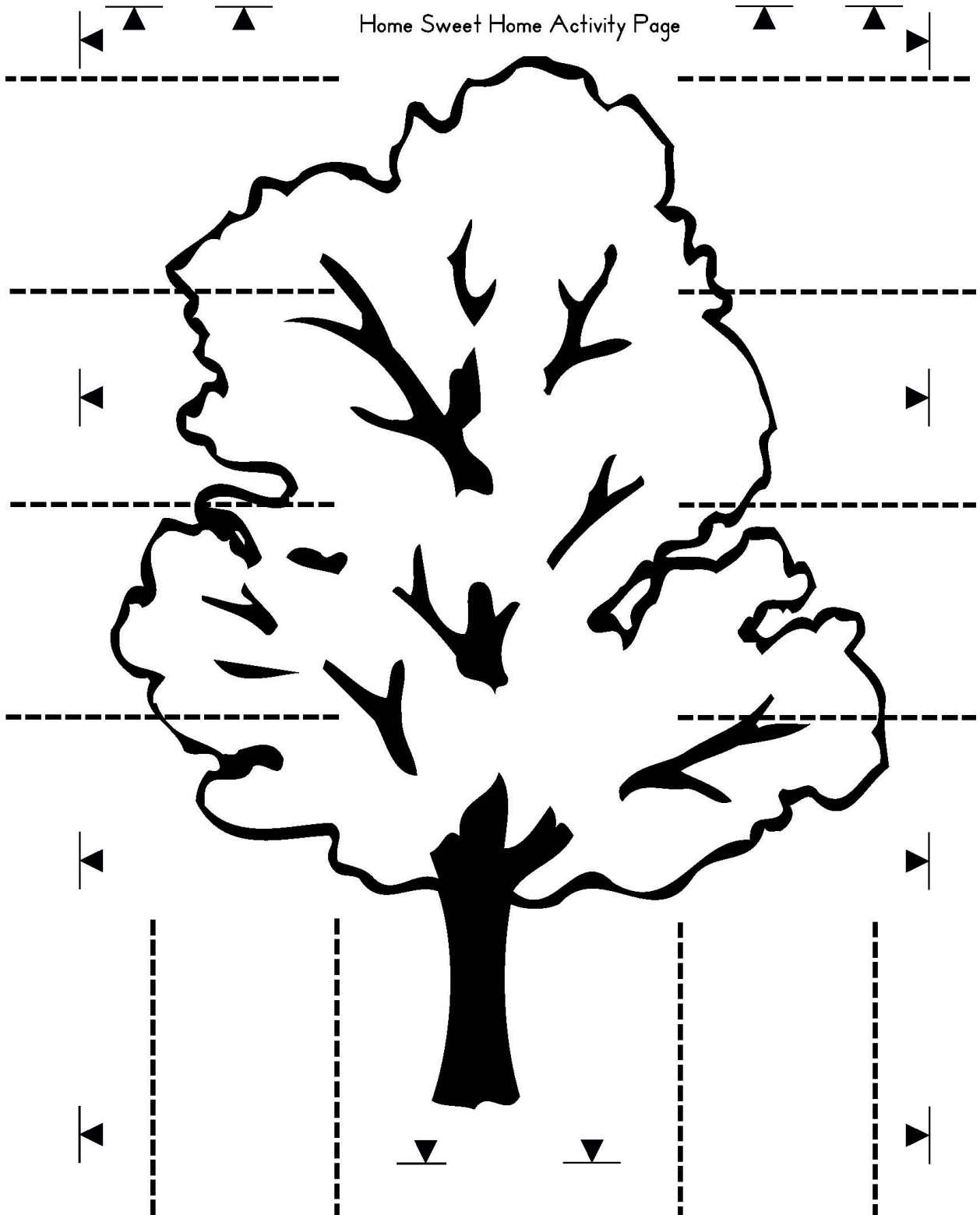
1. Color the tree on the Home Sweet Home Activity Page.
 2. Cut along dotted lines on the Home Sweet Home Activity Page.
 3. Lay Home Sweet Home Activity Page on top of the Animal Activity Page and staple where you see this 
 4. Fold back all the flaps that are not stapled to make doors.
 5. What kinds of animals do you find behind the doors? What other kinds of animals live in the woods?
- ** Adults may need to help with the stapling.

STRETCHERS

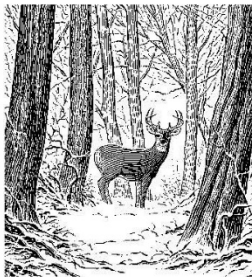
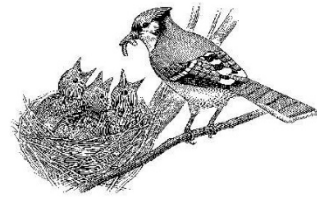
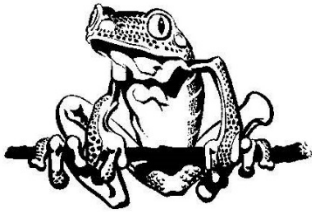
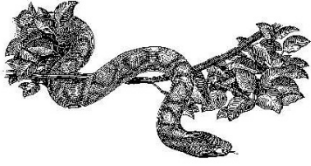
1. Make a bird's nest out of coconut. First, color the coconut with food coloring and press it firmly into a muffin tin. Once the coconut is shaped, remove it from the muffin tin and add peanuts and raisins to the nest for eggs. Have fun eating the nest you made.
2. Cut a piece of paper to fit in the bottom of a shallow container with sides, like a shoe box or a cake pan. Dip acorns or other nuts in paint and then drop them in the container and onto the paper. Move the container back and forth to create a design.

Excerpted from Mini 4-H Forestry, Purdue University Cooperative Extension Service.

Home Sweet Home Activity Page



Animal Activity Page



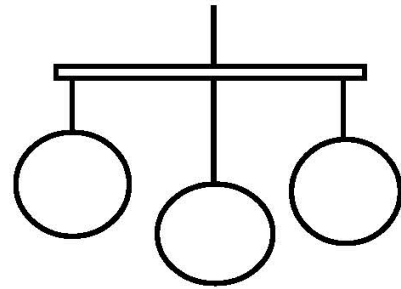
Activity 4 – Things Trees Give Us

There are many things that we use every day that are made from trees. Many of our homes, furniture, and pencils are made from wood that comes from trees. Even the paper in this manual is made from trees. Look around your home and neighborhood. Can you name 4 things we have not talked about that are made from trees?

Trees also give us food to eat. We get many different kinds of nuts from trees. People like to eat pecans, hickory nuts, walnuts, and brazil nuts. Don't forget that coconuts come from trees, too. Fruit trees give us apples, peaches, pears, and plums. Can you name other foods people eat that come from trees?

Things you need:

- 1 large, sturdy paper plate
- 3 small paper plates
- magazines
- paper punch
- markers
- glue
- scissors
- yarn



What you do:

1. Cut pictures from magazines of things trees give us.
2. Glue the pictures to the 3 small paper plates so each plate is covered with pictures on the front and back. Try not to use two pictures of the same thing.
3. Use the paper punch to punch holes in the top of the 3 small paper plates. Punch 3 holes around the edge of the large paper plate. Be sure to space the holes the same distance apart.
4. Attach the 3 small paper plates to the large paper plate with yarn as shown in the picture. Use yarn to make a hanger for your mobile.

STRETCHERS

1. Put a number on the outside of a container. Put the same number of dots on the other side of the container. Encourage children to count out the matching number of acorns, pinecones, or leaves to put in the container.

Excerpted from Mini 4-H Forestry, Purdue University Cooperative Extension Service.

Activity 5 – Ways Trees Help Us

Trees help us in many ways. The leaves on trees make oxygen for people and animals to breathe. Leaves help make the air clean and keep it cool. Leaves fall from trees and **decay** or rot. When the leaves rot they turn into minerals for the soil. This helps to make the soil rich so plants and trees can grow and be healthy.

Trees help protect people, animals, and property from sun, wind, rain, and snow. Many times trees are planted to make a place look better. Trees add color and variety. Sometimes trees are planted so we can not see behind them. They can help block a view that is not very pretty like a bunch of trash cans. Trees can even block loud sounds that come from roads or factories.

Trees have lots of roots that grow deep into the soil. Water and wind can erode or wear the soil away if there is nothing to protect it. Tree roots help keep the soil from eroding because the roots hold onto the soil.

Homes for birds, squirrels, raccoons and other animals and insects are found in trees so we can enjoy these animals. You may not see these animals around your house without trees. Trees also give animals and people food to eat like fruits, nuts, and seeds.

The wood from trees is used to build houses, boats, and furniture. Wood may have been used to make the pencil you write with. The paper in this manual is also made from wood.

Trees can be used to help us have fun. You can hang a swing from the strong branch of a tree or you can use the shade of a tree to keep you cool while you are having a picnic. You can rake the leaves that fall from a tree into a pile and then run and jump into the pile just for fun. Can you think of other ways trees help us have a good time?

Things you need:

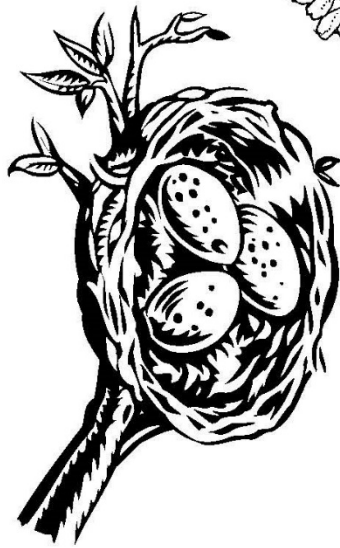
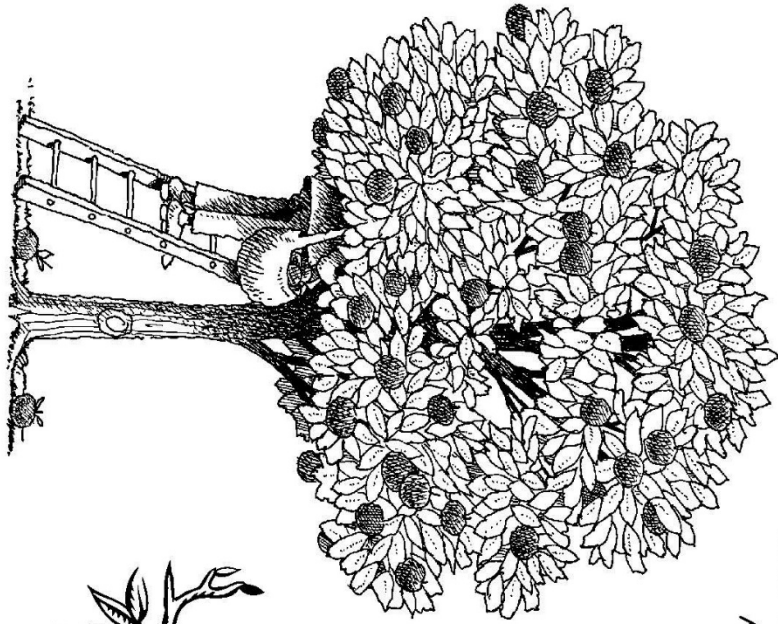
– **Some Ways Trees Help Us Activity Page** – scissors

What you do:

1. Cut out each small picture and match it to the big pictures.

Excerpted from Mini 4-H Forestry, Purdue University Cooperative Extension Service.

Some Ways Trees Help Us
Activity Page



Activity 6 – Trees Need What People Need

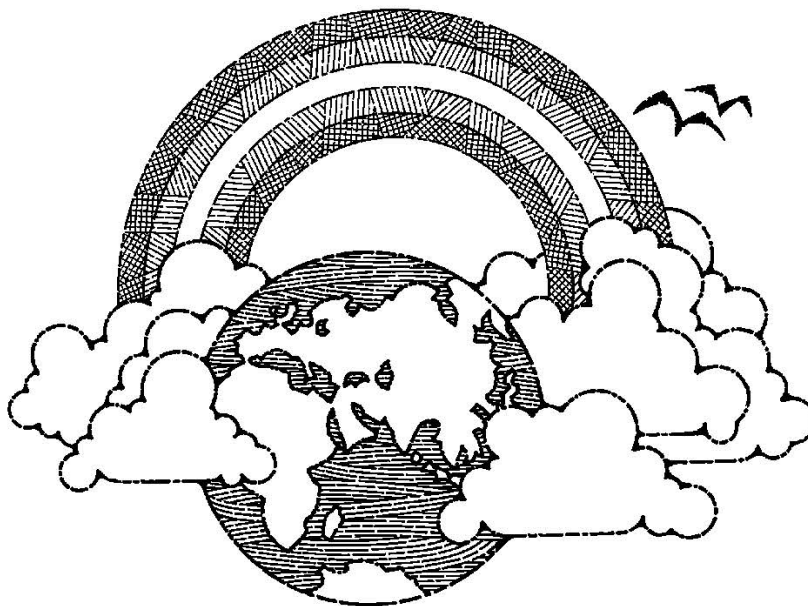
Trees need many of the same things you need to grow healthy and strong. Trees need good food and clean water just like you do. You can help keep the soil and water clean by **recycling** your used plastic, glass, paper, and metal. When items are recycled they are made into things we can use again. This helps save our natural resources so they can be used for other things. Also, remember to always throw trash into a trash can and not on the ground.

Things you need

- Help Sam Find The Recycle Bin Activity Page - pencil

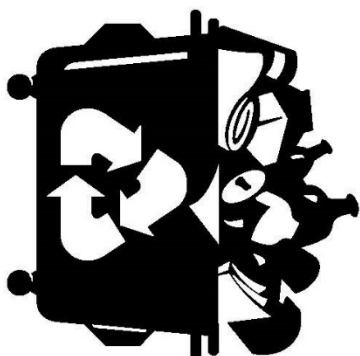
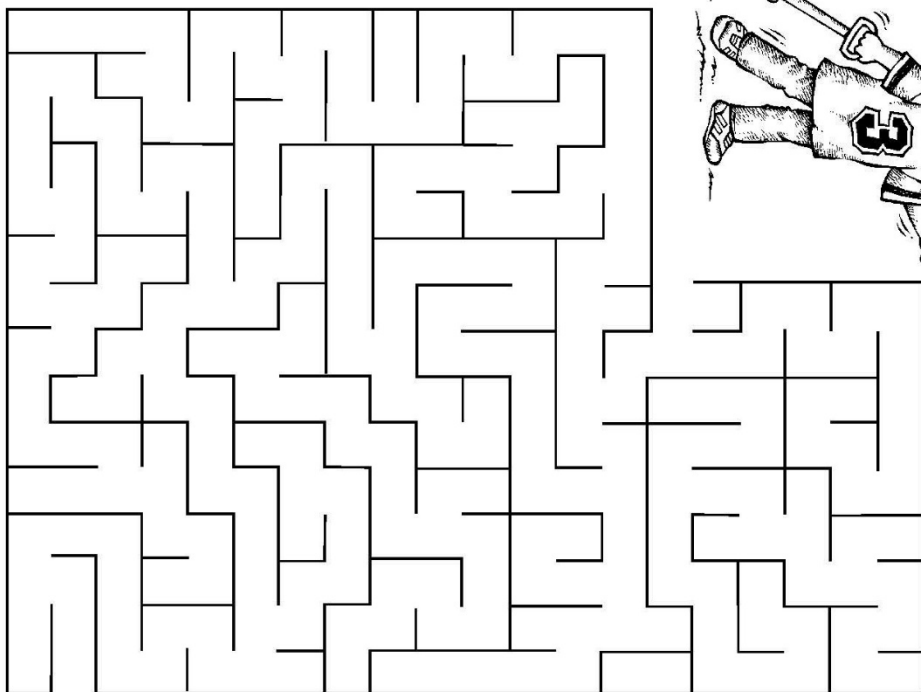
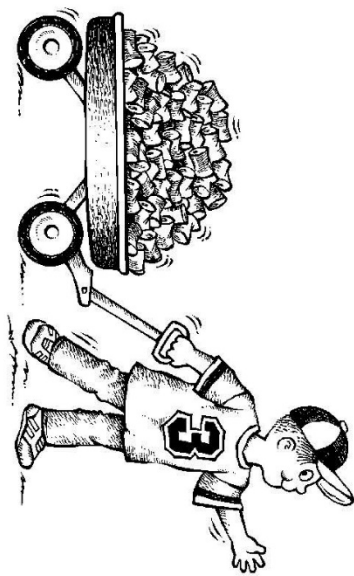
What to do

1. Draw a line from Sam through the maze to the recycle bin. Do not cross over lines.



Excerpted from Mini 4-H Forestry, Purdue University Cooperative Extension Service.

Help Sam Find The Recycle Bin Activity Page



Activity 7 – Ways We Can Help Trees

There are many ways trees help people. Did you know there are also many ways people can help trees?

Trees need to be kept safe. You can help protect trees by not playing with matches and by reminding grown-ups to be sure their campfires are completely out before leaving a camp site. Never cut the bark of a tree or break off branches. This can damage the tree by letting germs in. This can cause the tree to get sick and die.

Trees need love. You can help plant trees in your neighborhood. Be sure to tell others all the ways they can help trees, too.

What you need:

- Decoder Activity Page
 - Some Ways You Can Help Trees Activity Page
- pencil

What to do:

1. Match and copy the letters from the Decoder Activity Page to the Some Ways You Can Help Trees Activity Page to find out what you can do to help trees.



Decoder Activity Page

A



B



C



D



E



F



G



H



I



J



K



L



M



N



O



P



Q



R



S



T



U



V



W



X



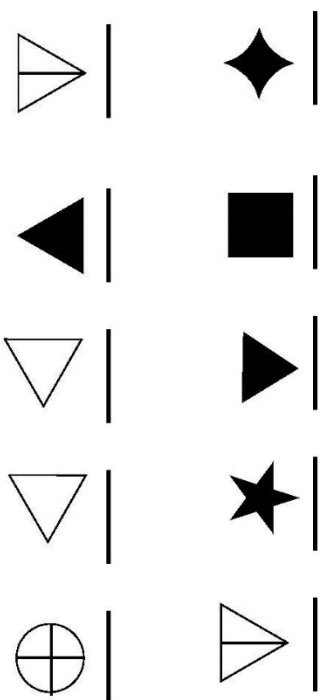
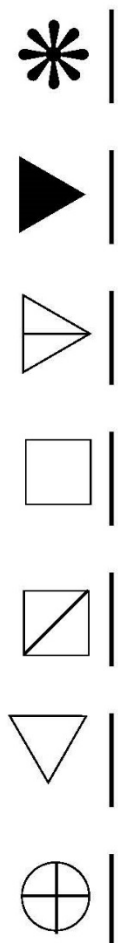
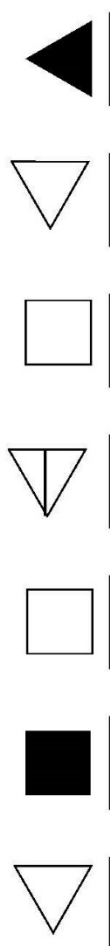
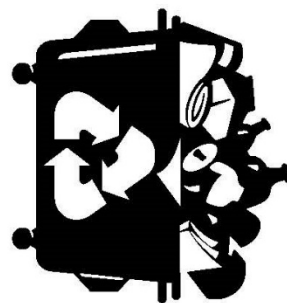
Y



Z



Some Ways You Can Help Trees Activity Page



RECORD SHEET

MINI 4-H FORESTRY

Name _____ Grade _____

School Attending _____

Please complete and bring with Mini 4-H Exhibit.

I choose to exhibit _____.

I took a walk and saw _____

_____.

I learned _____

_____.

My favorite part of Mini 4-H this year was _____

_____.

List who helped you with the project _____
