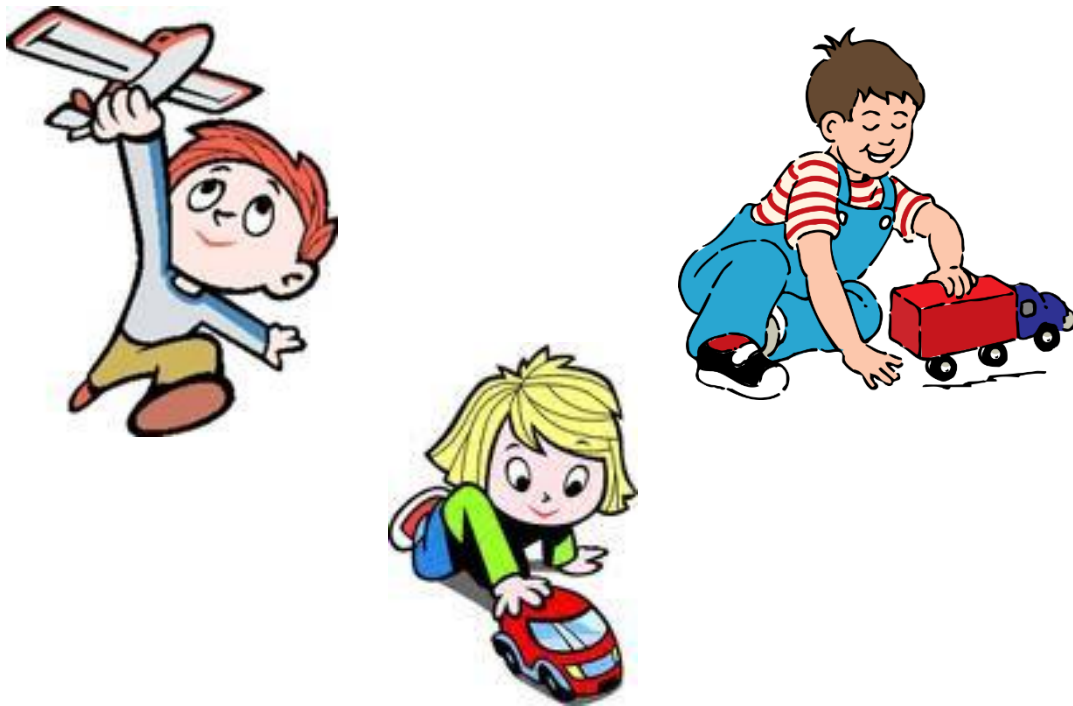




# Mini 4-H

# MODELS



## An Introduction to 4-H for Youth in Grades K - 2

*Credit to Elkhart County Mini 4-H*

Purdue University is an equal access/equal opportunity institution.



# 4-H Facts



**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 Hands to larger service  
My Health to better living  
For my Club,  
My Community,  
My Country,  
and my World.**



# Mini 4-H



**Welcome** to *Mini 4-H*! You are now a member of the Whitley County 4-H family! We hope that you will have lots of fun learning new things in your 4-H career.

*Mini 4-H* is designed for youth in Kindergarten through Second grade. It will give you a taste of the 4-H program as well as help you to explore a variety of project areas.

This manual contains fun, age appropriate activities to complete throughout the 4-H year. These activities will help you to learn about the project you have chosen. Additionally, the manual contains all instructions for the exhibit you will be preparing for the Whitley County 4-H Fair in July.

There is no competition in the *Mini 4-H* program. Each child who completes a project for the Fair will receive the same completion ribbon. Leaders will give each project comment sheets, they are provided only as a way to help you do your very best on future projects.

*Mini 4-H* will meet January through June. Try to attend as many workshops as you can they are planned especially for YOU! These will give you a chance to meet the leaders, have some hands-on fun, and ask questions about your important Fair display. *Mini 4-H* is FUN! You will enjoy it.

Once you enter the third grade you can join a regular 4-H club that meets monthly. You must enroll each year of your 4-H career.

If you have questions about the *Mini 4-H* program, please call the Purdue Cooperative Extension Office at 260-244-7615. We will be happy to answer your questions.

**As a Mini 4-H parent, please help guide and encourage your child through the activities. Work with them to help them to “learn by doing”. Activities are designed to help your child learn about the project they have chosen. It is not required that they complete all the activities. Choose those that interest you and your child.**

## Leaders



## What is a Model?

A *model* is a small version of a real thing. Many of us like to make models of cars, boats, planes or buildings. Making a model can be fun. It can take a lot of time to plan and build a model. In *Mini 4-H* you will be building a model from a kit that is purchased at the store.



## ACTIVITY 1 – LOOK AROUND



**Materials needed for this activity:**      Tape measure      Pencil

**What you will do:**

1. Look around where you live. Look up close and far away. Look from the outside and the inside.
2. Write down what you see. What color is it? How big is it? Use your tape measure. Does what you see look new or old? Use the chart to keep notes about what you see.

Questions	Thing # 1	Thing # 2	Thing # 3	Sample
What is it?				<i>table</i>
Color(s)				<i>brown</i>
How tall?				<i>18 inches</i>
How wide?				<i>36 inches</i>
How deep?				<i>24 inches</i>
Does it look old?				<i>old</i>
Moving parts?				<i>no</i>

**What did you learn?**

Why is it important to look closely at things you want to build a model of? \_\_\_\_\_

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Did you see things that you did not before? What? \_\_\_\_\_

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Which thing would you most like to make a model of? Why? \_\_\_\_\_

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## ACTIVITY 2 – A FIRST MODEL

The fun thing about models is you can make anything that you want out of a variety of things. There is no right or wrong way to make a model.

You have probably been making models for years and did not even know it. Have you ever played with blocks, like *Legos*®, built a monster with *play dough*, or a tower out of sugar cubes or playing cards? If the answer is yes, then you have already been building models.

### **Materials needed for this activity:**

Any material with which to build a model

Your imagination!

### **What you will do:**

1. Think of something you would like to use to make a model. Try toothpicks, building blocks, cardboard or *Play-Doh*®.
2. Build a model with your materials. Think about making it look like the larger version of the same thing.



**What did you learn?**

What did you use to make your model? \_\_\_\_\_

\_\_\_\_\_

What was your model (car, boat, or tower)? \_\_\_\_\_

\_\_\_\_\_

What other materials could you use to make a model? \_\_\_\_\_

\_\_\_\_\_



**ACTIVITY 3 – MODELS AROUND US**

There are different kinds of models. Plastic models are fun and easy to do. When they are done, they look like the real thing, only smaller.

Take a look around your home or school. Do you see other models? Remember...models are small versions of the real thing. What are these models made of? *Hint...does anyone sleep with a special stuffed animal friend?*

**Materials needed for this activity:** Pencil Activity sheet

**What you will do:**

1. Look around you! Fill in the following chart with models you find in the world around you. This can be at your home, school or museum, etc. See how many you can find.

Questions	Model # 1	Model # 2	Model # 3
Model of what?			
Made of what?			
Where found?			

**What did you learn?**

What are some of your favorite models? \_\_\_\_\_

\_\_\_\_\_

Were you surprised at the number of models around you? \_\_\_\_\_



**ACTIVITY 4 – MAKE A PLASTIC MODEL  
FROM A KIT**

*(Get permission from your parents.)*

**Materials needed for this activity:**

Model kit (We suggest a ***snap together*** model for your first model.  
A safe place to lay out the pieces to build your model.





**What you will do:**

1. Select your model. Choose a model that you like! A car, boat, airplane, dolls or other models would work nicely. It may be a snap together model or one that you glue together. If this is your first model kit, we suggest a *snap together* model.
  - Please keep your model small to medium sized.
  - The cost of your model kit should be reasonable.

**Now you are ready to build your model!**

1. Find a place to put your model together where it will not be disturbed. You will need a lot of time to do a good job.
2. Lay out all the pieces so you can see them.
3. Look at the instructions. Make sure you have all the parts in your instructions. If you do not, put the model back in the box and get a different model. You cannot finish a model without all the parts.
4. Read all the instructions. You will need an adult to help you.
5. Now you are ready to begin putting together your model.
6. Painting is optional and not suggested for a first model.

**What did you learn?**

What kind of a model did you build? \_\_\_\_\_

Was it hard to build your model? \_\_\_\_\_

How long did it take you to build your model? \_\_\_\_\_

Who helped you build your model? \_\_\_\_\_

**Displaying Your Model:**

You will want to find a safe place to display your model. You may want to place it on a board, cardboard or in a display case that you purchase. You may want to decorate the base so it looks like a road (car) or a runway (airplane). Use your imagination. Keep it in a safe place where it won't be knocked off and broken.



## What to Exhibit *MODELS*

**Models must be on a display board, it should be no larger than 12" x 12" and 12" high and covered in plastic.**

**Kindergarten - 2<sup>nd</sup> Grade:** Make a Lego, Technic, K-nex, or similar age appropriate kit.

Exhibit Tag:

<p style="text-align: center;"><b>Mini 4-H</b></p> <p>Name _____</p> <p>Township _____</p> <p>Grade _____</p> <p style="text-align: center;"><b>Models</b></p>
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----- Cut here -----

**Mini 4-H Models Record Sheet**

Name \_\_\_\_\_ Grade \_\_\_\_\_

How much did your model cost? \_\_\_\_\_

How long did you work on your model? \_\_\_\_\_

How many models have you built? \_\_\_\_\_

Why did you check the parts after opening the model package? \_\_\_\_\_

\_\_\_\_\_

Why did you read the instructions before working on your model? \_\_\_\_\_

\_\_\_\_\_