



Mini 4-H

Construction and Architectural Replica



**An Introduction to 4-H for Youth
in grades K - 2**

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Developed by Purdue Extension Elkhart County
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**Elkhart County Mini 4-H Construction and
Architectural Replica Manual
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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 Elkhart 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.

*Mini 4-H*ers may enroll in two different projects each year. 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 needed for the exhibit you will be preparing for the Elkhart 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 green completion ribbon and certificate. Judges comment sheets are provided only as a way to help you do your very best on future projects.

Mini 4-H does not have regular monthly meetings. Try to attend the special activities planned especially for YOU! These will give you a chance to meet the project 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 574-533-0554. 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 “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 in this manual. Choose those that interest you and your child.



What is Replica?

A *replica* is a small version of a real thing using different building materials. It can take a lot of time to plan and build. In *Mini 4-H* you will construct and recreate a replica of something. Like a store, a house, a city etc.



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. What is it made of? Use the chart to keep notes about what you see.

Questions	Item # 1	Item # 2	Item # 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>
Made out of?				wood
Moving parts?				no

What did you learn?

Were they all made of the same materials? _____

What other materials could be used to make your items? _____



ACTIVITY 2 – BUILD A FORT

Materials needed for this activity: Covering material (blankets, sheets, towels etc)
Sturdy framework (furniture, sticks, boxes, etc.)

What you will do:

1. Arrange your framework pieces in the design of your choice. Keep in mind that the coverings could weigh it down or slide off.
2. Add your covering materials to your framework.
3. Enjoy and have fun

What materials did you use? _____

Did your fort fall? _____

How could you have constructed it better? _____



ACTIVITY 3 – WORD SEARCH

Word Search

T H X Y D O R Y P R
W I N D O W S D I O
E Q L T O B R I P O
L K J E R Z W R E F
T W G P S G O T S H
C E M E N T O N M A
I W I R E S D Z G M
U Z B M E T A L L M
K V N A I L S T U E
U B R I C K O K E R

windows
tiles
wood
pipes

cement
metal
dirt
glue

hammer
wires
roof

nails
brick
door



What to Exhibit

Construction and Architectural Replica

1. Make one **replica no bigger than 12 inches long in any direction using any small building material.** (Examples: Legos, toothpicks, popsicle sticks etc.) Kits can be used but your imagination is preferred.
2. Your replica must be placed on a display base. This display base will make handling your replica easier and protect it from damage. Your base must be made from something sturdy like wood that is no more than one inch larger than your replica in any direction. (This includes height).

Example: If your replica is 6 inches long and 4 inches wide, then the base should be 8 inches long (since you must add 1 inch in front and 1 inch in back), and 6 inches wide (since you must add 1 inch on the left and 1 inch on the right). Only 1 inch thick.

Hint: Your replica will be moved multiple times before showcase. Your project should be constructed to not fall over just like the real thing you're recreating.

NOTE: If you are unable to pick your project up on Project Release Day, please make arrangements to have it picked up. All projects must be removed from the exhibit building on that day. There is no available storage space for unclaimed projects.

All models must include: (both are found on page 9)

- Record Sheet (attached to the base).
- Exhibit Tag (attached to the front or top of the base).

Exhibit Tag:

Mini 4-H	Name	City	Grade	School	Construction & Architectural Replica
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Record Sheet

----- Cut here -----

Name _____ Grade _____

How much did your replica cost? _____

How long did you work on your replica? _____

How many replicas have you built? _____

What did you make a replica of? _____

Why did you chose to make this replica? _____
