

# Montgomery County Mini 4-H Photography



*Developed by:*

Purdue University Cooperative Extension Service

Montgomery County 4-H Development Educator, Adapted from Purdue Extension,  
Miami, Howard, and Fayette Counties

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MONTGOMERY COUNTY

# Indiana Academic Standards

Following is a list of Science Standards that the activities in this book meet.

## Kindergarten

- K.1.2 Begin to demonstrate that everybody can do science.
- K.3.1 Describe objects in terms of the materials they are made of, such as clay, cloth, paper, etc.
- K.5.1 Use shapes, such as circles, squares, rectangles, and triangles, to describe different objects.

## Grade 1

- 1.5.2 Make and use simple picture graphs to tell about observations.
- 1.6.1 Observe and describe that models, such as toys, are like the real things in some ways but different in others.

## Grade 2

- 2.1.6 Use tools to investigate, observe, measure, design, and build things.
- 2.2.4 Assemble, describe, take apart, and/or reassemble constructions using such things as interlocking blocks and erector sets.  
Sometimes pictures or words may be used as a reference.



# 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 time 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 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-Hers 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 will also get a ribbon made just for Mini 4-Hers!

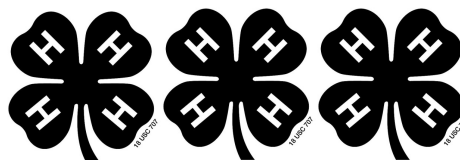
## Things to Know About 4-H

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

The 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, and  
my HEALTH to better living, for my club, my  
community, my country, and my world.



# Mini 4-H Photography

Welcome to the Mini 4-H Photography project! In this project, you will begin to learn the basics on how to take photographs with a camera. If you do not own a camera, borrow from someone you know and have them show you how to use it. Pictures from any camera are acceptable, including cameras on phones!

Whatever camera you choose to use, make sure it is in good working order and you understand what features are available to you.

## Camera Care

Simply owning a camera is a lesson in itself! How do you care for that camera? Check out some tips below that will help you keep your camera in great shape and taking great pictures!

1. Dust and moisture are harmful to cameras. Store your camera in a dry, well-ventilated place. Don't store it near moth balls or other chemical materials to avoid damage to metal surfaces.
2. Avoid dropping or hitting your camera.
3. Never store where the temperature is greater than 122°F. For example, a car
4. sitting in the sun on a hot, summer day.
5. Never rub the lens surfaces with your fingers, clothing, tissue, or paper towels. This can cause scratches. It is best to use a microfiber glass cleaning cloth.
6. It is always a good idea to practice good hand washing and drying before touching your camera. This helps make sure that no food residue or anything else can get on your camera.
7. It is harmful to the camera for the lens and view finder to be touched. This could scratch them both, causing more issues when taking pictures.
8. When it comes to storage, you will need a camera bag so that when the camera isn't in use, it can be stored in a protective area.
9. Avoid leaving your camera out where it could get sunlight, dust, accidentally dropped, food/drink spilled on it.
10. Avoid dropping your camera.

# Parts of a Camera

## FRONT VIEW

SHUTTER TRIGGER

SHUTTER



CAMERA BODY

IMAGE SENSOR

[www.photographyaxis.com](http://www.photographyaxis.com)

- **Shutter trigger or button:** This is the button you slowly push when taking the picture. It triggers the shutter to close freezing the subject and creating what we see as a picture.
- **Shutter:** This part opens and closes, controlling the light that comes into the camera.
- **Camera body:** The camera body is the part of the camera you hold while taking the picture.
- **Image sensor:** The image sensor is the box looking window that records the image.

# Parts of a Camera

- **Viewfinder:** A viewfinder is the part of the camera that display the image to be taken and is only visible when the camera is held up to the photographer's eye.
- **Primary LCD display:** The primary LCD display allows the photographer to review images taken. It also can be used as a viewfinder.
- **Button interface:** The button interface is a series of buttons that can assist in zooming in and out, viewing photos, deleting photos, and accessing the camera's menu.



# Do's and Don'ts of Photography

1. When using a camera with an eye viewfinder, make sure your eye is as close to the viewfinder as possible so you see the whole picture. When using a camera with a large view finder, you will be able to see the whole picture.
2. When pressing the shutter button, do it gently and smoothly. This helps avoid taking blurry pictures.
3. Use flash setting appropriately for the camera you are using so your subject will not be too dark or light.
4. Bright sunny days are not the best days to take pictures. The best days to take pictures are bright days with good cloud cover. On these days there are no shadows.
5. When shooting in color, try to use colorful subjects. If everything in the picture is black and gray, then taking pictures in black and white may be a better choice. Reds always help brighten a picture.
6. Try to be aware of what is in the background of the picture before taking the picture. This is perhaps the most difficult thing to do in photography. Avoid messy or "busy" backgrounds and other backgrounds which don't let the subject stand out. A person in dark clothes should be against a lighter background so that he/she will stand out.
7. Try to fill the picture with the subject matter. Too often a problem those just starting to take pictures is that they do not get close enough to the subject.
8. Avoid taking pictures into the sun; especially if it is bright.
9. People make interesting subjects but avoid poses.
10. Have someone help you select the pictures you should display. To get good pictures, you may have to shoot many more pictures.



# Activity 1 – Life is Like a Box of Crayons

Part of being a great photographer is being able to capture colors. The world around us is full of colorful objects like pretty spring flowers and brightly colored insects, all the way down to the 96 assorted colors in a box of crayons. In this activity, you will capture the various colors and shapes around you.



1. Who goes there? Using items around you, or in nature, spell out your name with different pictures representing each letter of your name. Post the picture below.

Hello, my name is: \_\_\_\_\_

2. Take at least 3 pictures of items that are your favorite color. Be sure to look inside, outside and all around! Post them below.

My favorite color: \_\_\_\_\_

# Activity 2 — A Picture is Worth 1,000 Words

One of the things that makes photography so popular is the ability to capture a moment in time and reflect on it for years to come. Likewise, it is often said that "a picture is worth 1,000 words". People take pictures to tell a story.

1. Using your photography skills, take a series of at least 3 pictures that tell a story. Paste the pictures below.

2. Now that you have your pictures, write a short story below explaining your images. Be creative and have fun!

# Activity 3 – Photo Scavenger Hunt

How good are you at finding or noticing things around you? A Photo Scavenger Hunt is a creative way for you to experience and interact with the world and people around you. This Photo Scavenger Hunt will highlight everyday sights that are right out your back door.

It's time to grab your camera slip on some shoes and have some fun on this photo-based adventure! Take a picture of each of the items listed below.

Something green	A flower
Someone making a silly face	Something that begins with the letter "T"
Something you can eat	An insect
Something round	Something that has the 4-H clover on it

Once your Photo Scavenger Hunt is complete, paste 2 of your favorite pictures of the above items in the space provided below.

# Activity 4 — Important People

There are many important people in your life who care about you and that you have close relationships with. This could be your parents/guardians, grandparents, siblings, friends, teachers, coaches, etc. In this activity you will take a picture of your important person and ask them questions to get to know them better. Feel free to create your own memory book with the pictures of your important people.

1. What year were you born? \_\_\_\_\_
2. What is your favorite color? \_\_\_\_\_
3. What is one of your hobbies? \_\_\_\_\_
4. What is your favorite food? \_\_\_\_\_

Post a picture of your important person in the space provided below.

What is one thing you learned about your important person?

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# What Do I Exhibit?



Here is a list of projects that can be shown at the 4-H Fair. Pick one project you would like to try. Next year, choose a different exhibit. You do not have to make them in any order. If you have any questions, please call the Extension Office. There are people there who can help you.

## Exhibit Tips:

- Pictures may be black and white, color or mixed.
- Your pictures should all be the same size and uncropped.
- You can use a cellphone.

## Exhibit Options:

1. A poster with six pictures of non-moving subjects (landscapes, buildings, scenery, etc.)
2. A poster with six pictures. Three of the pictures can be of anything you like. The other three should be of the following:
  - ◇ One picture of your school
  - ◇ One picture of a special friend- that friend may be your best friend, a dog or cat, a brother or sister, or your parents/ guardians.
  - ◇ One picture of where you live.
3. A poster with six pictures. Four pictures can be of anything you like. The other two should be of the following:
  - ◇ One picture of scenery
  - ◇ One picture of your favorite animal

# Montgomery County Mini 4-H Mini 4-H Photography Record Sheet



Name: \_\_\_\_\_

What kind of camera did you use? \_\_\_\_\_

How many pictures did you take? \_\_\_\_\_

Briefly describe your project exhibit.

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What do you like best about your Mini 4-H project?

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List two things you learned about this subject?

1. \_\_\_\_\_

2. \_\_\_\_\_

What were your favorite pictures you took?

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