



2019-20 Rock County 4-H Project Guide

WHAT IS A 4-H PROJECT?

A 4-H project is an area that you want to learn more about during the year. There are projects on just about any topic you would like to learn about and explore.

How do I select my projects?

- Make a list of the things you like to do or want to learn more about.
- Compare your list with the projects described in this guide. Ask yourself if you have the equipment, money and time to do the projects that sound interesting.
- You may enroll in as many projects as you like (See the Fair Premium Book for the number of projects in which you can exhibit).
- If this your first year in 4-H, concentrate on doing only one or two projects well.

You'll learn more than subject matter as you complete your projects. You'll learn many life skills that you'll use every day of your life, such as understanding yourself, communicating better, solving problems, making decisions, and working with others. Good luck in your project selections. Have a great 4-H year!

ENROLLMENT

All 4-H members and leaders will enroll online at: <http://wi.4honline.com>

Find more Rock County 4-H information at: <https://fyi.extension.wisc.edu/4hrock/>

Find detailed project information (including literature) at: <https://fyi.extension.wisc.edu/wi4hprojects/>

Project curriculum may be purchased at: <https://shop4-h.org/>

- Member's grade is as of January 1, 2020
 - 5K-2nd grade – You are a Cloverbud and must enroll in the Cloverbud project
- **Enroll by March 1, 2020 to be eligible to exhibit at the Rock County Fair.**
- BEFORE you hit “submit”, print a list of your projects to be sure you have properly enrolled!
- **If you are re-enrolling, be sure to delete the projects in which you are not enrolling!**
- If your enrollment does not go through, try using a different browser such as Chrome, Firefox etc.
- Enrollment and other fees **MUST** be paid to your club as usual.

IMPORTANT DATES

OCTOBER 1ST – SEPTEMBER 30TH – 4-H Year

You can enroll in 4-H year round

MARCH 1ST – Deadline to enter projects in 4-HOnline to be able to exhibit at Fair

APRIL 1ST – JUNE 1ST – Online Fair Entry for exhibiting at Fair

BE A 4-H VOLUNTEER!

There are opportunities for adult volunteers to become project leaders in all of the projects listed in this guide! Find information on volunteer opportunities and descriptions here:

<https://fyi.extension.wisc.edu/wi4hvolunteers/become-a-volunteer/>

ANIMAL SCIENCES

Members in some Animal Sciences projects must be YQCA Certified prior to the county fair to be eligible to exhibit.

BEEF (exhibit in Department 2)

- Identify various beef breeds
- Halter-break and show a calf
- Fit and judge beef cattle
- Recognize and raise a healthy animal
- Learn beef carcass composition and retail meat cuts

CATS (exhibit in Dept. 13)

- Select a cat
- Identify cat breeds
- Handle and groom a cat
- Care for its health
- Learn showmanship and cat behavior

CAVIES (exhibit in Dept. 10, Cavy & Hamster classes)

DAIRY (exhibit in Dept. 1)

- Identify dairy breeds
- Learn how to select quality dairy calves
- Fit and show a calf
- Identify stages of calving and care
- Learn to balance rations

DOGS (exhibit in Dept. 9)

- Learn basic skills for dog care and training
- Discover different dog breeds
- Learn how to keep a dog healthy and groomed
- Learn showmanship and training techniques
- Explore dog health and nutrition

DAIRY GOATS & MEAT GOATS (exhibit in Dept. 5)

- Identify dairy and meat goat breeds
- Learn to select a good animal
- Learn to keep your goat healthy
- Fit and show a dairy and/or meat goat
- Formulate rations and evaluate pastures

HORSE & PONY (exhibit in Dept. 6)

- Learn horse behavior and terms
- Study breeds and identify body parts
- Practice horse safety and horse selection
- Practice horsemanship and judging
- Learn about tack, feeding and diseases

Note: a member may enroll in EITHER the Horse & Pony project OR the Horseless Horse project but NOT both!

HORSELESS HORSE

(exhibit in Dept. 6, Horseless Horse classes)

- You do *not* need a horse in this project
- Explore horse behavior, terms and breeds
- Learn grooming, saddling and bridling
- Learn about safety and equipment
- Learn about horsemanship

HORSE CLOTHES

(project not eligible to exhibit at Rock County 4-H Fair)

- Learn how to make riding apparel and equipment
- Develop sewing and creative skills
- Understand textile selection and care.

MODEL HORSE

(project not eligible to exhibit at Rock County 4-H Fair)

- Uses model horses to demonstrate horse knowledge
- Learn about breeds and colors of horses
- Learn about horse equipment, performance classes, and horse shows in general

POULTRY (exhibit in Dept. 7)

- Identify poultry breeds
- Learn how to select and handle poultry
- Learn about chickens, turkeys, pigeons and waterfowl
- Fit and show poultry

RABBITS (exhibit in Dept. 8)

- Learn about selecting and handling rabbits
- Identify rabbit breeds and body parts
- Explore health issues and feeding
- Learn about diseases and prevention
- Learn about rabbit breeding

SHEEP (exhibit in Dept. 4)

- Identify sheep breeds and body parts
- Identify uses of wool and other by-products
- Fit and show sheep
- Learn to identify parasites and diagnose disease
- Use medications safely

SWINE (exhibit in Dept. 3)

- Identify swine breeds, feeds and animal parts
- Practice judging market hogs
- Identify pork meat cuts
- Practice fitting and showing a hog
- Manage a feeding program

VETERINARY SCIENCE

(exhibit in Dept. 10, Vet Science classes)

- Interpret animal behavior
- Identify feed nutrients
- Describe animal life stages and systems
- Create health records for your animal
- Understand diseases that spread from animals to humans

ARTS & COMMUNICATIONS

ART: VISUAL ARTS

(exhibit in Dept. 18, Visual Arts classes)

- Learn art through cutting, pasting and drawing
- Explore sculpting and constructing with fibers
- Learn basketry, beadwork, leathercraft, paper art, wearable art, wood crafts, metal enameling, creative stitchery, jewelry making and more!

PHOTOGRAPHY (exhibit in Dept. 20)

- Explore the camera and learn to use it properly
- Learn the basics of lighting and composition
- Learn the use of different light sources
- Shoot photos that tell a story
- Learn about different lenses and special effects

THEATER ARTS

(project not eligible to exhibit at Rock County 4-H Fair)

- Study acting, sound, movement, and voice
- Try pantomime, clowning and improvisation

DRAWING & PAINTING

(exhibit in Dept. 18, Drawing & Painting classes)

- Learn to draw with pencil, chalk, crayon, etc.
- Learn to blend and shade
- Paint with watercolor, oil and acrylics
- Mix colors
- Mat and frame your artwork

MUSIC

(project not eligible to exhibit at the Rock County 4-H Fair)

- Gain a greater appreciation for music
- Explore different ways to participate
- Listen, perform and compose various types of music
- Make instruments

FAMILY, HOME & HEALTH

CHILD DEVELOPMENT (exhibit in Dept. 29)

- Learn about the development of babies and toddlers
- Learn how to make toys safe for small children
- Discover how to match toys to ages of children
- Make babysitting and first-aid kits
- Check for safety hazards

HOME ENVIRONMENT

(exhibit in Dept. 28, Home Environment and/or Floral classes)

- Learn about home care
- Make decorative items for the home
- Explore the world of home interior design
- Use the principles of design to arrange your home
- Restore or make a heritage item

FOODS & NUTRITION (exhibit in Dept. 25)

- Learn what is good to eat and how to fix simple foods
- Explore why calcium is important to our bodies
- Learn food preservation techniques
- Learn how to decorate cakes
- Plan a complete menu

CLOTHING (exhibit in Dept. 26)

- Thread a sewing machine and identify fabrics
- Select and purchase a pattern
- Sew different buttonholes and seam finishes
- Use specialized sewing tools and equipment
- Design and embellish a garment

KNITTING & CROCHETING (exhibit in Dept. 27)

- Learn to select and purchase yarn, thread and equipment
- Explore crocheting and finishing techniques
- Explore knitting and finishing techniques
- Correct knitting errors
- Learn how to care for finished items

NATURAL RESOURCES & ENVIRONMENTAL EDUCATION

EXPLORING YOUR ENVIRONMENT: GENERAL NATURESPACE

(exhibit in Dept. 16, Naturespace classes)

- Explore the four elements of life: sun, air, water and soil
- Connect to the environment through plants and animals
- Learn how the environment is affected by pollution

STEM (SCIENCE, TECHNOLOGY, ENGINEERING & MATH)

ROBOTICS

(project not eligible to exhibit at Rock County 4-H Fair)

- Explore robots

SHOOTING SPORTS EDUCATION

Archery and Gun Safety are **SEPARATE** projects. If you want to shoot BOTH Archery and Guns, you must enroll in BOTH projects!

ARCHERY (exhibit in Dept. 16, Shooting Sports Competition-Archery and/or Archery Sportsmanship)

- Learn the fundamentals of archery marksmanship
- Learn the parts of bows and arrows
- Learn rules and safety guidelines
- Make archery equipment
- Shoot with sights and different bows

GUN SAFETY (exhibit in Dept. 16, Shooting Sports Competition-Guns and/or Gun Safety Sportsmanship)

- Learn safety rules and guidelines
- Learn marksmanship and shooting procedures
- Learn and practice with air pistol & air rifle (all ages)
- Learn and practice with shotgun, rifle and muzzleloading (only 12 years old and above)
- Learn to plan and equip yourself for a hunt

NOTE: Gun Safety members who have NOT previously done so need to attend a safety training class prior to participating in the Fair Gun Competition. Watch the 4-H newsletter “Cloverpatch” for dates of training sessions.

GUN SAFETY LEADERS

Each Shooting Sports Leader should attend a Certification Training to receive the *WI Shooting Sports Basic 4-H Guidelines*. For more information see <https://fyi.extension.wisc.edu/wi4hshootingssports/>

ARCHERY LEADERS

Each Archery Leader should attend a Certification Training to receive the *Archery Guide and WI Shooting Sports Basic 4-H Guidelines*. For more information see <https://fyi.extension.wisc.edu/wi4hshootingssports/>

PLANT & SOIL SCIENCES

CROPS (exhibit in Dept. 14, Field Crops classes)

- Learn about corn varieties, germination & planting
- Explore types of small grains crops
- Establish and manage a forage crop
- Learn about nutrients, harvesting and storage
- Practice integrated pest management

VEGETABLES AND FRUITS

(exhibit in Dept. 14, Garden and Fruit classes)

- Identify plant parts and their functions
- Explore germination and start a plant from a cutting
- Plan an outdoor garden
- Prepare a vegetable exhibit for show
- Select the best fruit cultivars for your garden

HORTICULTURE (exhibit in Dept. 15)

- Identify plant parts and their functions
- Plant flowers and make flower arrangements
- Grow house plants and start a plant from a cutting
- Select and start new plants and grow transplants
- Maintain your home grounds and landscaping

MECHANICAL SCIENCES

MECHANICAL SCIENCES: Aircraft, Rockets, Bicycles, COMPUTERS (exhibit in Dept. 21)

Small Engines, Scale Models (exhibit in Dept. 24)

- Build and fly model aircraft
- Learn bicycling rules and safe riding
- Build and launch a model rocket
- Tear down and reassemble a small engine
- Learn to assemble scale models
- Learn about hardware, software and components
- Explore how computers work
- Learn the various programs and their features
- Build and repair a computer
- Explore security issues and troubleshooting

RC CARS (project not eligible to exhibit at Rock County 4H Fair)

- Practice driving skills with your remote controlled 1/10th scale and battery operated R/C car
- Learn aspects and mechanics of R/C cars
- Participate in practices and contests

WOODWORKING (exhibit in Dept. 22)

- Learn safety practices when working with wood and tools
- Identify types of nails and wood
- Sand and paint a piece of wood
- Practice safety techniques
- Learn to make more difficult items

ELECTRICITY (exhibit in Dept. 23)

- Understand how to use electricity
- Identify electrical materials
- Wire a simple circuit
- Learn to read circuit diagrams

TRACTORS (exhibit in Tractor Contest, Dept. 24)

- Learn and identify parts of the tractor
- Understand the basics of tractor maintenance
- Research different safety features and learn safety rules
- Practice farm and tractor safety
- Learn tractor and machinery maintenance

YOUNGER MEMBERS

CLOVERBUDS – Grades K-2nd

(exhibit in Dept. 17, Cloverbud) classes)

- Learn about your 4-H club or group
- Begin developing different skills
- Explore your community
- Discover areas of project interest

EXPLORING (exhibit in Dept. 17, Exploring classes)

- Learn about the 4-H program
- Sample a variety of projects offered in 4-H
- Learn about yourself and others

YOUTH LEADERSHIP

YOUTH LEADERSHIP – Grades 6-13

(exhibit in Dept. 33, Youth Leadership classes)

- Assess your leadership skills
- Practice effective communication skills
- Set goals and resolve conflict
- Plan a group event

SELF-DETERMINED

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(exhibit in Dept. 33, Self-Determined class)

- Create your own project or expand on an old one
- Select a project, develop a plan, identify resources
- Carry out and evaluate your plan