

**Welcome To**

**Manitowoc County 4-H**

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**Did you know . . .** 4-H is the youth development part of University of Wisconsin Extension. So, when you participate in 4-H, you are part of the UW System!

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.”

The four “H’s” represent the four points of the pledge: clearer thinking (head), greater loyalty (heart), larger service (hands), and better living (health).

4-H is open to any youth eligible for 4-H membership regardless of race, color, creed, religion, sex, national origin, disability, ancestry, sexual orientation, pregnancy, marital or parental status.

How old do you need to be to join 4-H? You can join 4-H when you enter kindergarten and are eligible to remain in 4-H through one year after graduation from high school. Wisconsin 4-H membership policies are located at: [http://www.uwex.edu/ces/4h/about/join.cfm](http://www.uwex.edu/ces/4h/about/join.cfm)

In its early years, 4-H was a program just for farm kids. Today 4-H is for everyone. Boys and girls in town can enjoy 4-H as much as youth in the country. Over half of 4-H participants now live in larger cities, over one fourth live in towns and rural areas, and less than one fourth live on farms.

This year 4-H will reach about 250,000 Wisconsin youth from all 72 counties. They are involved in 2,100 clubs in community, school and after-school settings, as well as in camps, school enrichment programs, special interest groups, and independent study. There are many exciting ways that you can be part of 4-H and UW-Extension. Check with the Manitowoc County UW-Extension 4-H Youth Development Office to see which kinds of opportunities are available to you.

This project guide lists some 70 different statewide project areas that you can enjoy. But besides 4-H projects, you can get involved in 4-H events and activities throughout the year, including drama festivals, style revues, animal judging contests, camps, county and state fairs, community services, tours, sports, exchanges, speeches, demonstrations, and more.

There is a lot to do in 4-H for older members. Many teen counselors are staff members at 4-H camps. About 500 teens exchange ideas and make new friends each June during State 4-H and Youth Conference at UW-Madison. Many enjoy 4-H educational trips to Washington D.C. and exchanges with 4-H families in other states. Some travel overseas for 4-H international experiences.

About 25,000 adult and youth volunteers will give their time and talent to 4-H each year. The average volunteer donates over 200 hours each year to 4-H.

4-H type programs are truly international. Over 80 countries have similar programs that reach millions of youth.

**This is your guide . . .** 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 study and explore, from art to woodworking, from computers to rabbits, from clothing to small engines.

So how do you know what projects are available to you? Your Main Leader or Enrollment Coordinator can tell you what projects and resources are offered in your county.

Don’t forget to check out the project pages on the Wisconsin 4-H Web Site at [http://www.uwex.edu/ces/4h/onlinpro/index.cfm](http://www.uwex.edu/ces/4h/onlinpro/index.cfm). On these pages, you’ll find descriptions for our statewide projects, Internet resources and links of interest, fair exhibit suggestions, state specialist contacts, and other suggested 4-H resources.

And remember, you will learn more than “subject matter” as you complete your projects. You will learn many “life” skills that you will use every day of your life, such as, understanding yourself, communicating, problem solving, decision making, and working with others.

Good luck in your project selections. Have a great 4-H year!
How to Select 4-H Projects

4-H members . . . First, make a list of the things you like to do or want to learn more about. Talk over your list with your parents, leaders, and friends. They may recognize some special things you are good at that you don’t even realize you do well.

Then 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.

When you are ready to enroll in 4-H and sign-up for projects, you can visit https://wi.4honline.com. Please remember that you sign-up first as a family, and then as individual members. Online enrollment is easy, and it will take you about fifteen minutes to complete your enrollment. The final step of the enrollment process is signing up for projects. You can use this project guide to help you in making decisions about what project to sign-up for.

Many projects have more than one level, such as, beginning, intermediate, and advanced. If you’ve had a lot of experience in an area, you may want to skip the first or beginning level of a project. All projects also have grade recommendations. These are only recommendations.

If this is your first year in 4-H, concentrate on one or two projects. Usually you can spend more than one year in a project unit because there are enough ideas there to span two or three years. Most 4-H’ers take the levels in order, but what you decide to take as part of your project work is up to you.

4-H leaders . . . If you are a 4-H adult leader, some project code numbers are just for you. For example, if you are a leader for all of the Shooting Sports project units, you will use code 60300.

If there are several units within a project and you are a leader for only one of these units, then use the project code number for that unit. For example, if you are a Shooting Sports leader for just archery, use code 60310. You will need to make more than one entry if you are a leader for more than one project unit. For example, if you are a Shooting Sports leader for archery and air pistol, use codes 60310 and 60320. Youth leader codes all end in a “9”.

Adventures

What you can do in this project:
- Learn how to camp safely in all weather conditions
- Investigate camping equipment and clothing
- Build a campfire and cook a meal
- Practice tying knots and first aid
- Learn to use a map and compass

Grades: 3-12
4H444, Introduction to Adventures

Adventures - LDR

4H443, 4-H Adventure Project
Webpage: 4-h.uwex.edu/onlinpro/adventures.cfm

Adventures - YTH LDR

Aerospace 1

What you can do in this project:
- Build an introductory level rocket
- Compare birds and airplanes
- Make a space helmet

Grades: K-2
06842, Pre-Flight

Aerospace 2

What you can do in this project:
- Build straw and paper rockets
- Learn to read a map
- Identify types of aircraft
- Discover how weather affects flying
- Build and fly a kite
- Make a hot-air balloon model

Grades: 3-5
06843, Lift Off

Aerospace 3

What you can do in this project:
- Build, exhibit, and launch model rockets
- Test a paper hang glider
- Make a flight simulator
- Demonstrate why rockets fly
- Organize a kite-flying contest

Grades: 6-8
06844, Reaching New Heights

Aerospace 4

What you can do in this project:
- Design and build rockets and box kites
- Build an altitude tracker
- Plan a flight route
- Discover the affects of gravity
- Explore life in space and aerospace careers

Grades: 9-12
06845, Pilot In Command

Aerospace - LDR

06846, Aerospace Adventures Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/aerospace.cfm

Aerospace - YTH LDR
Air Pistol
What you can do in this project:
- Explore different air pistols
- Learn basic safety rules and guidelines
- Learn marksmanship and shooting procedures
Grades: 3-12

Air Pistol - LDR
Each Pistol Leader should attend a Certification Training to receive the Pistol Guide. For more information, see webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

Air Pistol - YTH LDR

Air Rifle
What you can do in this project:
- Explore different types of air rifles
- Learn basic safety rules and range commands
- Develop marksmanship
- Learn various shooting positions used in competition
Grades: 3-12

Air Rifle - LDR
Each Air Rifle Leader should attend a Certification Training to receive the Air Rifle Guide. For more information, see webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

Air Rifle - YTH LDR

Archery
What you can do in this project:
- Learn the fundamentals of archery marksmanship
- Learn rules and safety guidelines
- Make archery equipment
- Shoot with sights and different bows
Grades: 3-12

Archery - LDR
Each Archery Leader should attend a Certification Training to receive the Archery Guide. For more information, see webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

Archery - YTH LDR

Art 1
What you can do in this project:
- Learn art through cutting, pasting, and drawing
- Explore sculpting and constructing with fibers
- Paint and print using different materials
Grades: 3-6
23112, Elements & Principles of Design Card
4H472, Palette Of Fun Member Sheet & Introduction

Art 2
What you can do in this project:
- Explore art techniques, culture, and history of art
- Learn artistic challenges in drawing, fiber arts, and sculpting
- Develop graphic design techniques
Grades: 7-12
08140, Advanced Visual Arts: Sketchbook Crossroads
08141, Advanced Visual Arts: Portfolio Pathways

Art - LDR
07597, Arts & Crafts - A Palette Of Fun
Webpage: 4h.uwex.edu/onlinpro/artscrafts.cfm

Art - YTH LDR

Backpacking & Hiking 1
What you can do in this project:
- Plan a day hike, select items and plan the food
- Learn to organize and pack a backpack
- Select appropriate clothing
- Prepare a first-aid kit
- Learn to use a compass
- Prepare for dangerous weather
Grades: 3-5
08043, Hiking Trails

Backpacking & Hiking 2
What you can do in this project:
- Plan a camping trip
- Select equipment, including shelter
- Plan a camping trip menu and prepare supplies
- Practice “Leave No Trace” principles while hiking
- Study various organism habitats
Grades: 6-8
08044, Camping Adventures

Backpacking & Hiking 3
What you can do in this project:
- Select group backpacking gear including a tent
- Design a non-tent backpacking shelter
- Develop a personal conditioning program
- Learn to orient a map and use triangulation
Grades: 9-12
08045, Backpacking Expeditions

Backpacking & Hiking - LDR
08046, Outdoor Adventures Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/backpacking.cfm

Backpacking & Hiking - YTH LDR

Beef 1
What you can do in this project:
- Identify various beef breeds
- Identify parts of a beef animal
- Halter-break and show a calf
- Fit and judge beef cattle
- Recognize and raise a healthy animal
Grades: 3-5
08143, Bite Into Beef
4H450, Judging Breeding & Market Cattle

Beef 2
What you can do in this project:
- Present oral reasons during judging
- Learn about feed ingredients, behavior, and parasites
- Study how to do nose-print identification
- Learn beef carcass composition and retail meat cuts
Grades: 6-8
08144, Here’s The Beef
Beef 3
What you can do in this project:
- Explore selection and judging
- Learn about careers, health, reproduction, etc.
- Discover how to market your animal and by-products
Grades: 9-12
08145, Leading The Charge

Bicycles - Eng & Tech: 1
What you can do in this project:
- Learn the essentials for getting started safely
- Explore the basics toward lifelong cycling
- Learn safety, road rules, and planning for a pleasant ride
Grades: 3-4
08334, Bicycling for Fun

Bicycles - Eng & Tech: 2
What you can do in this project:
- Choose a bike that’s right for you
- Practice bike maintenance
- Learn road rules
Grades: 5-6
08335, Wheels in Motion

Bicycles - Eng & Tech: - LDR
08336, Bicycle Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/bicycling.cfm

Bicycles - Eng & Tech: - YTH LDR

Block Printing
What you can do in this project:
- Design and cut blocks from different materials
- Print designs on cloth and paper
- Create your own original designs
Grades: 5-12
4H156, Block Printing Member’s Guide

Canoeing
What you can do in this project:
- Learn how and where to canoe safely
- Select and care for equipment
- Explore aquatic environments
- Plan a canoe camping trip
- Canoe a river
Grades: 3-12
4H447, Canoeing
Webpage: 4h.uwex.edu/onlinpro/canoeing.cfm

Cats 1
What you can do in this project:
- Select a cat
- Identify cat breeds
- Name the parts of a cat
- Handle and groom a cat
- Care for its health
- Create a budget
Grades: 3-5
08148, Purr-fect Pals

Cats 2
What you can do in this project:
- Learn about cat senses and sounds
- Explore tricks to teach a cat
- Traveling with a cat
- Learn about feeding and emergency care
- Detect signs of illness and health issues
Grades: 6-8
08149, Climbing Up!

Cats 3
What you can do in this project:
- Explore veterinary procedures
- Learn reproduction and cat body systems
- Learn showmanship and cat behavior
- Explore community laws and animal welfare
Grades: 9-12
08150, Leaping Forward

Child Development 1
What you can do in this project:
- Find out how you grow and develop
- Learn the development of babies and toddlers
- Learn how to make toys safe for small children
Grades: 3-4
08075, On My Own

Child Development 2
What you can do in this project:
- Learn how to take care of yourself and others
- See what makes your family special
- Discover how to match toys to ages of children
- Develop family rules
- Check for safety hazards
Grades: 5-6
08076, Growing With Others
**Child Development 3**
What you can do in this project:
- Explore how to be an effective parent
- Gain experience as a teacher or coach
- Make babysitting and first aid kits
- Check out child development careers
Grades: 7-10
08077, Growing In Communities

**Child Development - LDR**
08078, Child Development Helper’s Guide
Webpage: 4h.uwex.edu/olinpro/childdev.cfm

**Child Development - YTH LDR**

**Citizenship**
What you can do in this project:
- Discover and discuss public issues
- Plan a project to change or improve your community
Grades: 4-12
08153, Citizenship Adventure Kit

**Citizenship - LDR**
08154, Citizenship Guide’s Handbook
Webpage: 4h.uwex.edu/olinpro/citizenship.cfm

**Citizenship - YTH LDR**

**Clothing 1**
What you can do in this project:
- Identify sewing tools and machine parts
- Thread a sewing machine, identify fabrics
- Select and purchase a pattern
- Sort clothes for laundry and remove stains
- Donate a sewing project
Grades: 3-5
08060, Under Construction
07198, Let’s Sew! Beginner’s Sewing Guide

**Clothing 2**
What you can do in this project:
- Identify types of fabric constructions
- Sew different buttonholes and seam finishes
- Use pressing tools and thread a serger
- Research different laundry products
Grades: 6-8
08061, Fashion Forward

**Clothing 3**
What you can do in this project:
- Use specialized sewing tools or equipment
- Combine patterns to create a design
- Create outdoor wear
- Design and embellish a garment
- Use a computer to print on fabric
Grades: 9-12
08062, Refine Design

**Clothing - Leader**
08063, Sewing Expressions Helper’s Guide
Webpage: 4h.uwex.edu/olinpro/clothing.cfm

**Cloverbuds 1**
What you can do in this project:
- Learn about your 4-H club or group
- Begin developing different skills (e.g., working with others)
- Explore your community
- Discover areas of project interest
Grade: Kindergarten

**Cloverbuds 2**
What you can do in this project:
- Learn about 4-H activities and events
- Learn about working together as a club or team
- Share with others what you have learned
Grade: 1

**Cloverbuds 3**
What you can do in this project:
- Begin learning about specific 4-H project areas
- Learn to complete projects as an individual
- Share with others what you have learned
Grade: 2

**Cloverbuds - LDR**
05560, Cloverbuds—4-H Discovery Program For 6-8 Year Olds from Minnesota = $10
Ohio State Series I = $18.75
Ohio State Series II = $28.00
Webpage: 4h.uwex.edu/olinpro/cloverbuds.cfm

**Cloverbuds - YTH LDR**

**Clowning**
What you can do in this project:
- Discover the history of clowning
- Develop your own character
- Design your own makeup, costume, and props
Grades: 3-12
4H265, Enter the Clowns

**Clowning - LDR**

**Clowning - YTH LDR**

**Communications 1**
What you can do in this project:
- Engage in non-verbal, verbal, and written activities
- Strengthen your personal communication skills
- Encrypt codes, write songs, and give directions
Grades: 3-5
08156, Picking Up The Pieces

**Communications 2**
What you can do in this project:
- Learn to become a confident communicator
- Present oral reasons, plan and present speeches
- Practice making good first impressions
Grades: 6-8
08157, Putting It Together

**Clothing - LDR**

**Clothing - YTH LDR**
Communications 3
What you can do in this project:
• Polish your communication skills
• Explore communication careers
• Write resumes’ and interview for a job
Grades: 9-12
08158, The Perfect Fit

Communications - LDR
08159, Communications Helper’s Guide
COMM04, Voices From The Past
COMM05, It’s All In The Family
COMM07, Communication Activities for 4-H Clubs
Webpage: 4h.uwex.edu/onlinpro/communications.cfm

Communications - YTH LDR

Computers 1
What you can do in this project:
• Learn about hardware, software, and components
• Explore how computers work
• Learn the various programs and their features
• Visit the project’s interactive website
Grades: 3-5
08346, Newbie Know How

Computers 2
What you can do in this project:
• Build and repair a computer
• Identify the components and how they work together
• Learn to upgrade and create connections
• Install operating systems
Grades: 6-8
08347, Inside the Box

Computers 3
What you can do in this project:
• Discover how to create and manage networks
• Make decisions about network management
• Explore security issues and troubleshooting
Grades: 9-12
08348, Peer to Peer

Computers - LDR
08349, Teens Teaching Tech
Webpage: 4h.uwex.edu/onlinpro/computer.cfm

Computers - YTH LDR

Consumer Savvy 1
What you can do in this project:
• Learn your shopping style
• Use the yellow pages to find goods and services
• Know the difference between wants and needs
• Write a savings and spending plan
• Start a savings account
Grades: 3-5
08030, The Consumer In Me

Consumer Savvy 2
What you can do in this project:
• Identify your personal spending values
• Understand advertising appeal and its affects
• See how peer pressure can influence your purchases
• Understand the risks of shopping on the Internet
Grades: 6-9
08031, Consumer Wise

Consumer Savvy - LDR
08033, Consumer Savvy Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/consumersavvy.cfm

Consumer Savvy - YTH LDR

Creative Writing
What you can do in this project:
• Explore language and creative expression
• Stimulate your creativity and self-expression
• Enrich your joy of book reading
Grades: 3-12
COMM01, Creative Wordworking
COMM03, Crazy About Books Reading Circle

Creative Writing - LDR

Creative Writing - YTH LDR

Crocheting
What you can do in this project:
• Learn to select and purchase yarn, thread, and equipment
• Explore crocheting and finishing techniques
• Understand care instructions for crocheted items
Grades: 3-12
CC1403, Crochet Made Easy

Crocheting - LDR
Webpage: 4h.uwex.edu/onlinpro/crocheting.cfm

Crocheting - YTH LDR

Crops 1: Corn
What you can do in this project:
• Learn about variety selection, germination, and planting
• Learn about nutrients, harvesting, and storage
• Explore uses and marketing strategies for corn
Grades: 3-12
4H355, 4-H Corn Project Manual
Webpage: 4h.uwex.edu/onlinpro/corn.cfm

Crops 2: Forage
What you can do in this project:
• Establish and manage a forage crop
• Scout fields for pests, diseases, and nutrition shortages
• Take an accurate forage sample
• Study growing techniques
Grades: 3-12
4H349, Pest Scouting Alfalfa
Webpage: 4h.uwex.edu/onlinpro/forage.cfm
**Crops 3: Small Grains**

What you can do in this project:
- Explore types of grasses, including wheat, oats, and barley
- Explore growing conditions and nutrients
- Practice integrated pest management
- Compare production costs and marketing

Grades: 3-12
4H356, 4-H Small Grains Manual
Webpage: 4h.uwex.edu/onlinpro/smallgrains.cfm

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**Crops - LDR**

**Crops - YTH LDR**

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**Dairy 1**

What you can do in this project:
- Identify dairy breeds
- Study and identify parts of the dairy cow
- Learn how to select quality dairy calves
- Fit and show a calf
- Identify stages of calving and care
- Assemble tools needed for packing a show box

Grades: 3-5
08161, Cowabunga! CANADA1, Showmanship... Leading To Win

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**Dairy 2**

What you can do in this project:
- Identify dairy breeds
- Study and identify parts of the dairy cow
- Learn how to select quality dairy calves
- Fit and show a calf
- Identify stages of calving and care
- Assemble tools needed for packing a show box

Grades: 6-8
08162, Mooving Ahead
4H502, The Rules Are Black & White
CANADA2, Preparing To Lead

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**Dairy 3**

What you can do in this project:
- Practice mastitis detections
- Learn to balance rations
- Practice pregnancy detection and delivery of a calf
- Learn body-conditioning scoring
- Promote dairy products
- Explore various dairy industry careers

Grades: 9-12
08163, Rising to the Top

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**Dairy - LDR**

08164, Dairy Cow Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/dairy.cfm

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**Dairy - YTH LDR**

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**Dairy Goats 1**

What you can do in this project:
- Gain hands-on experiences in the goat project
- Select, manage, fit, and show goats
- Learn responsible goat ownership

Grades: 3-5
08352, Getting Your Goat

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**Dairy Goats 2**

What you can do in this project:
- Learn to keep your goat healthy
- Feed your goat for maximum production
- Prepare for kidding
- Develop judging skills
- Learn how to milk a goat properly

Grades: 6-8
08353, Stepping Out

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**Dairy Goats 3**

What you can do in this project:
- Learn about genetics, diseases, and breeding
- Study body-condition scoring and linear appraisal
- Understand bio-security and prevention measures
- Gain leadership and explore career opportunities

Grades: 9-12
08354, Showing The Way

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**Dairy Goats - LDR**

08355, Dairy Goat Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/goats.cfm

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**Dairy Goats - YTH LDR**

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**Dogs 1**

What you can do in this project:
- Learn basic skills for dog care and training
- Discover different dog breeds
- Study and identify dog body parts
- Learn how to keep a dog healthy and groomed

Grades: 3-5
08166, Wiggles 'n' Wags
4H436, The Basics Of Training Your Dog

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**Dogs 2**

What you can do in this project:
- Explore dog health and nutrition
- Discover genetic problems and population control
- Learn showmanship and training techniques
- Learn about show-ring ethics

Grades: 6-8
08167, Canine Connection
4H439, Dog Obedience—Novice & Beyond

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**Dogs 3**

What you can do in this project:
- Investigate responsible breeding
- Care for geriatric dogs
- Train service dogs
- Explore careers related to dogs

Grades: 9-12
08168, Leading the Pack
4H437, A Guide to Showmanship

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**Dogs - LDR**

08169, Dog Helper’s Guide
4H458, 4-H Dog Judging Guidelines
Webpage: 4h/uwex.edu/onlinpro/dogs.cfm

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**Dogs - YTH LDR**
**Drawing & Painting**
What you can do in this project:
- Learn to draw with pencil, chalk, crayon, etc.
- Learn to blend and shade
- Make surface rubbings
- Paint with watercolor, oil, and acrylics
- Mix colors
- Mat and frame your artwork

Grades: 3-12
4H169, Drawing & Painting

**Drawing & Painting - LDR**
Webpage: 4h.uwex.edu/onlinpro/drawing.cfm

**Drawing & Painting - YTH LDR**

**Electricity 1**
What you can do in this project:
- Understand how to use electricity
- Identify electrical materials
- Wire a simple circuit
- Build a compass, flashlight, switch, and electric motor

Grades: 4-5
06848, Magic Of Electricity

**Electricity 2**
What you can do in this project:
- Work with electrical equipment
- Learn to read circuit diagrams
- Build a circuit and measure voltages
- Communicate in Morse code

Grades: 6-7
06849, Investigating Electricity

**Electricity 3**
What can I do in this project:
- Develop a basic electrical tool and supply kit
- Understand the symbols on wires and cables
- Locate your home wiring system

Grades: 8-9
06850, Wired For Power

**Electricity 4**
What you can do in this project:
- Identify electrical and electronic parts and devices
- Learn how to solder and prepare parts for assembly
- Assemble a circuit using a transistor

Grades: 10-12
06851, Entering Electronics

**Electricity - LDR**
06852, Electric Excitement Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/electricity.cfm

**Electricity - YTH LDR**

**Entomology 1**
What you can do in this project:
- Learn about insects, their behavior, and life history
- Discover the parts of an insect’s body
- Collect and compare insects
- Explore ways they communicate and move

Grades: 3-5
06853, Creepy Crawlies
08392, Project Butterfly Wings Youth Guide

**Entomology 2**
What you can do in this project:
- Learn how an insect protects itself
- Explore their habitats
- Create an insect display
- Build an insect extractor
- Investigate entomology careers

Grades: 6-8
06854, What’s Bugging You?
08392, Project Butterfly Wings Youth Guide

**Entomology 3**
What you can do in this project:
- Raise and study mealworms and mosquitoes
- Observe a colony of ants
- Make an insect identification key
- Record and collect aquatic insects
- Explore various gardens and habitats

Grades: 9-12
06855, Dragons, Houses, And Other Flies

**Entomology - LDR**
06856, Entomology Group Helper’s Guide
08393, Project Butterfly Wings Facilitator’s Guide
Webpage: 4h.uwex.edu/onlinpro/entomology.cfm

**Entomology - YTH LDR**

**Entrepreneurship**
What you can do in this project:
- Practice the skills needed to be an entrepreneur
- Explore businesses, products, marketing, and pricing
- Create a business plan and start your own business

Grades: 7-12
08035, Entrepreneurship: Be the E

**Entrepreneurship - LDR**
08036, Entrepreneurship Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/entrepreneur.cfm

**Entrepreneurship - YTH LDR**

**Exploring**
What you can do in this project:
- Learn about the 4-H program
- Sample a variety of projects offered in 4-H
- Learn about yourself and others

Grade: 3
08171, Exploring the Treasures of 4-H

**Exploring - LDR**
08172, Exploring the Treasurer of 4-H Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/exploring.cfm

**Exploring - YTH LDR**
Exploring Your Environment 1
What you can do in this project:
- Explore the four elements of life—sun, air, water, and soil
- Use your senses to explore the environment
- Connect to the environment through plants and animals
- Learn how the environment is affected by pollution
Grades: 5-7
08411, Earth’s Capacity

Exploring Your Environment 2
What you can do in this project:
- Explore wildlife habitats and tracking
- Learn about groundwater
- Research pollination and how it works
Grades: 8-10

Exploring Your Environment 3
What you can do in this project:
- Explore the world of biotechnology
- Learn the features of insect creatures
- Begin to understand biodiversity
- Learn what climate has to do with the way we live
Grades: 11-12
08410, Ecosystems Services

Exploring Your Environment - LDR
08412, Exploring Your Environment Facilitator’s Guide
CE-PUB-456, Education Connection
PUBLER001, Wisconsin Endangered & Threatened Species List
Webpage: 4h/uwex.edu/onlinpro/environment.cfm

Exploring Your Environment - YTH LDR
Fishing 1
What you can do in this project:
- Identify types of tackle
- Organize a tackle box
- Identify different types of bait and fish in your area
- Learn to take proper care of your catch
Grades: 3-5
07598, Take the Bait

Fishing 2
What you can do in this project:
- Find fishing information on the Internet
- Cast a spinning rod and reel
- Learn to tie fishing knots
- Select a recipe and cook a fish
- Collect and analyze aquatic life
Grades: 6-8
07599, Reel In the Fun

Fishing 3
What you can do in this project:
- Learn to reassemble a fishing reel
- Make artificial flies and lures
- Modify fishing equipment
- Investigate fishing careers
Grades: 9-12
07600, Cast Into the Future

Fishing - LDR
07601, Fishing Adventures - Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/fishing.cfm

Fishing - YTH LDR

Flowers 1
What you can do in this project:
- Identify flower parts and their functions
- Plant flowers and make flower arrangements
- Give a presentation on flowers
- Prepare a flower exhibit
Grades: 3-5
07162, Gardening: See Them Sprout
4H1301A, Forcing Spring Flowering Bulbs
A2935, Evaluating & Judging Flowers & Indoor Plants

Flowers 2
What you can do in this project:
- Learn about plant needs and soil testing
- Select and start new plants and grow transplants
- Examine plants for insects and diseases
- Judge a flower exhibit
Grades: 6-8
07163, Gardening: Let’s Get Growing

Flowers 3
What you can do in this project:
- Design a plant experiment
- Make a landscape plan
- Write instructions on how to force bulbs
- Compare different fertilizers: organic and chemical
Grades: 9-12
07164, Gardening: Take Your Pick

Flowers - LDR
07166, Gardening Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/flowers.cfm

Flowers - YTH LDR

Folk Arts
What you can do in this project:
- Explore traditional folk arts
- Learn more from your family and community
- Learn storytelling
- Decorate eggs and make baskets
Grades: 5-12

Folk Arts - LDR
NCR534, Folk Arts Leader’s Guide
Webpage: 4h.uwex.edu/onlinpro/folkarts.cfm

Folk Arts - YTH LDR
Food Preservation
What you can do in this project:
- Learn how to preserve food safely
- Use UW-Extension Safe Food Preservation Series
Grades: 6-12
B0430, Canning Fruits Safely
B1159, Canning Vegetables Safely
B2909, Making Jams, Jellies, & Fruit Preserves
B3278, Freezing Fruits & Vegetables
B2605, Tomatoes Tart & Tasty
B3345, Canning Meat, Wild Game, Poultry & Fish Safely
B3278, Freezing Fruits & Vegetables
B2267, Homemade Pickles & Relishes
B3570, Canning Salsa Safely

Foods Preservation - LDR
Webpage: 4h.uwex.edu/onlinpro/foodsnutrition.cfm

Foods Preservation - YTH LDR

Foods & Nutrition 1
What you can do in this project:
- Learn what is good to eat and how to fix simple foods
- Fix pizza, pancakes, fruit kabobs, and granola bars
- Explore why calcium is important to our bodies
- Understand TV commercial messages about food
Grades: 3-4
07144, Six Easy Bites

Foods & Nutrition 2
What you can do in this project:
- Make main dishes (e.g. meatballs, pasta and salads)
- Learn to make basic muffins and biscuits
- Learn to change recipes
- Reduce fat content in recipes
- Discover how to store fruit and vegetables
Grades: 5-6
07146, Tasty Tidbits

Foods & Nutrition 3
What you can do in this project:
- Learn to evaluate nutrition information and fad diets
- Develop your own exercise program
- Learn how to cook different cuts of meat
- Learn to divide large quantity packages for family use
- Make baked chicken, breadsticks, and stir-fried vegetables
Grades: 7-9
07148, You’re the Chef

Foods & Nutrition 4
What you can do in this project:
- Learn how to make jelly, bake fish, and marinate meat
- Conduct a food activity with young children
- Learn to divide recipes and make substitutions
- Plan menus on a budget
Grades: 10-12
07150, Foodworks

Foods & Nutrition - LDR
07730, Fantastic Curriculum Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/foodsnutrition.cfm

Foods & Nutrition - YTH LDR

Forestry 1
What you can do in this project:
- Identify forest types, forest products, and trees
- Age trees by counting rings
- Understand forest competition
- Find a state forest
- Describe how leaves affect rainfall
Grades: 3-5
08038, Follow The Path

Forestry 2
What you can do in this project:
- Learn how trees move water from soil to canopy
- Diagram a leaf
- Understand major forest changes and their impact
- Select urban tree planting sites
Grades: 6-8
08039, Reach For The Canopy

Forestry 3
What you can do in this project:
- Recognize different tree fruits
- Create a community forest map
- Identify forest biomes by continent
- Identify an unknown tree using a tree key
Grades: 9-12
08040, Explore The Deep Woods

Forestry - LDR
08041, Forestry Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/forestry.cfm

Forestry - YTH LDR

Fruits
What you can do in this project:
- Produce fruits from apples to berries
- Select the best fruit cultivar for your home garden
Grades: 3-12
A1597, Growing Strawberries In Wisconsin
A1610, Growing Raspberries In Wisconsin
A1656, Growing Grapes In Wisconsin
A1960, Growing Currants, Gooseberries, & Elderberries In Wisconsin
A2072, Growing Pears In Wisconsin

Fruits - LDR
Webpage: 4h.uwex.edu/onlinpro/fruits.cfm

Fruits - YTH LDR

Geospatial 1
What you can do in this project:
- Discover ways of thinking about geographic positions
- Learn about navigational tools: GIS, GPS, compasses
- Learn to measure distances
Grades: 4-12
CD8358, Exploring Spaces, Going Places CD (“Getting Out” section)
**Geospatial 2**
What you can do in this project:
- Learn how to collect data
- Combine data with geographical positions
- Make maps of home, neighborhood, and community
Grades: 4-12
*CD8358, Exploring Spaces, Going Places CD (“On the Trail” section)*

**Geospatial 3**
What you can do in this project:
- Use multi-layered maps to attempt to solve problems
- Find ways to reduce traffic congestion
- Pinpoint pollution sources
Grades: 4-12
*CD8358, Exploring Spaces, Going Places CD (“Reaching Your Destination” section)*

**Geospatial Leader**
Website: 4h.uwex.edu/onlinpro/geospatial.cfm

**Geospatial - YTH LDR**

**Health 1**
What you can do in this project:
- Practice first-aid skills to treat basic injuries
- Learn how to respond to someone who is choking
- Assemble a first aid kit
Grades: 3-5
*08174, First Aid in Action*

**Health 2**
What you can do in this project:
- Identify your personal talent areas in health care
- Explore hygiene, nutrition, and physical activities
- Share what you learn with others
Grades: 6-8
*08175, Staying Healthy*

**Health 3**
What you can do in this project:
- Design your own fitness plan
- Track your plan and review your progress
- Interview individuals in the health and fitness fields
Grades: 9-12
*08176, Keeping Fit*

**Health - LDR**
Website: 4h.uwex.edu/onlinpro/health.cfm

**Health - YTH LDR**

**Home Environment 2**
What you can do in this project:
- Become more involved with activities around the home
- Learn to handle home tasks and entertain guests
- Refinish wood furnishings and make other home items
Grades: 6-7
*4H426, Living With Others*

**Home Environment 3**
What you can do in this project:
- Learn the principles of home designs
- Learn scale, balance, and proportion in home design
- Use the principles of design to arrange your home
- Create storage centers and restore furniture
Grades: 8-9
*4H427, Where I Live*

**Home Environment 4**
What you can do in this project:
- Focus on application of design fundamentals
- Learn about purchasing furnishings for the home
- Restore or make a heritage item
Grades: 10-12
*4H465, In My Home*

**Home Environment - LDR**
Website: 4h.uwex.edu/onlinpro/homeenv.cfm

**Home Environment - YTH LDR**

**Home Grounds 1**
What you can do in this project:
- Learn about seeding a lawn
- Study proper lawn care and maintenance
- Explore fertilization and pest management techniques
Grades: 3-5
*A3067, Selecting, Planting & Caring For Shade Trees*
*A1730, Planting & Care Of Evergreens*

**Home Grounds 2**
What you can do in this project:
- Learn the importance of planting new trees and shrubs
- Explore variety selection and appropriate placement
- Learn basic maintenance: pruning and fertilization
Grades: 6-8
*A3067, Selecting, Planting & Caring For Shade Trees*
*A1730, Planting & Care Of Evergreens*

**Home Grounds 3**
What you can do in this project:
- Explore landscape planning
- Make a plan and put it on paper
- Select, place, and plant trees and shrubs
- Maintain your home grounds
Grades: 9-12
*G1923, Planning & Designing Your Home Landscape*

**Home Grounds - LDR**
Website: 4h.uwex.edu/onlinpro/homegrounds.cfm
Home Grounds - YTH LDR

Horse 1
What you can do in this project:
- Learn horse behavior and terms
- Study breeds and identify body parts
- Saddle, groom, and bridle your horse
- Practice horse safety and horse selection
Grades: 3-5
08053, Giddy Up & Go
CO200, Horses & Horsemanship
CO201, Horse Science
4H180, Pleasure Riding

Horse 2
What you can do in this project:
- Practice horsemanship and judging
- Understand horse selection and training
- Learn about tack, feeding, and diseases
- Practice showing a horse and trail riding
Grades: 6-8
08054, Head, Heart & Hooves

Horse 3
What you can do in this project:
- Explore horse breeding, genetics, and heredity
- Understand horse diseases and prevention
- Learn about fencing, pasturing, and housing
- Explore horse-related careers
Grades: 9-12
08055, Stable Relationships

Horse 4
What you can do in this project:
- Train a horse
- Practice a round-pen workout
- Learn English and Western style bridles
- Understand equitation and riding styles
Grades: 3-7
08056, Riding the Range

Horse 5
What you can do in this project:
- Learn to set goals
- Compare costs of show clothing
- Present your horse in showmanship classes
- Rate your showmanship skills
- Practice proper show ethics
Grades: 8-12
08057, Jumping to New Heights

Horse - LDR
08058, Horse Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/horses.cfm

Horse - YTH LDR

Horse Clothes - LDR
4H360, 4-H Clothes Horse Activity Guide
Webpage: 4h.uwex.edu/onlinpro/horses.cfm

Horse Clothes - YTH LDR

Horse - Draft
What you can do in this project:
- Explore different breeds and characteristics
- Learn conformation, selection, and nutrition
- Practice harnessing and hitching
Grades: 6-8
4H181, Draft Horse

Horse - Draft - LDR

Horse - Draft - YTH LDR

Horseless Horse 1
What you can do in this project:
- You do not need a horse in this project
- Explore horse behavior, terms, and breeds
- Identify body parts
- Learn grooming, saddling, and bridling
- Learn about safety and equipment
Grades: 3-5
08053, Giddy Up & Go
4H266, Horses Are Fun-Horseless Horse

Horseless Horse 2
What you can do in this project:
- Learn about horsemanship
- Explore judging and oral reasons
- Learn selection, training, and showing
- Practice trail riding skills
Grades: 6-8
08054, Head, Heart, & Hooves

Horseless Horse 3
What you can do in this project:
- Explore horse breeding, genetics, and heredity
- Understand horse diseases and prevention
- Learn about fencing, pasturing, and housing
- Explore horse-related careers
Grades: 9-12
08055, Stable Relationships

Horseless Horse - LDR
08058, Horse Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/horses.cfm

Horseless Horse - YTH LDR

House Plants 1
What you can do in this project:
- Identify plant parts and their functions
- Grow house plants, and start a plant from a cutting
- Make a dish garden
- Prepare house plants for exhibit
Grades: 3-5
07162, Gardening: See Them Sprout
4H328, Propagating & Growing House Plants
House Plants 2
What you can do in this project:
• Learn about plant seeds and soil
• Select and start new plants and grow transplants
• Plant a terrarium
• Examine plants for insects and diseases
Grades: 6-8
07163, Gardening: Let’s Get Growing

House Plants 3
What you can do in this project:
• Take a tour of a horticulture business
• Design a plant experiment
• Teach others how to grow house plants
• Compare different fertilizers: organic and chemical
Grades: 9-12
07164, Gardening: Take Your Pick

Knitting
What you can do in this project:
• Discover what to consider when buying yarn or tools
• Learn knitting and finishing techniques
• Correct knitting errors
• Learn how to care for your knitted items
Grades: 3-12
CC1402, Knitting Made Easy

Knitting - LDR
Webpage: 4h.uwex.edu/onlinpro/knitting.cfm

Knitting - YTH LDR

Latino Cultural Arts
What you can do in this project:
• Understand the Latino culture by exploring traditional art
• Make Latino instruments, jewelry, weavings, murals, etc.
• Celebrate Latino holidays, sample foods, and tell stories
Grades: 3-8

International - LDR
4H812, And My World
Webpage: 4h.uwex.edu/onlinpro/international.cfm

International - YTH LDR

Intergenerational Programs
What you can do in this project:
• Learn to understand older people better
• Let them share their stories and experiences
• Explore what happens as you grow older
Grades: 5-12
NCR591, Walk In My Shoes Member’s Guide

Intergenerational Programs - LDR
NCR548, Walk In My Shoes Leader’s Guide
Webpage: 4h.uwex.edu/onlinpro/intergenerational.cfm

Intergenerational - YTH LDR
Leathercraft
What you can do in this project:
- Learn about the characteristics and uses of leather
- Use tools and equipment
- Make patterns and original designs
- Explore various leathercraft techniques
Grades: 3-12
4H149, Adventures In Leathercraft Member’s Guide

Leathercraft - LDR
CIR006, Adventures In Leathercraft Leader’s Guide
Website: 4h.uwex.edu/onlinpro/leathercraft.cfm

Leathercraft - YTH LDR

Llamas/Alpacas 1
What you can do in this project:
- Identify the four species of South American camelids and describe their main differences
- Identify ten body parts of the llama or alpaca
- Define the following terms: cria, dam, gelding, desensitizing, topline, ruminant, and stoic
Grades: 3-5
4H132 - Llama & Alpaca Project/Record Book (Ohio)

Llamas/Alpacas 2
What you can do in this project:
- Using a picture or actual animal, describe an ideal llama or alpaca using judging terms
- Help a new member learn how to correctly identify 15 external parts of a llama or alpaca
- Describe how you would feed a newborn cria
Grades: 6-8
4H132, Llama & Alpaca Project/Record Book (Ohio)

Llamas/Alpacas 3
What you can do in this project:
- Help a new 4-H member select an animal for a llama or alpaca project
- Name four procedures for administering medication to and proper injection sites on your animal
- Visit three llama or alpaca farms to discuss management practices
Grades: 9-13
4H132, Llama & Alpaca Project/Record Book (Ohio)

Llamas/Alpacas - LDR
4H132R - Llama & Alpaca Resource Handbook (Ohio State University)

Llamas/Alpacas - YTH LDR

Meat Goats 1
What you can do in this project:
- Identify meat goat breeds and parts
- Learn to select a good animal
- Feed and care for a meat goat
- Develop a budget for a meat goat project
Grades: 3-4
07909, Just Browsing

Meat Goats 2
What you can do in this project:
- Recognize meat goat diseases
- Select a veterinarian and purchase breeding stock
- Understand reproduction cycle and keep records
- Fit and show meat goats
Grades: 5-8
07910, Get Growing With Meat Goats

Meat Goats 3
What you can do in this project:
- Learn to control diseases
- Understand bio-security and quality assurance
- Formulate rations
- Evaluate goat pastures
Grades: 9-12
07911, Meating the Future

Meat Goats - LDR
07912, Meat Goat Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/goats.cfm

Meat Goats - YTH LDR

Metal Enameling
What you can do in this project:
- Try enameling earrings, pins, and other jewelry
- Learn to attach fasteners
- Create original designs and patterns
Grades: 5-12
4H158, Metal Enameling Member’s Guide

Metal Enameling - LDR
CIR009, Metal Enameling Leader’s Guide
Webpage: 4h.uwex.edu/onlinpro/metalenameling.cfm

Metal Enameling - YTH LDR

Music
What you can do in this project:
- Gain a greater appreciation for music
- Explore different ways to participate
- Listen, perform, and compose various types of music
- Teach others and make instruments
Grades: 3-12
4H620MP, Youth & 4-H Music Project Guide

Music - LDR
4-H351, Sing Along Songbook
Webpage: 4h.uwex.edu/onlinpro/Music.cfm

Music - YTH LDR

Muzzleloading
What you can do in this project:
- Explore muzzleloading history
- Study different muzzleloading guns and accessories
- Learn how to clean a muzzleloader
- Learn safety issues
Ages: Only 12 years old and above

Muzzleloading - LDR
Each Muzzleloading Leader should attend a Certification Training to receive the Muzzleloading Guide. For more information, see webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm
**Muzzleloading - YTH LDR**

**Personal Finance 1**
What you can do in this project:
- Learn money management skills
- Learn how to live on a budget
Grades: 6-8
07710, Money FUNdamentals

**Personal Finance 2**
What you can do in this project:
- Learn about wants and needs, values, and goal setting
- Explore ways to use and save money
- Learn the benefits and drawbacks of credit
- Survey and select financial services
Grades: 9-12
07711, Money Moves

**Personal Finance - LDR**
07712, Financial Champions Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/finance.cfm

**Personal Finance - YTH LDR**

**Pets 1**
What you can do in this project:
- Explore your favorite pet or select a pet
- Identify pet body parts
- Learn to provide a safe environment
- Design a space for your pet
Grades: 3-5
06359, Pet Pals

**Pets 2**
What you can do in this project:
- Explore animal digestion and feeding
- Shop for pet supplies
- Determine the animal’s sex and proper health
- Study pet behavior and communication
Grades: 6-8
06360, Scurrying Ahead

**Pets 3**
What you can do in this project:
- Explore pet products
- Teach others about pets
- Understand how genetics work
- Explore animal welfare issues
Grades: 9-12
06361, Scaling The Heights

**Pets - LDR**
06362, Pet Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/pets.cfm

**Pets - YTH LDR**

**Photography 1**
- 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
Grades: 3-5
PC1, Focus on Photography

**Photography 2**
What you can do in this project:
- Learn about camera adjustments
- Learn about film speed, shutter speed, and aperture
- Take silhouettes, candids, action shots, and others
Grades: 6-8
PC2, Controlling the Image

**Photography 3**
What you can do in this project:
- Learn about wide-angle and telephoto lenses
- Explore the use of light meters and studio lighting
- Experiment with special effect photos
- Take still life photos and portraits
Grades: 9-12
PC3, Mastering Photography

**Photography - LDR**
Webpage: 4h.uwex.edu/onlinpro/photography.cfm

**Photography - YTH LDR**

**Pistol (smallbore .22)**
What you can do in this project:
- Explore the history of different types of pistols
- Learn basic safety rules and range commands
- Develop marksmanship and shooting procedures
Ages: Only 12 years old and above

**Pistol - LDR (smallbore .22)**
Each Pistol Leader should attend a Certification Training to receive the Pistol Guide. For more information, see Webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

**Pistol - YTH LDR**

**Plant Crafts**
What you can do in this project:
- Learn to harvest plants
- Use different drying techniques
- Learn how to use plant materials
- Learn how to make dried arrangements, corsages, etc.
Grades: 3-12
4H330, Plant Crafts
4H453, Plant Crafts Supplement

**Plant Crafts - LDR**
Webpage: 4h.uwex.edu/onlinpro/plantcrafts.cfm

**Plant Crafts - YTH LDR**

**Posters**
Grades: 3-12
4H23, Say It With Posters

**Posters - LDR**

**Posters - YTH LDR**
Poultry 1
What you can do in this project:
- Identify poultry breeds
- Learn parts of the bird
- Learn parts and functions of the egg
- Learn how to select and handle poultry
- Fit and show poultry

Grades: 3-5
06363, Scratching the Surface
CIR878, From Egg to Chick

Poultry 2
What you can do in this project:
- Observe a healthy flock
- Select and judge broilers
- Discover how an egg is formed
- Prevent poultry diseases
- Discover how chicks imprint

Grades: 6-8
06364, Testing Your Wings
4H281, Poultry for Fun & Food
A2880, Chicken Breeds & Varieties

Poultry 3
What you can do in this project:
- Organize a judging clinic
- Manage a laying flock
- Discover qualities of eggs
- Handle poultry products safely
- Process a chicken

Grades: 9-12
06365, Flocking Together

Bantams
What you can do in this project:
- Discover bantam breeds and breed characteristics
- Learn how to get started raising bantams
- Select and mate bantams
- Incubate and rear their young
- Learn to feed and house birds
- Fit and show bantams

Grades: 3-12
NCR209, Bantams

Pigeons
What you can do in this project:
- Learn about buying, banding, and feeding
- Understand about proper housing and behavior
- Learn about grooming and exhibiting

Grades: 3-12
4H135, Pigeons

Turkeys
What you can do in this project:
- Learn about buying poultry
- Prepare a brooding area
- Raise range turkeys
- Feed and water turkeys
- Identify diseases

Grades: 3-12
NCR060, Raising A Small Turkey Flock

Waterfowl
What you can do in this project:
- Learn about waterfowl breeds and parts
- Handle waterfowl properly
- Select and prepare waterfowl for market
- Incubate and exhibit waterfowl

Grades: 3-12
A3311, Raising Waterfowl

Poultry - LDR
06366, Poultry Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/poultry.cfm

Poultry - YTH LDR
Webpage: 4h.uwex.edu/onlinpro/poultry.cfm

Rabbits 1
What you can do in this project:
- Learn about selecting and handling rabbits
- Identify rabbit breeds and body parts
- Explore health issues and feeding

Grades: 3-5
08080, What’s Happening?

Rabbits 2
What you can do in this project:
- Learn to select show rabbits
- Give oral reasons and judge rabbits
- Learn to tattoo
- Detect diseases
- Keep records of animals

Grades: 6-8
08081, Making Tracks

Rabbits 3
What you can do in this project:
- Learn about breeding and genetics
- Design a rabbitry
- Market rabbits
- Learn about disease prevention and rabbit registration

Grades: 9-12
08082, All Ears

Rabbits - LDR
08083, Rabbit Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/rabbits.cfm

Rabbits - YTH LDR
Webpage: 4h.uwex.edu/onlinpro/rabbits.cfm

Rabbit Hopping

Rabbit Hopping - LDR

Rabbit Hopping - YTH LDR

Recycling
What you can do in this project:
- Learn about the impact of solid waste on the environment
- Learn to reduce, reuse, and recycle

Grades: 3-12
4H362, Recycling for Reuse

Recycling - LDR
Webpage: 4h.uwex.edu/onlinpro/recycling.cfm

Recycling - YTH LDR
Recycling - YTH LDR

Rifle
What you can do in this project:
- Explore rifle history and the different models
- Learn to sight your rifle and score targets
- Learn various shooting positions used in competitions
- Learn safe handling procedures and range rules

Ages: Only 12 years old and above

Rifle - LDR
Each Rifle Leader should attend a Certification Training to receive the Rifle Guide. For more information, see webpage: 4h.uwex.edu/onlinpro/shooting/index.cfm

Rifle - YTH LDR

Robotics 1
What you can do in this project:
- Explore and learn about robots' arms
- Learn about robot form, function and design
- Build robots from everyday items

Grades: 3-5
08431, Junk Drawer Robotics Track Level 1: Give Robots A Hand
08435, 4-H Robotics Youth Notebook

Robotics 2
What you can do in this project:
- Explore and learn about robots that move with legs, wheels, and underwater
- Learn about basic electrical power and motors, and gear system
- Build robots from everyday items

Grades: 6-8
08432, Junk Drawer Robotics Track Level 2: Robots on the Move
08435, 4-H Robotics Youth Notebook

Robotics 3
What you can do in this project:
- Explore and learn about robots sensors and analog and digital systems
- Build basic circuits
- Study basic elements of programming and instruction

Grades: 9-12
08433, Junk Drawer Robotics Track Level 3: Mechatronics
08435, 4-H Robotics Youth Notebook

Robotics - LDR
08434, Robotics Platforms Track DVD
Webpage: 4h.uwex.edu/onlinpro/robotics.cfm

Robotics - YTH LDR

Scale Models
What you can do in this project:
- Assemble and create scale models of trains, cars, etc.
- Learn how to obtain materials you need in construction
- Learn to display your model and judge it

Grades: 3-12
4H424, Guideline for Building Scale Models

Scale Models - LDR
Webpage: 4h.uwex.edu/onlinpro/scalemodels.cfm

Scale Models - YTH LDR

Self-Determined
What you can do in this project:
- Create your own project or expand on an old one
- Select a project, develop a plan, identify resources
- Carry out and evaluate your plan

Grades: 3-13
4H272, Designing Your Own Project

Self-Determined - LDR
Webpage: 4h.uwex.edu/onlinpro/selfdetermined.cfm

Self-Determined - YTH LDR

Service Learning 1
What you can do in this project:
- Learn to give back to your community
- Reflect on your experiences
- Identify community needs
- Plan a service project and execute the idea

Grades: 5-8
08182, Agents of Change + CD

Service Learning 2
What you can do in this project:
- Plan and implement your own service project
- Share with others your project plan and outcome
- Conduct an evaluation of your project

Grades: 9-12
08183, Raise Your Voice + CD

Service Learning - LDR
08184, Service Learning Helper's Guide
Webpage: 4h.uwex.edu/onlinpro/ServiceLearning.cfm

Service Learning - YTH LDR

Sheep 1
What you can do in this project:
- Identify sheep breeds and body parts
- Observe sheep behavior
- Identify uses of wool and other by-products
- Fit and show sheep

Grades: 3-5
06367, Lambs, Rams, & You
4H421, Judging Breeding & Market Sheep

Sheep 2
What you can do in this project:
- Learn to identify sheep parasites
- Promote meat safety
- Judge wool
- Diagnose sheep diseases
- Use medications safely
- Explore careers

Grades: 6-8
06368, Shear Delight
Sheep 3
What you can do in this project:
- Set sheep production goals
- Plan sheep related activities
- Market sheep products and teach others
- Plan a judging contest
- Explore careers

Grades: 9-12

06369, Leading The Flock

Sheep - LDR
06370, Sheep Helper’s Guide
Webpage: 4h.uwex.edu/olinpro/sheep.cfm

Sheep - YTH LDR

Shotgun
What you can do in this project:
- Learn the basic safety issues with shotgun handling
- Learn shooting fundamentals
- Learn the proper way to carry a shotgun

Ages: Only 12 year olds and above

Shotgun - LDR
Each Shotgun Leader should attend a Certification Training to receive the Shotgun Guide. For more information, see webpage: 4h.uwex.edu/olinpro/shooting/index.cfm

Shotgun - YTH LDR

Small Engines 1
What you can do in this project:
- Learn the basics of small engines
- Explore external engine parts and tools
- Identify the uses of small engines and safety issues

Grades: 3-5

08186, Crank It Up!

Small Engines 2
What you can do in this project:
- Explore the internal parts of engines
- Learn engine sizes and safety issues
- Explore different jobs related to small engines

Grades: 6-8

08187, Warm It Up!

Small Engines 3
What you can do in this project:
- Tear down and rebuild an engine
- Learn to use diagnostic tools
- Research rules and regulations in using small engines

Grades: 9-12

08188, Tune It Up!

Small Engines - LDR
08189, Small Engines Helper’s Guide
Webpage: 4h.uwex.edu/olinpro/engine.cfm

Small Engines - YTH LDR

Speaking
What you can do in this project:
- Plan, practice and present an effective speech
- Gain confidence in public speaking
- Plan, practice, and present an effective demonstration

Grades: 3-12

COMM02, 4-H Public Speaker’s Handbook
COMM06, 4-H Public Speaking Opportunities

Speaking - LDR

Speaking - YTH LDR

STEM - Exploring
Webpage: http://4h.uwex.edu/set/index.cfm

STEM - YTH LDR

Swine 1
What you can do in this project:
- Identify swine breeds, feeds, and animal parts
- Practice judging market hogs
- Identify pork meat cuts
- Practice fitting and showing a hog

Grades: 3-5

08065, The Incredible Pig
4H412, Judging Breeding & Market Swine

Swine 2
What you can do in this project:
- Make a swine health care plan
- Identify diseases
- Assemble tack and pack a show box
- Plan and organize a facility expansion
- Complete a plan for a new pork product

Grades: 6-8

08066, Putting The Oink In Pig

Swine 3
What you can do in this project:
- Learn to make breeding and culling decisions
- Judge a class of breeding gilts
- Design a preventative herd health plan
- Manage a feeding program

Grades: 9-12

08067, Going Whole Hog

Swine - LDR
08068, Swine Helper’s Guide
Webpage: 4h.uwex.edu/olinpro/swine.cfm

Swine - YTH LDR

Theatre Arts 1
What you can do in this project:
- Study acting, sound, movement, voice, and speech
- Learn different ways to play a scene
- Try pantomime, clowning, and improvisation

Grades: 3-5

08070, Play the Role
Theatre Arts 2
What you can do in this project:
- Become a puppeteer
- Investigate the history of puppets
- Explore types of puppets and puppet characters
- Use puppets in community service work
- Plan and present a puppet show
Grades: 6-8
08071, Become a Puppeteer!

Theatre Arts 3
What you can do in this project:
- Study costumes, makeup, stage sets, props, and sound
- Learn stage management
- Create sounds and disguises
- Make up your own character and bring it to life
Grades: 9-12
08072, Set the Stage

Theatre Arts - LDR
08073, Theatre Arts Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/theatre.cfm

Theatre Arts - YTH LDR

Tractors - YTH LDR

Vegetables 1
What you can do in this project:
- Identify plant parts and their functions
- Explore germination and start a plant from a cutting
- Grow vegetables in containers
- Plan an outdoor garden
- Prepare a vegetable exhibit for show
Grades: 3-5
07162, Gardening: See Them Sprout
4H395, Organically Grown—Handbook
4H409, Nature’s Herbs
A3306, Exhibiting & Judging Vegetables

Vegetables 2
What you can do in this project:
- Learn about plant needs and soil testing
- Start new plants and grow transplants
- Build a compost pile and use mulches
Grades: 6-8
07163, Gardening: Let’s Get Growing

Vegetables 3
What you can do in this project:
- Grow plants in a cold frame
- Make a site analysis and landscape plan
- Compare organic and chemical fertilizers
- Research various insect control methods
Grades: 9-12
07164, Gardening: Take Your Pick

Vegetables - LDR
07166, Gardening Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/vegetables.cfm

Vegetables - YTH LDR

Veterinary Science 1
What you can do in this project:
- Learn different breeds of animals
- Interpret animal behavior
- Identify feed nutrients
- Describe animal life stages and systems
Grades: 3-5
08048, From Airedales To Zebras
4H334, Adventure Notebook
4H131, The Normal Animal

Veterinary Science 2
What you can do in this project:
- Create health records for your animal
- Conduct food safety experiments
- Discover importance of immunity and bio-security
- Consider ethics and animal welfare
Grades: 6-8
08049, All Systems Go
4H048, Animal Disease

Veterinary Science 3
What you can do in this project:
- Investigate the importance of genetics
- Understand diseases that spread from animals to humans
Learn about diversity of veterinary careers
Grades: 9-12
08050, On The Cutting Edge
4H133, Animal Health

VETERINARY SCIENCE - LDR
08051, Veterinary Science Helper’s Guide
4H192, Veterinary Science
4H323, The Normal Animal - Leader’s Guide
Webpage: 4h.uwex.edu/onlinpro/vetscience.cfm

VETERINARY SCIENCE - YTH LDR

Videography
What you can do in this project:
• Learn storytelling, editing, and lighting
• Experiment with camera handling and editing
• Learn to plan a project with the use of sound and titles
• Show and review your production
Grades: 6-12
IS401, Action! Making Videos & Movies

Water
What you can do in this project:
• Identify water conservation and pollution issues
• Explore issues in your home, community, or school
• Select an issue to focus on
• Develop and implement a plan
Grades: 3-12
4H855, Give Water A Hand—Action Guide

Water - LDR
4H850, Give Water A Hand Leader’s Guide
Webpage: 4h.uwex.edu/onlinpro/water.cfm

Water - YTH LDR

Wildflowers
What you can do in this project:
• Learn about wildflowers in your neighborhood
• Learn to identify wildflowers and how to collect them
• Discover how humans affect wildflowers
Grades: 3-12
4H392, Wildflowers
Webpage: 4h.uwex.edu/onlinpro/wildflowers.cfm

Wildflowers - LDR

Wildflowers - YTH LDR

Wind Energy
08383, The Power Of The Wind Youth Guide

Wind Energy - LDR
08384, The Power Of The Wind Facilitator Guide
Webpage: http://www.uwex.edu/ces/4h/set/index.cfm

Wind Energy - YTH LDR

Winter Travel
What you can do in this project:
• Discover winter travel on cross-country skis and snowshoes
• Select and take care of equipment and clothing
Grades: 9-12
08191, Get in the Act! Take 1 (with CD)

Woodworking 1
What you can do in this project:
• Learn safety practices when working with wood and tools
• Use various hand tools (e.g. hammer and saw)
• Identify types of nails and wood
• Sand and paint a piece of wood
Grades: 3-4
06875, Measuring Up

Woodworking 2
What you can do in this project:
• Identify functions of various tools
• Practice safety techniques
• Select a project to build (e.g. birdhouse or footstool)
• Use a screwdriver and combination square
Grades: 4-6
06876, Making the Cut

Woodworking 3
What you can do in this project:
• Compare different types of hinges
• Enlarge scale-drawn woodworking plans
• Use a hand plane and build a laminated cutting board
• Compare different grades of plywood
Grades: 6-8
06877, Nailing it Together

Woodworking 4
What you can do in this project:
• Use a table saw, router, powered circular saw, and sander
• Learn to make more difficult joints
• Evaluate exotic and veneer woods
• Create inlays and overlays
• Test various adhesives
Grades: 9-12
06878, Finishing Up

Woodworking - LDR
06879, Woodworking Helper’s Guide
Webpage: 4h.uwex.edu/onlinpro/wood.cfm

Woodworking - YTH LDR

Workforce Readiness
What you can do in this project:
• Explore what it takes to get your first job
• Discover how to assess job possibilities in the community
• Create job scenarios
• Recognize your learning styles and personal qualities
Grades: 6-9
08191, Get in the Act! Take 1 (with CD)
**Youth Leadership 1**
What you can do in this project:
- Assess your leadership skills
- Practice effective communication skills
- Set goals and resolve conflict
- Plan a group event
Grades: 3-5
07905, My Leadership Workbook For Grades 3-5

**Youth Leadership 2**
What you can do in this project:
- Explore how leaders are different
- Develop a multi-media presentation
- Set and achieve team goals
- Practice teamwork
Grades: 6-8
07906, My Leadership Journal For Grades 6-8

**Youth Leadership 3**
What you can do in this project:
- Build trust in a group
- Assess your own strengths and weaknesses
- Write vision and mission statements
- Contribute to a group project
Grades: 9-12
07907, My Leadership Portfolio For Grades 9-12

**Youth Leadership - LDR**
07903, Leadership Mentor Guide For Grades K-5
07904, Leadership Mentor Guide For Grades 6-12
Webpage: 4h.uwex.edu/onlinpro/leadership.cfm

**Youth Leadership - YTH LDR**
Isn’t It Time For You to Be a 4-H Leader?

Isn’t it time to be a 4-H leader? All you need is the desire to help youth. Previous 4-H experience is not necessary.

Many volunteers help by leading 4-H projects for a local year-round club or short-term 4-H group. But there are many other ways for you to get involved.

For example, you could lead a workshop, a one-time program where you share your knowledge with people. 4-H groups need chaperones for trips. If you like to travel or guide tours, 4-H can match you with a group that needs help. At the county level, you can help plan and conduct events, recruit other volunteers, develop and evaluate 4-H programs, or promote 4-H in general. The possibilities are endless.

When you volunteer to be a 4-H leader, there are many resources to get you started and keep you going, including leader manuals and training sessions.

If you are a parent, 4-H is a great opportunity to become involved in your child’s development as a 4-H leader. Many 4-H projects and activities are natural family activities.

UWEX-Manitowoc County
4-H Youth Development Address

UWEX-Manitowoc County 4-H Youth Development
4319 Expo Drive
P.O. Box 935
Manitowoc WI 54220-0935
Website: http://manitowoc.uwex.edu/
Facebook: www.facebook.com/ManitowocCounty4-H

Kevin A. Palmer, 4-H Youth Development Educator
Phone: (920) 683-4168
E-Mail: kevinpalmer@co.manitowoc.wi.us

Ruth Aebischer, Program Assistant
Phone: (920) 683-4168
E-Mail: ruthaebischer@co.manitowoc.wi.us

Fax:
(920) 683-5062
4-H Teens!

Join the Manitowoc County 4-H Ambassadors

Who are we? The Manitowoc County 4-H Ambassadors are teens from different 4-H clubs across the county who meet to have fun, make new friends, and to work together on a variety of projects across the county.

Who can join? Any 4-H youth in grades 7-12 who is interested in becoming a member is invited to come to one of our events or meetings.

When do we meet? We meet monthly on the third Sunday of each month at 6:00 p.m. at the Manitowoc County Office Complex, 4319 Expo Drive. If you plan to attend, please call ahead to confirm meeting date and time.

What do we do? The Ambassadors will focus on fun and fellowship, promotional events, and community service projects. 4-H Ambassadors can choose the activities they want to be involved in. All of our upcoming events will be published in the "4-H Express".

What should you do? Join the Ambassadors! Have fun, help your community, and help promote the best youth organization on the planet!
ENROLLMENT SCHEDULE

- **September** - 4HOnline enrollment opens up
- **October 31** - Deadline for re-enrollments to be registered using 4HOnline
- **December** - Club Meeting
  - Hand out project literature.
- **May 1** - Deadline for new enrollments to be entered using 4HOnline and to change 4-H projects.

MEMBERSHIP INFORMATION AND ENROLLMENT PROCEDURES

- All member and leader re-enrolling must be done NO LATER THAN October 31st. Members who re-enroll after that date, will NOT BE ALLOWED to enter their projects in the upcoming Manitowoc County Fair under 4-H. New members must be enrolled by May 1st in order to enter in that year’s fair also. Project changes must be completed by May 1st in order to be recognized for the County Fair entry process. All processes are done using 4HOnline.

- Membership in 4-H is open to every Manitowoc County youth from Kindergarten (5 years old) to one year after graduation from high school.

- To enroll in the Manitowoc County 4-H Program, all youth and adults must register using 4HOnline. Enrollment Form.

- As a way to promote 4-H membership, the Manitowoc County 4-H Leaders Association has provided an incentive for currently enrolled 4-H club members that would encourage them to recruit a new member to join their 4-H club during the 2014-2015 4-H year. The incentive is a one-day pass which will enable members to ride the midway rides at the county fair. This does include new enrollees that are brothers and sisters of 4-H members already enrolled. Contact your Main Leader for additional information or the UWEX/4-H Office.

- New and re-enrolling members can join 4-H at anytime throughout the year. If they enroll after the due dates, they can take part in any and all other aspects of the 4-H program except entering in the County Fair.

- No person shall on the grounds of race, color, national origin, sex, sexual orientation, disability, religion, or political affiliation be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any aspect of the Manitowoc County 4-H organization, including, but not limited to, all programs and activities.

ENROLLMENT GUIDELINES

- Kindergarten, 1st, and 2nd graders enroll in CLOVERBUDS.
- 3rd graders may enroll in one to two projects.
- Those enrolling that are 4th grade and higher as a new member, may enroll in two projects if they wish.
- Members may add one project for each year of membership.
- **Recommend that no 4-H member enroll in more than six projects.**

ENROLLMENT FEES

- $18.00 Fee for regular 4-H members
- $19.00 Fee for horse 4-H members