2021-2022 Sauk County 4-H Project Selection Guide – with Project Curriculum

Welcome to the 4-H Program! The 4-H Program offers nearly 100 different project areas for youth to discover and explore. 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 explore and learn more about such as: aerospace, computers, rabbits, sewing, bicycle, vegetables, small engines, and much more.

Project vs. Exhibit…Many people in 4-H tend to use the words **project** and **exhibit** interchangeably. However, they are two VERY different things.

- A 4-H **project** is a broad area for you to explore new opportunities, discover new skills, and learn about during the whole 4-H year. If you are interested in learning more about something, there is probably a 4-H project to help you!
- An **exhibit** is an item that you have made during your 4-H project learning which showcases the skills and knowledge you have learned. An exhibit can be shown at the fair where you will receive feedback from a judge to encourage more growth.

When you are enrolling in 4-H you are enrolling in a project, NOT selecting your fair exhibit.

How to Pick 4-H Projects

There are many different project areas for you to select and sometimes it can feel overwhelming. We suggest you make a list of the things you like to do or want to learn more about. Talk with your parents, guardians, another caring adult or your friends. They may recognize some special talents or interest areas. Compare your list with the projects described in this guide. If you find something that is on your list then pick (or enroll) in that project.

Understanding 4-H Project Areas Levels

In this guide you will see PROJECT AREAS (in ALL CAPS in this guide) with levels listed. **Levels listed under PROJECT AREAS are based on the curriculum project books used to encourage and support learning in a project area.** The 4-H program is a skill building program. The different levels help you understand what you will learn as you explore, engage, and complete activities in the project curriculum books. Skills learned in Level 1 are essential building blocks to understand Level 2 skills. **When you enroll in 4-H Online, to join 4-H, you will NOT enroll in Youth Leadership Level 2, you will enroll in YOUTH LEADERSHIP**.

Project curriculum books or project book, guide your path through project learning. You will spend 2-3 years completing activities in a project book, until you master the knowledge and skills in that level. This mastery is typically reflected in completion of a majority of the activities in a project book. You will then move on to the next level project book for the next 2-3 years.

With each level you will see suggested grades listed. Project books were developed for those grades. However, the grades are not exclusionary. For example, if you are in 6th grade and enrolling in a project for the first time, you will still start with the first level project book. You may get through the book in less than 2-3 years, but there is information that is important for you to know before you move onto the next level of project book.

Where to Get the Project Curriculum Books

Here in Sauk County each 4-H member is eligible to receive one project curriculum book per year thanks to the financial support of the Sauk County Board of Supervisors.

Each 4-H member is asked to rank their top 3 project book requests and submit them at: https://forms.gle/LiDZ2dj6dLHoZ8KZ8 Every effort will be made to have youth receive their top priority project book. However, orders will be filled on a first submitted/first served basis. Curriculum books will be mailed to individuals once a month around the middle of the month.

Below are some things to consider as you rank your project curriculum requests. We want you to get the most bang for your buck, as they say.

- Please use this guide when selecting and ranking your project book requests. It is a good resource for many times of the 4-H year.
- Over 30 of the curriculum resources listed in the project selection guide are PDF documents. PDF's are available to anyone anytime. Since these items are PDF's we do NOT suggest youth request these from the Extension Office. We suggest you access these and print them yourselves.
- You will spend 2-3 years working through a project book until you master the knowledge and skills in that level. This mastery is reflected in completion of a majority of the activities in a project book. You will then move onto the next level project book for the next 2-3 years.

Additional Project Curriculum Books and Resources

If you as a family are interested in additional project curriculum, please contact the Extension Office at 608-355-3250. We have a large inventory of materials and would rather see it in your hands than in our file cabinets. Project curriculum book costs between $6.00 -$30.00.

If we do not have the materials in the Extension Office, they can be ordered online at: www.4-Hmall.org unless there is another ordering source listed by the materials. Please note that these materials are all protected with copyright and therefore cannot be copied. Remember that youth will use one project book for about 2-3 years.

Check out the project pages on the Wisconsin 4-H website at https://4h.extension.wisc.edu/opportunities/projects/
On these pages, you'll find descriptions for statewide projects, online resources, county fair exhibit suggestions, state specialist contacts, and other suggested 4-H resources. You will see project pages highlighted under each Project Area throughout this guide.

If there is not project curriculum listed underneath a project area you are interested in, please contact the Extension Office. Meg is continuously finding project materials to support project areas listed in this project selection guide.

Have FUN with your project selections!

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RESOURCES FOR NEW MEMBERS & FAMILIES

New members and families can request these two resource books from your Club Leader after you have completed your enrollment, paid dues (if applicable) and participated in two club meetings.

01610, *4-H Family Handbook* – One book per family

01517, *Welcome to 4-H* – One book per member

FOR YOUNGER MEMBERS CLOVERBUD – Grades K-2

CLOVERBUD PROJECT

What you can do in this project:

- Learn about your 4-H club or group
- Begin developing different skills, e.g., working with others, decision making, communication
- Share with others what you have learned

Grade: Kindergarten (5 year olds) – 2nd

Resources: *Cloverbud Coloring Book and Crayons – Year 1*
Exploring 4-H Cloverbud Activity Book – Year 2
Exploring 4-H Pets – Year 3
OR
Exploring 4-H Insects – Year 3

CLOVERBUD LEADER

Resource: 710GPM, *The Big Book of 4-H Cloverbud Activities*
Each 4-H Club has one copy of the Big Book of 4-H Cloverbud Activities. If Leaders or a family would like to purchase an additional book, they are available for $25 in the Sauk County Extension Office.

https://4h.extension.wisc.edu/opportunities/projects/cloverbuds/

EXPLORING For youth in their first 1-2 years in 4-H

EXPLORING PROJECT

This project is for 4-H members who are in their first 1-2 years in the 4-H program. 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: 3-4

Resource: 08171, *Exploring the Treasures of 4-H*

EXPLORING LEADER

Resource: 08172, *Exploring Treasures of 4-H Helper's Guide*

COMMUNITY INVOLVEMENT

CITIZENSHIP PROJECT

What you can do in this project:

- Discover and discuss public issues

Grades: 4-12

Resource: 08153, *Citizenship Adventure Kit*

CITIZENSHIP LEADER

Resource: 08154, *Citizenship Guide's Handbook*

https://4h.extension.wisc.edu/opportunities/projects/community-involvement/civic-engagement-project/

INTERNATIONAL PROJECT

What you can do in this project:

- Explore the world around you through maps
- Track weather in various parts of the world
- Make your family tree by talking with relatives
- Explore where your ancestors came from

Grades: 3-12

Resources: 4H812, *And My World*
4H372, *Diversity: The Source of Our Strength*

INTERNATIONAL LEADER

Resource: Same as above
AND
08379, *Food, Culture and Reading,*
08180DD, *Que Rico La Cultura* - Digital Download available at: https://shop4-h.org/products/que-rico-la-cultura-bilingual-curriculum-helpers-guide-digital-download
01501F, *We Connect Facilitator's Guide* – available to download or order at: https://extension.umn.edu/youth-work-courses/weconnect

http://wi4hinternational.org/

https://4h.extension.wisc.edu/opportunities/projects/cultural-projects/

SERVICE LEARNING PROJECT

Service Learning Level 1

What you can do in this project:

- Give back to your community, plan a service project

Grades: 5-8

Resource: 08182, *Agents of Change*

Service Learning Level 2

What you can do in this project:

- Plan and implement your own service project

Grades: 9-12

Resource: 08183, *Raise Your Voice*

SERVICE LEARNING LEADER

Resource: 08184, *Service Learning Helper's Guide*

YOUTH LEADERSHIP PROJECT

Youth Leadership Level 1

What you can do in this project:

- Assess your leadership skills
- Set goals and resolve conflict

Grades: 3-5
Resource: 07905, *My Leadership Workbook for Grades 3-5*

Youth Leadership Level 2

What you can do in this project:

- Explore how leaders are different
- Develop a multi-media presentation

Grades: 6-8
Resource: 07906, *My Leadership Journal for Grades 6-8*

Youth Leadership Level 3

What you can do in this project:

- Assess you own strengths and weaknesses
- Write vision and mission statements

Grades: 9-12
Resource: 07907, *My Leadership Portfolio for Grades 9-12*

YOUTH LEADERSHIP LEADER

Resources: 07903, *Leadership Mentor Guide for Grades K-5*
07904, *Leadership Mentor Guide for Grades 6-12*

Additional Leadership Resources for Youth and Adults:
4H375, *Leadership Road Trip*: *Where Are You Going?*
4H01704, *4-H Officers Handbook*

ANIMAL SCIENCES

AMPHIBIAN PROJECT – NEW 2021-2022

Amphibian

What you can do in this project:

- Learn about amphibian adaptations that allow them to thrive in different habitats
- Conduct a field study and monitor amphibian environments
- Understand how water quality affects amphibians, their habitat and ecosystems

Grades: 5-8
Resource: 4-H5150, *Amphibians & You – A look at the Amphibian Crisis – Student Journal*

AMPHIBIAN LEADER

Resource: 4-H5140, *Amphibians & You – A look at the Amphibian Crisis – Leader's Guide*

BEEF PROJECT

Beef Level 1

What you can do in this project:

- Identify various beef breeds and parts
- Recognize and raise a healthy animal

Grades: 3-5
Resource: 08143, *Bite Into Beef*

Beef Level 2

What you can do in this project:

- Learn about feed ingredients, behavior and parasites
- Learn beef carcass composition and retail meat cuts

Grades: 6-8
Resource: 08144, *Here's the Beef*

Beef Level 3

What you can do in this project:

- Learn about careers, health, reproduction, etc.
- Discover how to market your animal and by-products

Grades: 9-12
Resource: 08145, *Leading the Charge*

BEEF LEADER

Resource: 08146, *Beef Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/beef-project/

Additional Beef Resources for Youth and Adults:
08455 *Exploring Beef Health and Husbandry* - **$25**

4-H450, *Judging Breeding and Market Cattle*

G2952, *Livestock Judging Techniques*

Wisconsin Youth Livestock Judging Resources:
https://fyi.extension.wisc.edu/youthlivestock/resources/livestock-judging/

CAT PROJECT

Cat Level 1

What you can do in this project:

- Identify cat breeds and name the parts of a cat
- Handle and groom a cat

Grades: 3-5
Resource: 08148, *Purr-fect Pals*

Cat Level 2

What you can do in this project:

- Learn about cat senses and sounds
- Detect signs of illness and health issues

Grades: 6-8
Resource: 08149, *Climbing Up!*

Cat Level 3

What you can do in this project:

- Explore veterinary procedures
- Explore community laws and animal welfare

Grades: 9-12
Resource: 08150, *Leaping Forward*

CATS LEADER

Resource: 08151, *Cat Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/small-animals/cats-project/

CAVIES PROJECT

What you can do in this project:

- Learn how to care for cavies
- Identify cavy breeds and characteristics

Grades: 3-12
Resource: 4H369D, *4-H Cavy Project Health Supplement*
https://fyi.extension.wisc.edu/wi4hpublications/files/2015/10/4H369D.pdf

CAVIES LEADER

Resource: 4H215R, *Cavy Resource Handbook*

DAIRY CATTLE PROJECT

Dairy Cattle Level 1

What you can do in this project:

- Identify dairy breeds and parts of the dairy cow
- Learn how to select quality dairy calves

Grades: 3-5
Resource: 08161, *Cowabunga*

Dairy Cattle Level 2

What you can do in this project:

- Learn about housing and hay quality
- Explore ways to keep an animal healthy

Grades: 6-8
Resource: 08162, *Mooving Ahead*

Dairy Cattle Level 3

What you can do in this project:

- Learn to balance rations
- Explore various dairy industry careers

Grades: 9-12
Resource: 08163, *Rising to the Top*

DAIRY CATTLE PROJECT Continued

DAIRY CATTLE LEADER

Resource: 08164, *Dairy Cow Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/dairy-project/

Additional Dairy Resources for Youth and Adults:
Wisconsin Dairy Youth Extension Resources
http://fyi.uwex.edu/dairyyouth/

Lifetime Dairy Record
http://fyi.uwex.edu/wi4hpublications/lifetime-dairy-record/

Managerial Project Agreement
http://fyi.uwex.edu/wi4hpublications/4-h-dairy-managerial-project-agreement/

Showmanship…Leading to Win
https://www.holstein.ca/PublicContent/PDFS/EN/ShowmanshipLeadingToWin.pdf

Preparing to Lead – Your Guide to Show Selection and Preparation
https://www.holstein.ca/PublicContent/PDFS/EN/PreparingToLead.pdf

DOG PROJECT

Dog Level 1

What you can do in this project:

- Learn basic skills for dog care and training
- Learn how to keep a dog healthy and groomed

Grades: 3-5
Resource: 08166, *Wiggles and Wags*

Dog Level 2

What you can do in this project:

- Explore dog health and nutrition
- Learn showmanship and training techniques

Grades: 6-8
Resource: 08167, *Canine Connection*

Dog Level 3

What you can do in this project:

- Investigate responsible breeding
- Explore careers related to dogs

Grades: 9-12
Resource: 08168, *Leading the Pack*

DOGS LEADER

Resource: 08169, *Dog Helper's Guide*
4-H201R, *Dog Resource Handbook*, $25

https://4h.extension.wisc.edu/opportunities/projects/small-animals/dogs-project/

Additional Dog Resources for Youth and Adults:
4-H 200, *All About Dogs* – New Curriculum for 2021-2022

4H436, *The Basics of Training Your Dog* available online at:
http://fyi.uwex.edu/wi4hpublications/basics-of-training-your-dog/

4H439, *Dog Obedience–Novice & Beyond* available online at:
http://fyi.uwex.edu/wi4hpublications/dog-obedience-novice-beyond/

4H458, *4-H Dog Judging Guidelines* available online at:
http://fyi.uwex.edu/wi4hpublications/4-h-dog-judging-guidelines/

EXOTIC ANIMALS PROJECT

Llamas & Alpacas

What you can do in this project:

- Learn how to care for llamas and alpacas
- Try your hand at building trust with your animal

Grades: 3-12
Resource: 4-H 996, *Llamas & Alpacas – Book 1*
4-H 997, *Llamas & Alpacas – Book 2*
4-H 998, *Llamas & Alpacas – Book 3*

Pygmy Goats

What you can do in this project:

- Learn and identify pygmy goat body parts
- Identify typical pygmy goat diseases

Grades: 3-12
Resource: 4-H Pygmy Goat Project Book
https://ir.library.oregonstate.edu/xmlui/bitstream/handle/1957/23100/4-HNO1130.pdf

4-H Pygmy Goat Advancement Program
https://catalog.extension.oregonstate.edu/sites/catalog/files/project/pdf/4-h1133.pdf

Miniature Horses and Donkeys

What you can do in this project:

- Learn basics of caring for small equine
- Build trust with your animal for in hand and driving

Grades: 3-12
Resource: 4-H 182, *Small Equine*

EXOTIC ANIMALS LEADER

Resources: 4-H999W - *Llamas and Alpacas – Leader Guide*
https://www.extension.purdue.edu/extmedia/4H/4-H-999-W.pdf

4-H 132R, *Llama and Alpaca Resource Handbook*, $25

https://4h.extension.wisc.edu/opportunities/projects/large-animals/

DAIRY GOAT PROJECT

Dairy Goat Level 1

What you can do in this project:

- Gain hands-on experiences in the goat project
- Select, manage, fit and show goats

Grades: 3-5
Resource: 08352, *Getting Your Goat*

Dairy Goat Level 2

What you can do in this project:

- Prepare for kidding
- Learn how to milk a goat properly

Grades: 6-8
Resource: 08353, *Stepping Out*

Dairy Goat Level 3

What you can do in this project:

- Learn about genetics, diseases and breeding
- Study body-condition scoring and linear appraisal

Grades: 9-12
Resource: 08354, *Showing the Way*

DAIRY GOAT LEADER

Resource: 08355, *Dairy Goat Helper's Guide*

DAIRY GOAT PROJECT Continued

Additional Dairy Goat Resources for Youth and Adults:
4H369E *4-H Dairy Goat Project Health Supplement*
http://fyi.uwex.edu/wi4hpublications/4-h-dairy-goat-project-health-supplement/

4-H135R, *Goat Resource Handbook*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/dairy-goat-project/

MEAT GOAT PROJECT

Meat Goat Level 1

What you can do in this project:

- Identify meat goat breeds and parts
- Feed and care for a meat goat

Grades: 3-5
Resource: 07909, *Just Browsing*

Meat Goat Level 2

What you can do in this project:

- Recognize meat goat diseases
- Understand reproduction cycle and keep records

Grades: 6-8
Resource: 07910, *Get Growing with Meat Goats*

Meat Goat Level 3

What you can do in this project:

- Understand bio-security and quality assurance
- Formulate rations

Grades: 9-12
Resource: 07911, *Meating the Future*

MEAT GOAT LEADER

Resource: 07912, *Meat Goat Helper's Guide*

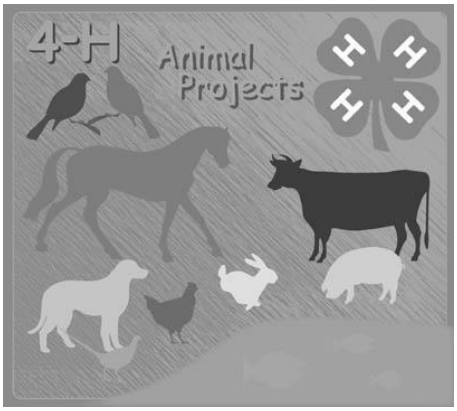
https://4h.extension.wisc.edu/opportunities/projects/large-animals/meat-goats-project

Additional Meat Goat Resources for Youth and Adults:
4-H Meat Goat Guide, https://agrilifeextension.tamu.edu/library/4-h-youth-development/4-h-meat-goat-guide/

G2952, *Livestock Judging Techniques*

4-H135R, *Goat Resource Handbook*

Wisconsin Youth Livestock Judging Resources:
https://fyi.extension.wisc.edu/youthlivestock/resources/livestock-judging/



HORSE & HORSELESS HORSE PROJECT

Horse Level 1

What you can do in this project:

- Study breeds and identify body parts
- Saddle, groom and bridle your horse

Grades: 3-4
Resource: 08053, *Giddy Up & Go*

Horse Level 2

What you can do in this project:

- Practice horsemanship and judging
- Learn about tack, feeding and diseases

Grades: 5-6
Resource: 08054, *Head, Heart & Hooves*

Horse Level 3

What you can do in this project:

- Explore horse breeding, genetics and heredity
- Understand horse diseases and prevention

Grades: 7-8
Resource: 08055, *Stable Relationships*

Horse Level 4

What you can do in this project:

- Train a horse
- Understand equitation and riding styles

Grades: 9-10
Resource: 08056, *Riding the Range*

Horse Level 5

What you can do in this project:

- Compare costs of show clothing
- Practice proper show ethics

Grades: 11-12
Resource: 08057, *Jumping to New Heights*

Horseless Horse

This project is specifically designed for youth who do not own or have access to a horse.

What you can do in this project:

- Explore horse behavior, terms and breeds
- Learn about safety and equipment
- Understand and identify horsemanship skills

Grades: 3-12
Resource: OH4-H173, *Horseless Horse*

HORSE/ HORSELESS HORSE LEADER

Resource: 08058, *Horse Helper's Guide*

Additional Horse Resources for Youth and Adults:

CO 200, *Horses and Horsemanship*
CO 201, *Horse Science*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/horse-project/

PETS PROJECT

Pets Level 1

What you can do in this project:

- Explore your favorite pet or select a pet
- Design a space for your pet

Grades: 3-5
Resource: 06359, *Pet Pals*

Pets Level 2

What you can do in this project:

- Explore animal digestion and feeding
- Study pet behavior and communication

Grades: 6-8
Resource: 06360, *Scurrying Ahead*

Pets Level 3

What you can do in this project:

- Teach others about pets
- Understand how genetics work

Grades: 9-12
Resource: 06361, *Scaling the Heights*

PETS LEADER

Resource: 06362, *Pet Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/small-animals/pocket-pets-project/

POULTRY PROJECT

Poultry Level 1

What you can do in this project:

- Identify poultry breeds and parts of a bird
- Learn how to select and handle poultry

Grades: 3-5
Resource: 06363, *Scratching the Surface*

Poultry Level 2

What you can do in this project:

- Select and judge broilers
- Prevent poultry diseases

Grades: 6-8
Resource: 06364, *Testing Your Wings*

Poultry Level 3

What you can do in this project:

- Manage a laying flock
- Handle poultry products safely & process a chicken

Grades: 9-12
Resource: 06365, *Flocking Together*

POULTRY LEADER

Resource: 06366, *Poultry Helper's Guide*

Additional Poultry Resources for Youth and Adults:

UWEX Learning Store: https://learningstore.extension.wisc.edu/
A2880, *Chicken Breeds and Varieties* – UWEX Learning Store

A3858-01, *Guide to Raising Healthy Chickens* – UWEX Learning Store

A3311, *Raising Waterfowl* – UWEX Learning Store

NCR209, *Bantams* – UWEX Learning Store

https://4h.extension.wisc.edu/opportunities/projects/small-animals/poultry-project/

RABBIT PROJECT

Rabbit Level 1

What you can do in this project:

- Learn about selecting and handling rabbits
- Explore health issues and feeding

Grades: 3-5
Resource: 08080, *What's Hoppening?*

Rabbit Level 2

What you can do in this project:

- Learn to judge rabbits
- Detect and prevent diseases

Grades: 6-8
Resource: 08081, *Making Tracks*

Rabbit Level 3

What you can do in this project:

- Learn about breeding and genetics
- Design a rabbitry

Grades: 9-12
Resource: 08082, *All Ears*

RABBITS LEADER

Resource: 08083, *Rabbit Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/small-animals/rabbits-project/

SHEEP PROJECT

Sheep Level 1

What you can do in this project:

- Learn to identify sheep breeds and body parts
- Identify uses of wool and other by-products

Grades: 3-5
Resource: 06367, *Lambs, Rams and You*

Sheep Level 2

What you can do in this project:

- Promote meat safety
- Diagnose sheep diseases & use medications safely

Grades: 6-8
Resource: 06368, *Shear Delight*

Sheep Level 3

What you can do in this project:

- Set sheep production goals and explore careers
- Market sheep products and teach others

Grades: 9-12
Resource: 06369, *Leading the Flock*

SHEEP LEADER

Resource: 06370, *Sheep Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/sheep-project/

Additional Sheep Resources for Youth and Adults:
194R, *Sheep Resource Handbook for Market and Breeding Sheep*

G2952, *Livestock Judging Techniques*

Wisconsin Youth Livestock Judging Resources:
https://fyi.extension.wisc.edu/youthlivestock/resources/livestock-judging/

SWINE PROJECT

Swine Level 1

What you can do in this project:

- Identify swine breeds, feeds and animal parts
- Identify pork meat cuts

Grades: 3-5
Resource: 08065, *The Incredible Pig*

Swine Level 2

What you can do in this project:

- Make a swine health care plan and identify diseases
- Complete a plan for a new pork product

Grades: 6-8
Resource: 08066, *Putting the Oink in the Pig*

Swine Level 3

What you can do in this project:

- Learn to make breeding and culling decisions
- Manage a feeding program

Grades: 9-12
Resource: 08067, *Going Whole Hog*

SWINE LEADER

Resource: 08068, *Swine Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/swine-project/

Additional Swine Resources for Youth and Adults:
08456 *Exploring Swine Health and Husbandry* - $25

G2952, *Livestock Judging Techniques*

Wisconsin Youth Livestock Judging Resources:
https://fyi.extension.wisc.edu/youthlivestock/resources/livestock-judging/

VETERINARY SCIENCE PROJECT

Veterinary Science Level 1

What you can do in this project:

- Interpret animal behavior
- Describe animal life stages and systems

Grades: 3-5
Resource: 08048, *From Airedales to Zebras*

Veterinary Science Level 2

What you can do in this project:

- Conduct food safety experiments
- Discover importance of immunity and bio-security

Grades: 6-8
Resource: 08049, *All Systems Go*

Veterinary Science Level 3

What you can do in this project:

- Investigate the importance of genetics
- Understand diseases that spread from animals to humans

Grades: 9-12
Resource: 08050, *On the Cutting Edge*

VETERINARY SCIENCE LEADER

Resource: 08051, *Veterinary Science Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/large-animals/veterinary-science-project/

ARTS & COMMUNICATION

ARTS PROJECT

Art Level 1

What you can do in this project:

- Explore color, line, form, texture, movement, proportion, and elements of design

Grades: 3-5
Resource: 4H592, *Get Started in Art*

Art Level 2

What you can do in this project:

- Explore cutting, pasting and drawing
- Learn about the Principles of Design

Grades: 6-8
Resource: 08140, *Visual Arts: Sketchbook Crossroads*

Art Level 3

What you can do in this project:

- Develop graphic design techniques
- Try sculpting and constructing with fibers

Grades: 7-12
Resource: 08141, *Visual Arts: Portfolio Pathways*

ART LEADER

Resource: same as above

Additional Art Resource for Youth and Adults:
BUL924, *Elements of Design/Principles of Design Supplement Card*

https://4h.extension.wisc.edu/opportunities/projects/arts-communication/visual-arts-project/

FOLK ARTS PROJECT

What you can do in this project:

- Explore traditional folk arts
- Learn storytelling

Grades: 5-12
Resource: Same as Leader Guide

FOLK ARTS LEADER

Resource: NCR534, *Folk Arts Leader Guide*

LEATHERCRAFT PROJECT

What you can do in this project:

- Explore various leathercraft techniques
- Make patterns and original designs

Grades: 3-12
Resource: *4-H Leathercraft Project Manual* – download at: https://catalog.extension.oregonstate.edu/4-h7501

LEATHERCRAFT LEADER

Resource: Same as above

https://4h.extension.wisc.edu/opportunities/projects/arts-communication/leathercraft-project/

COMMUNICATION PROJECT

Communication Level 1

What you can do in this project:

- Engage in non-verbal, verbal communication activities
- Strengthen your personal communication skills

Grades: 3-5
Resource: 08156, *Picking Up the Pieces*
4H377, *Finding Your Voice: Public Speaking*

Communication Level 2

What you can do in this project:

- Learn to become a confident communicator
- Plan and present speeches

Grades: 6-8
Resource: 08157, *Putting It Together*

Communication Level 3

What you can do in this project:

- Explore communication careers
- Write résumés and interview for a job

Grades: 9-12
Resource: 08158, *The Perfect Fit*

COMMUNICATION LEADER

Resource: 08159, *Communication Helper's Guide*

Additional Communication Resource for Youth and Adults:
4H377, *Finding Your Voice: Public Speaking*

COMM06, *4-H Public Speaking Opportunities- A Parent's Handbook*
https://fyi.extension.wisc.edu/wi4hpublications/files/2015/10/6_PublicSpeaking.pdf

COMM07, *Communication Activities for 4-H Clubs*, download at:
http://fyi.uwex.edu/wi4hpublications/communication-activities-for-4-h-clubs/

Y744, *Let's Demonstrate*, download at:
https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/4h/Docs/GetInvolved/ClubManagement/ProjectLeader/Y744.pdf

Y745, *Demonstration Worksheet*, download at:
https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/4h/Docs/GetInvolved/ClubManagement/ProjectLeader/Y745.pdf

Grab Bag Demonstrations, download at
https://extension.missouri.edu/media/wysiwyg/Extensiondata/Pro/4h/Docs/BrownBag/bbgrabbag.pdf

CLOWNING PROJECT

What you can do in this project:

- Discover the history of clowning
- Develop your own character, makeup, costume and props

Grades: 3-12
Resource: 4H265, *Enter the Clowns*
https://fyi.uwex.edu/wi4hpublications/enter-the-clowns/

CLOWNING LEADER

Resource: Same as above

CREATIVE WRITING PROJECT

What you can do in this project:

- Explore language and creative expression
- Stimulate your creativity and self-expression

Grades: 3-12
Resource: 4H588, *The Writer in You*

CREATIVE WRITING LEADER

Resource: Same as above

Additional Creative Writing Resource for Youth and Adults:
COMM01, *Creative Wordworking*, available online at:
http://fyi.uwex.edu/wi4hpublications/creative-wordworking /

COMM03, *Crazy About Books Reading Circle*, available online at:
http://fyi.uwex.edu/wi4hpublications/crazy-about-books-reading-circle /

FILMMAKING PROJECT

What you can do in this project:

- Learn storytelling, editing and lighting
- Experiment with camera handling and editing
- Learn to plan a project with storyboarding

Grades: 6-12
Resource: *4-H Filmaking CD*

FILMMAKING LEADER

Resource: Same as above

PERFORMANCE ARTS PROJECT

Dance Project

What you can do in this project:

- Gain a greater appreciation for dance
- Explore various types of dance

Grades: 3-12
Resource: *Performing Arts – Dance Project*
https://georgia4h.org/wp-content/uploads/PerformingArtsDance.pdf
Performing Arts – Planning Your Path
https://4h.tennessee.edu/performing-arts/

Music Project

What you can do in this project:

- Gain a greater appreciation for music
- Listen, perform and compose various types of music

Grades: 3-12
Resource: Performing Arts – Planning Your Path
https://4h.tennessee.edu/performing-arts/
4-H Music Project Brief: https://4-h.ca.uky.edu/files/ky_4-h_project_overview_music_mar_17_-_copy.pdf

PERFORMANCE ARTS LEADER

Resource: Same as above

PHOTOGRAPHY PROJECT

Photography Level 1

What you can do in this project:

- Explore the camera and learn to use it properly
- Learn the basics of lighting and composition

Grades: 3-5
Resource: 01902Y, *Photography Basics*

Photography Level 2

What you can do in this project:

- Explore film speed, shutter speed and aperture
- Take silhouettes, candid, action shots and others

Grades: 6-8
Resource: 01903Y, *Next Level Photography*

Photography Level 3

What you can do in this project:

- Explore the use of light meters and studio lighting
- Experiment with special effect photos

Grades: 9-12
Resource: 01904Y, *Mastering Photography*

PHOTOGRAPHY LEADER

Resource: Same as above

https://4h.extension.wisc.edu/opportunities/projects/arts-communication/photography-project/

THEATRE ARTS PROJECT

Theatre Arts Level 1

What you can do in this project:

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

Grades: 3-5
Resources: 08445, *Imagination in Action – Level 1*
08448, *Youth Journal* (to be used for all 3 levels)

Theatre Arts Level 2

What you can do in this project:

- Explore types of puppets and puppet characters
- Plan and present a theatre arts show

Grades: 6-8
Resources: 08446, *Imagination in Action – Level 2*
08448, *Youth Journal* (to be used for all 3 levels)

Theatre Arts Level 3

What you can do in this project:

- Study costumes, makeup, stage sets, props and sound
- Make up your own character and bring it to life

Grades: 9-12
Resource: 08447, *Imagination in Action – Level 3*
08448, *Youth Journal* (to be used for all 3 levels)

THEATRE ARTS LEADER

Resources: Same as above

FAMILY, HOME & HEALTH

CAKE DECORATING PROJECT
What you can do in this project:
- Prepare icing to use for borders, drop flowers, and lettering
- Experiment with different decorating tips
- Decorate with borders, flowers, leaves, and letters

Grades: 3-12
Resource: *4-H Cake Decorating*. Download at: http://www.uwyo.edu/4-h/projects/_manuals/cake-decorating-manual.pdf

CAKE DECORATING LEADER
Resource: Same as above

https://4h.extension.wisc.edu/opportunities/projects/arts-communication/cake-decorating-project/

CHILD DEVELOPMENT PROJECT
Child Development Level 1
What you can do in this project:
- Learn about the development of babies and toddlers
- Make toys safe for small children

Grades: 3-4
Resource: 08075, *On My Own*

Child Development Level 2
What you can do in this project:
- Develop family and babysitting agreements
- Check for safety hazards

Grades: 5-6
Resource: 08076, *Growing With Others*

Child Development Level 3
What you can do in this project:
- Gain experience as a teacher or coach
- Make babysitting and first-aid kits

Grades: 7-10
Resource: 08077, *Growing in Communities*

CHILD DEVELOPMENT LEADER
Resource: 08078, *Child Development Helper's Guide*

CONSUMER SAVVY PROJECT
Consumer Savvy Level 1
What you can do in this project:
- Learn the difference between wants and needs
- Write a savings and spending plan

Grades: 3-5
Resource: 08030, *The Consumer in Me*

Consumer Savvy Level 2
What you can do in this project:
- Identify your personal spending values
- Understand advertising appeal and its affects

Grades: 6-9
Resource: 08031, *Consumer Wise*

CONSUMER SAVVY PROJECT continued
Consumer Savvy Level 3
What you can do in this project:
- Define consumer responsibilities and ethics
- Use comparison shopping techniques

Grades: 10-12
Resource: 08032, *Consumer Roadmap*

CONSUMER SAVVY LEADER
Resource: 08033, *Consumer Savvy Helper's Guide*

CROCHETING PROJECT
What you can do in this project:
- Learn to select and purchase yarn, thread and equipment
- Explore crocheting and finishing techniques

Grades: 3-12
Resource: *The 4-H Crocheting Handbook*, Download at: https://polk.extension.wisc.edu/files/2020/06/Crocheting-Handbook-1.pdf

CROCHETING LEADER
Resource: Same as above

ENTREPRENEURSHIP PROJECT
What you can do in this project:
- Explore businesses, products, marketing and pricing
- Create a business plan and start your own business

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

ENTREPRENEURSHIP LEADER
Resource: 08036, *Entrepreneurship Helper's Guide*

FOODS & NUTRITION PROJECT
Foods & Nutrition Level 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

Grades: 3-4
Resource: *Cooking 101*

Foods & Nutrition Level 2
What you can do in this project:
- Make main dishes, e.g., meatballs, pasta and salads
- Learn to change recipes to reduce fat content

Grades: 5-6
Resource: *Cooking 201*

Foods & Nutrition Level 3
What you can do in this project:
- Learn to evaluate nutrition information and fad diets
- Make baked chicken, breadsticks and stir-fried vegetables

Grades: 7-9
Resource: *Cooking 301*

FOODS & NUTRITION PROJECT continued

Foods & Nutrition Level 4

What you can do in this project:

- Learn to divide recipes and make substitutions
- Plan menus on a budget

Grades: 9-12
Resource: *Cooking 401*

FOODS & NUTRITION LEADER

Resource: *4-H Cooking Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/family-home-health/food-and-nutrition-project/

FOOD PRESERVATION PROJECT

Food Preservation Level 1 - Freezing

What you can do in this project:

- Learn the basics to safely freeze foods, maintain quality
- Learn to prepare healthy recipes from using frozen foods

Grades: 6-12
Resource: PNW650 – *Freezing Project Manual*

Food Preservation Level 2 - Drying

What can I do in this project:

- Learn the basics to safely dry foods, maintain quality
- Learn to prepare healthy recipes from using dried foods

Grades: 6-12
Resource: PNW651 – *Drying Project Manual*

Food Preservation Level 3 – Water Canning

What can I do in this project:

- Learn to preserve fruits, fruit spreads, and pickles.
- Learn to prepare healthy recipes using home canned items.

Grades: 6-12
Resource: PNW652 – *Boiling Water Canning Project Manual*

Food Preservation Level 4 – Pressure Canning

What can I do in this project:

- Learn to preserve tomatoes, vegetables, and meats.
- Learn to prepare healthy recipes using home canned items

Grades: 6-12
Resource: PNW653 – *Pressure Canning Project Manual*

FOOD PRESERVATION LEADER

Resource: Same as above
https://4h.extension.wisc.edu/opportunities/projects/family-home-health/food-preservation-project/

GENEALOGY PROJECT

What you can do in this project:

- Complete a three generation family tree
- Learn about what's in a name
- Interview a family member t

Grades: 3-12
Resources: 4-H 442, *Family Treasure Hunt*
COMM04, *Voices From the Past*, download at:
http://fyi.uwex.edu/wi4hpublications/voices-from-the-past/

GENEALOGY LEADER

Resources: Same as above

HEALTH PROJECT

Health Level 1

What you can do in this project:

- Practice first-aid skills to treat basic injuries
- Assemble a first-aid kit

Grades: 3-5
Resource: 08174, *First Aid in Action*

Health Level 2

What you can do in this project:

- Identify your personal talent areas in health care
- Explore hygiene, nutrition and physical activities

Grades: 6-8
Resource: 08175, *Staying Healthy*

Health Level 3

What you can do in this project:

- Design a fitness plan, track and review your progress
- Interview individuals in the health and fitness fields

Grades: 9-12
Resource: 08176, *Keeping Fit*
4H463, *Sports Nutrition-Ready, Set, Go*

HEALTH LEADER

Resource: Same as above

Additional Health Resources for Youth and Adults:
4H359, *Youth Thought Matter: Navigating Mental Health*

01805F, *GEM: Get Experience in Mindfulness*

01805B, *GEM: Get Experience in Mindfulness Journal*

https://4h.extension.wisc.edu/opportunities/projects/family-home-health/health-project/

HOME ENVIRONMENT PROJECT

Home Environment

What you can do in this project:

- Make decorative items for the home
- Learn scale, balance and proportion in home design
- Use the principles of design to arrange your home

Grades: 3-12
Resource: 4H5491, *It's My Home*
BUL924, *Elements and Principles of Design Card*

HOME ENVIRONMENT LEADER

Resource: Same as above

KNITTING PROJECT

What you can do in this project:

- Discover what to consider when buying yarn or tools
- Learn knitting and finishing techniques

Grades: 3-12
Resources: *The 4-H Knitting Handbook*, Download at:
https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=2480&context=extension_curall

KNITTING LEADER

Resources: Same as above
https://4h.extension.wisc.edu/opportunities/projects/arts-communication/knitting-project/

PERSONAL FINANCE PROJECT

Personal Finance Level 1

What you can do in this project:

- Learn about wants and needs, values and goal setting
- Develop money management skills and live on a budget

Grades: 6-8
Resource: 07710, *Money FUNdamentals*

Personal Finance Level 2

What you can do in this project:

- Learn the benefits and drawbacks of credit
- Survey and select financial services

Grades: 9-12
Resource: 07711, *Money Moves*

PERSONAL FINANCE LEADER

Resource: 07712, *Financial Champions Helper's Guide*

Additional Personal Finance Resources for Youth and Adults:
01442Y, *My Financial Future* – Youth Notebook
01443F, *My Financial Future* – Facilitator Guide

SEWING-CLOTHING PROJECT

Sewing-Clothing Level 1

What you can do in this project:

- Identify sewing tools and machine parts
- Select and purchase a pattern

Grades: 3-5
Resources: 08060, *Under Construction*

***Sewing-Clothing Level* 2**

What you can do in this project:

- Identify types of fabric constructions
- Sew different buttonholes and seam finishes

Grades: 6-8
Resource: 08061, *Fashion Forward*

***Sewing-Clothing Level* 3**

What you can do in this project:

- Use specialized sewing tools or equipment
- Design and embellish a garment

Grades: 9-12
Resource: 08062, *Refine Design*

SEWING LEADER

Resource: 08063, *Sewing Expressions Helper's Guide*

Additional Sewing Resources for Youth and Adults:
4H2240, *Maker's Guide to Sewing Stuff*

WORKFORCE READINESS PROJECT

What you can do in this project:

- Discover how to assess job possibilities in the community
- Recognize your learning styles and personal qualities
- Explore what it takes to get your first job

Grades: 6-12
Resource: 08561, *Build Your Future*

WORKFORCE READINESS LEADER

Resource: 08562, *Build Your Future Facilitator's Guide*

MECHANICAL SCIENCES & SCIENCE, TECHNOLOGY, ENGINEERING & MATH

AEROSPACE & MODEL ROCKETRY PROJECT

Aerospace & Model Rocketry Level 1

What you can do in this project:

- Build an introductory level rocket
- Make a space helmet

Grade: 3
Resource: 06842, *Pre-Flight*

Aerospace & Model Rocketry Level 2

What you can do in this project:

- Build straw and paper rockets
- Learn to read a map

Grades: 4-5
Resource: 06843, *Lift Off*

Aerospace & Model Rocketry Level 3

What you can do in this project:

- Build and launch model rockets
- Make a flight simulator

Grades: 6-8
Resource: 06844, *Reaching New Heights*

Aerospace & Model Rocketry Level 4

What you can do in this project:

- Plan a flight route
- Explore life in space and aerospace careers

Grades: 9-12
Resource: 06845, *Pilot in Command*

AEROSPACE & MODEL ROCKETRY LEADER

Resource: 06846, *Aerospace Adventures Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/stem/aerospace-project

BICYCLING PROJECT

Bicycling Level 1

What you can do in this project:

- Learn the essentials for getting started safely
- Learn safety, road rules and planning for a pleasant ride

Grades: 3-4
Resource: 08334, *Bicycling for Fun*

Bicycling Level 2

What you can do in this project:

- Choose a bike that's right for you
- Practice bike maintenance

Grades: 4-6
Resource: 08335, *Wheels in Motion*

BICYCLING LEADER

Resource: 08336, *Bicycle Helper's Guide*

http://fyi.uwex.edu/wi4hprojects/mechanical-sciences/bicycling/

Additional Resource:
08399, Bicycle Fix It (DVD)

COMPUTER PROJECT

Computers Level 1

What you can do in this project:

- Learn about hardware, software and components
- Explore how computers work

Grades: 3-5
Resource: 01606Y, *Discovering Computer Science & and Programming through Scratch – Fundamentals Level 1*
202014, *Discovering Computer Science & and Programming through Scratch – Fundamentals-Level 1* – Student Notebook

Computers Level 2

What you can do in this project:

- Build and repair a computer
- Identify the components and how they work together

Grades: 6-8
Resource: 01801Y, *Discovering Computer Science & and Programming through Scratch – Explorations - Level 2*
202015, *Discovering Computer Science & and Programming through Scratch* – Explorations - Level 2 - Student Notebook

Computers Level 3

What you can do in this project:

- Discover how to create and manage networks
- Explore security issues and troubleshooting

Grades: 9-12
Resource: 01802Y, *Discovering Computer Science & and Programming through Scratch – Recursions - Level 3*
202016, *Discovering Computer Science & and Programming through Scratch – Recursions* - Level 3- Student Notebook

COMPUTERS LEADER

Resource: 01606F, *Discovering Computer Science & and Programming through Scratch – Fundamentals Level 1* – Facilitator Guide

https://4h.extension.wisc.edu/opportunities/projects/stem/computers-project/

ELECTRICITY PROJECT

Electricity Level 1

What you can do in this project:

- Wire a simple circuit
- Build a compass, flashlight, switch and electric motor

Grades: 3-5
Resource: 06848, *Magic of Electricity*

Electricity Level 2

What you can do in this project:

- Learn to read circuit diagrams
- Communicate in Morse code

Grades: 6-7
Resource: 06849, *Investigating Electricity*

ELECTRICITY PROJECT Continued

Electricity Level 3

What you can do in this project:

- Develop a basic electrical tool and supply kit
- Understand the symbols on wires and cables

Grades: 8-9
Resource: 06850, *Wired for Power*

Electricity Level 4

What you can do in this project:

- Learn how to solder and prepare parts for assembly
- Assemble a circuit using a transistor

Grades: 10-12
Resource: 06851, *Entering Electronics*

ELECTRICITY LEADER

Resource: 06852, *Electric Excitement Helper's Guide*

https://4h.extension.wisc.edu/opportunities/projects/stem/electricity-project/

LEGOS & ENGINEERING PROJECT

What you can do in this project:

- Learn to follow directions
- Work on your creativity and design principles to build your own model

Grades: 3-12
Resources: Lego & Engineering 1 – Grades 3-5
4-H LEGO ® Engineering Club – Download at: https://extension.msstate.edu/sites/default/files/publications/publications/p3031.pdf

Lego & Engineering 2 – Grades 6-13
Building Blocks Engineering Project – Ontario 4-H Reference Manual

LEGOS & ENGINEERING LEADER

Resource: Same as above

ROBOTICS PROJECT

What you can do in this project:

- Learn about robot form, function and design
- Build robots from everyday items
- Explore basic power, motors, and gear system
- Understand robots sensors, analog and digital systems

Grades: 3-12
Resource: 08435, *4-H Robotics Youth Notebook*

ROBOTICS LEADER

Resources: 08431, *Junk Drawer Robotics 1: Give Robots a Hand*
08432, *Junk Drawer Robotics 2: Robots on the Move*
08433, *Junk Drawer Robotics Level 3: Mechatronics*
08434, *Virtual Robotics Track* DVD

https://4h.extension.wisc.edu/opportunities/projects/stem/robotics-project/

SCALE MODELS PROJECT

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

Grades: 3-12
Resource: 4H424, *Guidelines for Building Scale Models*

SCALE MODELS LEADER

Resource: Same as above

SMALL ENGINES PROJECT

Small Engines Level 1

What you can do in this project:

- Learn the basics of small engines
- Explore external engine parts and tools

Grades: 3-5
Resource: 08186, *Crank It Up!*

Small Engines Level 2

What you can do in this project:

- Explore the internal parts of engines
- Learn about engine sizes and safety issues

Grades: 6-8
Resource: 08187, *Warm It Up!*

Small Engines Level 3

What you can do in this project:

- Tear down and rebuild an engine
- Research rules and regulations in using small engines

Grades: 9-12
Resource: 08188, *Tune It Up!*

SMALL ENGINES LEADER

Resource: 08189, *Small Engines Helper's Guide*

TRACTOR PROJECT

Tractors Level 1

What you can do in this project:

- Learn and identify parts of the tractor
- Understand the basics of tractor maintenance

Grades: 3-4
Resource: 4H961, *Starting Up: Getting to Know Your Tractor*

Tractors Level 2

What you can do in this project:

- Practice farm and tractor safety
- Understand the mechanics of engines

Grades: 5-6
Resource: 4H962, *Tractor Operations: Gearing Up for Safety*

Tractors Level 3

What you can do in this project:

- Learn types of oil systems and fuel safety
- Learn tractor and machinery maintenance

Grades: 7-9
Resource: 4H963, *Moving Out – Learning about Your Tractor & Farm Machinery*

TRACTOR PROJECT Continued

Tractors Level 4

What you can do in this project:

- Focus on safety and maintenance
- Identify and work with operational systems

Grades: 10-12
Resource: 4H964, *Learning More – Learning More About Agricultural Tractors & Equipment*

TRACTOR LEADER

Resource: Same as above

WOODWORKING PROJECT

Woodworking Level 1

What you can do in this project:

- Learn safety practices when working with wood & tools
- Use various hand tools, e.g., hammer and saw

Grades: 3-4
Resource: 06875, *Measuring Up*

Woodworking Level 2

What you can do in this project:

- Identify functions of various tools
- Select a project to build, e.g., birdhouse or foot stool

Grades: 4-6
Resource: 06876, *Making the Cut*

Woodworking Level 3

What you can do in this project:

- Enlarge scale-drawn woodworking plans
- Use a hand plane and build a laminated cutting board

Grades: 6-8
Resource: 06877, *Nailing It Together*

Woodworking Level 4

What you can do in this project:

- Use a table saw, router, powered circular saw and sander
- Create inlays and overlays

Grades: 9-12
Resource: 06878, *Finishing Up*

WOODWORKING LEADER

Resource: 06879, *Woodworking Helper's Guide*

NATURAL RESOURCES & ENVIRONMENTAL EDUCATION

ASTRONOMY PROJECT
What you can do in this project:
- Learn about constellations and how to identify them
- Identify phases of the moon and learn about craters

Grades: 3-13
Resource: *Astronomy* – NEW for 2021-2022 - *a*vailable at: http://www.gov.pe.ca/photos/original/4h_astronomyAG.pdf

ASTRONOMY LEADER
Resource: Same as above

BACKPACKING & HIKING PROJECT
Backpacking & Hiking Level 1
What you can do in this project:
- Plan a day hike, select items and plan the food
- Learn to use a compass

Grades: 3-5
Resource: 08043, *Hiking Trails*

Backpacking & Hiking Level 2
What you can do in this project:
- Plan a camping trip, the menu and prepare supplies
- Practice "Leave No Trace" principles while hiking

Grades: 6-8
Resource: 08044, *Camping Adventures*

Backpacking & Hiking Level 3
What you can do in this project:
- Design a non-tent backpacking shelter
- Learn to orient a map and use triangulation

Grades: 9-12
Resource: 08045, *Backpacking Expeditions*

BACKPACKING & HIKING LEADER
Resource: 08046, *Outdoor Adventures Helper's Guide*

Additional Backpacking/Hiking Resource for Youth & Adults:
4H540, *Not Just Knots*

BEE PROJECT
Bees Level 1
What you can do in this project:
- Learn about beekeeping
- Develop an understanding of value of honey bees

Grades: 3-5
Resource: 4-H-571-W, *4-H Beekeeping, Division I,* https://www.extension.purdue.edu/extmedia/4h/4-h-571-w.pdf

Bees Level 2
What you can do in this project:
- Learn how to care for a beehive
- Explore basic beekeeping operations

Grades: 6-8
Resource: 4-H-586-W, *4-H Beekeeping, Division II,* https://www.extension.purdue.edu/extmedia/4H/4-H-586-W.pdf

BEE PROJECT Continued
Bees Level 3
What you can do in this project:
- Acquire and care for a bee colony
- Learn about increasing honey production

Grades: 9-12
Resource: 4-H-593-W, *4-H Beekeeping, Division III,* https://www.extension.purdue.edu/extmedia/4H/4-H-593-W.pdf

BEES LEADER
Resource: 4-H-576-W, *Beekeeping, Helper's Guide* https://www.extension.purdue.edu/extmedia/4h/4-h-576-w.pdf

CONSERVATION - EXPLORING YOUR ENVIRONMENT PROJECT
Conservation-Exploring Your Environment Level 1
What you can do in this project:
- Explore the four elements of life: sun, air, water and soil
- Learn how the environment is affected by pollution

Grades: 5-8
Resource: 08411, *Earth's Capacity*

Conservation-Exploring Your Environment Level 2
What you can do in this project:
- Begin to understand biodiversity
- Learn what climate has to do with the way we live

Grades: 9-12
Resource: 08410, *Ecosystems Services*

CONSERVATION - EXPLORING YOUR ENVIRONMENT LEADER
Resource: 08412, *Exploring Your Environment Facilitator Guide*

ENTOMOLOGY PROJECT
Entomology Level 1
What you can do in this project:
- Learn about insects, their behavior and life history
- Collect and compare insects

Grades: 3-5
Resource: 06853, *Teaming with Insects 1*

Entomology Level 2
What you can do in this project:
- Explore insect habitats and how they protect themselves
- Create an insect display

Grades: 6-8
Resource: 06854, *Teaming with Insects 2*

Entomology Level 3
What you can do in this project:
- Make an insect identification key
- Explore various insect habitats

Grades: 9-12
Resource: 06855, *Teaming with Insects 3*

ENTOMOLOGY LEADER
Resource: 06856, *Teaming with Insects Facilitators Guide*

ENTOMOLOGY PROJECT Continued

Additional Entomology Resource for Youth & Adults:
08392, *Butterfly WINGS Youth Guide*

08393, *Butterfly WINGS Facilitator Guide*

https://4h.extension.wisc.edu/opportunities/projects/outdoor-education/entomology-project/

FISHING PROJECT

Fishing Level 1

What you can do in this project:
- Identify types of tackle and organize a tackle box
- Identify different types of bait and fish in your area

Grades: 3-5
Resource: 07598, *Take the Bait*

Fishing Level 2

What you can do in this project:
- Cast a spinning rod and reel
- Collect and analyze aquatic life

Grades: 6-8
Resource: 07599, *Reel in the Fun*

Fishing Level 3

What you can do in this project:
- Learn to reassemble a fishing reel
- Make artificial flies and lures

Grades: 9-12
Resource: 07600, *Cast into the Future*

FISHING LEADER

Resource: 07601, *Fishing Adventures- Helper's Guide*

Additional Fishing Resources for Youth and Adults:
4H540, *Not Just Knots*

https://4h.extension.wisc.edu/opportunities/projects/outdoor-education/sport-fishing-project/

FORESTRY PROJECT

Forestry Level 1

What you can do in this project:
- Identify forest types, forest products and trees
- Age trees by counting rings

Grades: 3-5
Resource: 08038, *Follow the Path*

Forestry Level 2

What you can do in this project:
- Learn how trees move water from soil to canopy
- Understand major forest changes and their impact

Grades: 6-8
Resource: 08039, *Reach for the Canopy*

Forestry Level 3

What you can do in this project:
- Recognize different tree fruits
- Identify forest biomes by continent

Grades: 9-12
Resource: 08040, *Explore the Deep Woods*

FORESTRY PROJECT Continued

FORESTRY LEADER

Resource: 08041, *Forestry Helper's Guide*

GEOLOGY PROJECT

What you can do in this project:
- Find at least 8 rock samples and log in field journal
- Recreate rock cycle or ancient landmasses

Grades: 4-12
Resource: 4-H612, *Geology Can You Dig It?*

GEOLOGY LEADER

Resources: *01706Y, 4-H Geology: Study of the Earth*

Additional Geology Resources for Youth and Adults:
Wisconsin Geological & Natural History Survey - https://wgnhs.wisc.edu/

https://4h.extension.wisc.edu/opportunities/projects/outdoor-education/geology-project

WATER/WEATHER/ WIND PROJECT

Water

What you can do in this project:
- Learn about the natural water cycle
- Investigate how human interventions affect the water cycle

Grades: 3-13
Resource: 08420, *There's No New Water*

Weather/Climate Science

What you can do in this project:
- Learn the difference between weather and climate
- Explore the climate systems process

Grades: 3-13
Resource: 4-H 1023, *Weather and Climate Science* - Level 1
4-H 1024, *Weather and Climate Science* - Level 2
4-H 1025, *Weather and Climate Science* – Level 3

Wind Energy

What you can do in this project:
- Explore the power of the wind
- Design, create, build and test wind powered device.

Grades: 6-8
Resource: 08383, *The Power of the Wind Youth Guide*

Wind Energy Leader

Resource: 08384, *The Power of the Wind Facilitator Guide*

WILDFLOWERS

What you can do in this project:
- Learn to identify wildflowers and how to collect them
- Discover how humans affect wildflowers

Grades: 3-12
Resource: 4H392, *Wildflowers*

WILDFLOWER LEADER

Resource: Same as above

SHOOTING SPORTS EDUCATION

Each of the 4-H Shooting Sports projects must be led by a Certified leader, and youth must participate in the county wide Shooting Sports Projects that are offered.

Each discipline holds their meetings once a week for about 4-6 weeks.

Youth enrolled in the project will be receive a letter from the Extension office with the dates of the current year's project meetings.

SHOOTING SPORTS LEADER

Resource: Each Shooting Sports Leader should attend a Certification Training to receive the *WI Shooting Sports Basic 4-H Guidelines.* For more information see webpage.

https://4h.extension.wisc.edu/opportunities/projects/shooting-sports/

AIR RIFLE & .22

Air Rifle and .22 Rifle will only be offered at the Reedsburg location. You must have your own equipment.

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

.22 Rifle
What you can do in this project:

- Explore rifle history and the different models
- Learn to sight-in your rifle and score targets
- Learn various shooting positions used in competition
- Learn safe handling procedures and range rules

Ages: Only 12 years old and above can shoot powder burning guns
Resource: 750, *Rifle Member Record Book*

AIR RIFLE & .22 LEADER

Resource: Each Air Rifle Leader should attend a Certification Training to receive the *Air Rifle Guide and WI Shooting Sports Basic 4-H Guidelines.* For more information see webpage.

https://4h.extension.wisc.edu/opportunities/projects/shooting-sports/

ARCHERY

The Archery project is offered in three different areas of the county. When enrolling for the archery project please enroll in the area you will be participating in.

Archery: Baraboo/North Freedom
Shoots on Tuesday evenings
Mid-April to Mid-May

Archery: Reedsburg
Shoots on Friday evenings
Mid-February to Mid-March

Archery: Sauk Prairie
Shoots on Thursday evenings
Mid-April to Mid-May

Information for all members -

- You do not need to have your own bow. The 4-H project has equipment available for our 4-H members.
- If you do have a bow of your own, you may use it.
- There is a $15 fee for this project which is due at the first meeting.

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
Resource: 751, *Archery Member Record Book*

ARCHERY LEADER

Resource: 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 webpage.

https://4h.extension.wisc.edu/opportunities/projects/shooting-sports/

PLANT & SOIL SCIENCES

CROPS PROJECT

Corn

What you can do in this project:

- Learn about variety selection, germination and planting
- Explore uses and marketing strategies for corn

Grades: 3-12
Resource: 4H440, *Marketing Your 4-H Crops* –
UWEX Learning Store: https://learningstore.extension.wisc.edu/

http://fyi.uwex.edu/wi4hprojects/plant-soil-sciences/corn/

Forage

What you can do in this project:

- Scout fields for pests, diseases and nutrition shortages
- Take an accurate forage sample

Grades: 3-12
Resource: 4H440, *Marketing Your 4-H Crops* –
UWEX Learning Store: https://learningstore.extension.wisc.edu/

http://fyi.uwex.edu/wi4hprojects/plant-soil-sciences/forage/

CROPS LEADER

Resource: Same as above

FLOWERS AND HOUSE PLANTS PROJECT

Flowers and House Plants Level 1

What you can do in this project:

- Identify plant parts and their functions
- Plant flowers and make flower arrangements

Grades: 3-5
Resource: 4H 966, *Floriculture A*

Flowers and House Plants Level 2

What you can do in this project:

- Select and start new plants from seeds
- Examine plants for insects and diseases

Grades: 6-8
Resource: 4H 967, *Floriculture B*

Flowers and House Plants Level 3

What you can do in this project:

- Take cuttings from plants
- Create dried arrangements and terrariums

Grades: 9-10
Resource: 4H 968, *Floriculture C*

Flowers and House Plants Level 4

What you can do in this project:

- Develop an all seasons garden
- Explore greenhouse gardening

Grades: 11-13
Resource: 4H 969, *Floriculture D*

FLOWERS AND HOUSE PLANTS LEADER

Resource: Floriculture Supplemental CD

Additional Flowers Resources for Youth and Adults:
A2935, *Evaluating & Judging Flowers & Indoor Plants*

FRUITS PROJECT

What you can do in this project:

- Produce fruits from apples to berries
- Select the best fruit cultivar for your home garden

Grades: 3-13
Resources: https://learningstore.extension.wisc.edu/
A1597, *Growing Strawberries in Wisconsin*
A1610, *Growing Raspberries in Wisconsin*
A1960, *Growing Currants, Gooseberries, & Elderberries in Wisconsin*
A1656, *Growing Grapes in Wisconsin*
A2072, *Growing Pears in Wisconsin*

FRUITS LEADER

Resource: Same as above

HOME GROUNDS/LANDSCAPING PROJECT

Home Grounds/Landscaping Level 1

What you can do in this project:

- Study proper lawn care and maintenance
- Explore fertilization and pest management techniques

Grades: 3-6
Resource: 4H321, *4-H Lawn Care*, UWEX Learning Store

Home Grounds/Landscaping Level 2

What you can do in this project:

- Select, place and plant trees and shrubs
- Learn basic maintenance: pruning and fertilization

Grades: 7-12
Resources: https://learningstore.extension.wisc.edu/
G1923, *Planning & Designing Your Home Landscape*
A3067, *Selecting, Planting & Caring for Shade Trees*

HOME GROUNDS LEADER

Resources: Same as above

VEGETABLES & GARDENING PROJECT

Vegetables & Gardening Level 1

What you can do in this project:

- Identify plant parts and their functions
- Grow vegetables in containers

Grades: 3-5
Resource: 07162, *Gardening A: See Them Sprout*

Vegetables & Gardening Level 2

What you can do in this project:

- Start new plants and grow transplants
- Build a compost pile and use mulches

Grades: 6-8
Resource: 07163, *Gardening B: Let's Get Growing*

Vegetables & Gardening Level 3

What you can do in this project:

- Grow plants in a cold frame
- Make a site analysis and landscape plan

Grades: 9-10
Resource: 07164, *Gardening C: Take Your Pick*

VEGETABLES & GARDENING PROJECT Continued
***Vegetables & Gardening Level* 4**
What you can do in this project:

- Compare organic and chemical fertilizers
- Research careers in gardening

Grades: 11-12
Resource: 07165, *Gardening D: Growing Profits*

VEGETABLES & GARDENING LEADER
Resource: 07166, *Gardening Helper's Guide*

SELF-DETERMINED

SELF-DETERMINED PROJECT
What you can do in this project:

- Create your own project in a project area that does not already exist.
- Select a project, develop a plan, identify Resource
- Carry out and evaluate your plan

Grades: 3-13
Resource: 4H272, *Designing Your Own Project*
4-H Collections Book

Online resource: https://ohio4h.org/selfdetermined

Downloadable resource:
https://ohio4h.org/sites/ohio4h/files/imce/books_resources/Curriculum/365-Self-Determined-Project-Guide-Form.pdf

SELF-DETERMINED PROJECT AREAS – Choose and enroll in the area that your project best fits under.

- **SELF-DETERMINED ANIMAL SCIENCES**
- **SELF-DETERMINED ARTS & COMMUNICATION**
- **SELF-DETERMINED ENVIRONMENTAL EDUCATION**
- **SELF-DETERMINED FAMILY, HOME, & HEALTH**
- **SELF-DETERMINED MECHANICAL SCIENCES**
- **SELF-DETERMINED PLANT & SOIL SCIENCES**

SELF-DETERMINED LEADER
Resource: Same as above

https://4h.extension.wisc.edu/opportunities/projects/start-your-own-project/

Become a 4-H Volunteer

Volunteers make the 4-H program possible. To volunteer, you don't need to have previous experience working with youth. The most important qualifications are:

- a desire to work with young people to help them learn new things and gain life skills; and
- an interest to provide youth with positive experiences in a safe and welcoming environment.

Extension volunteers work with County based staff to deliver educational programs using University and other high-quality educational resources.

If you are interested in becoming a 4-H volunteer, we can help. We will provide new volunteers with **Volunteers in Preparation Training** about how to work effectively with youth and what resources are available to volunteers. We will also ask you to complete an online **Mandated Reporter Training** to learn more about how to protect youth from child abuse and neglect. Finally, to ensure the safety of all youth and volunteers, a **Volunteer Behavior Expectations Agreement** and background check are required.

To find out more about volunteering, contact Meg Sage, Sauk County Positive Youth Development Educator at margaret.sage@wisc.edu.

4-H Leaders – How Do You Re-Enroll?
You will also make choices about what to enroll in. There will be an option for you to enroll in each project you will be leading in 4-H Online as a LEADER. Check out the directions starting on page 11 of the 4-H Online 2.0 Family Enrollment Guide.

Resources for Project Leaders
This Project Selection Guide also lists project resources for you to use as the Project leader for each project. Sometimes the resources are the same books youth will use, other times there are additional Project Leader Resources.

As a project leader, it is recommended that you purchase each of the youth guides as well as the Leader materials. Check with your Club Leader to see if there are some funds available at the Club Level.

Project leaders who attend a Sauk County Project Leader training will receive a complete set (3 youth project books and one leader book) of project materials for one project area that they lead.