

# 2012 Door County 4-H



## Member & Leader Enrollment Information & Project Selection Guide

- ◆ 4-H grade is determined as of **October 1, 2011**.
  - ◆ Youth who are at least 5 years old and in Kindergarten through 2<sup>nd</sup> grade (as of October 1, 2011) will enroll in Door County 4-H as **Cloverbuds**.
  - ◆ Starting in 3<sup>rd</sup> grade, members can select from a variety of projects.
  - ◆ Youth who are home schooled will participate in 4-H in their declared grade. A grade must be listed.
  - ◆ Youth continue to be eligible for membership one (1) year beyond high school graduation (grade 12). **Member option:** Graduate from 4-H following high school graduation or one year after high school graduation.
  - ◆ Enrollment is made through local 4-H clubs. All members (new and re-enrolling) **MUST** complete an enrollment form and return it to the GENERAL LEADER of their club in October or early November. *These enrollment forms are submitted by the General Leader to the 4-H Office by **November 21, 2011**.*
- ◆ **New Members** (including Cloverbuds) and **Leaders** -- turn your enrollment forms into your club General Leader as soon as you have decided to become a member of a club.
  - ◆ New member enrollment forms are due by **April 1 to show at the 2012 Door County Fair**.
  - ◆ **April 1, 2012 is the deadline for project changes.**
  - ◆ **COST:** *Dues are \$2.00/member or Cloverbud.* Leaders do not pay dues. 4-H clubs may charge an additional fee for their club dues. Check with your club for details. *Members who do not pay dues by April 1, 2012 will not be able to enter in the Jr. Fair (4-H) division at the Door County Fair (exception: school exhibits).*

**NOTE:** Members must attend club meetings and participate in club activities and fundraisers (*as per club rules*). Members must be in "good standing" with their club in order to take part in some county opportunities or activities. Members **must** have their club dues paid before April 1<sup>st</sup> to participate in the Door County Fair as a 4-H exhibitor.



### CONTACT INFORMATION:

If you need help completing your 4-H enrollment forms, contact either your club's general leader or the Extension Office. Office hours are 8:00 a.m.-4:30 p.m. (or leave a voice-mail message any time).

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# CONTENTS



<b>Who Can Join Door County 4-H? ....</b>	Cover
<b>Contents .....</b>	2
<b>Information for Cloverbuds &amp; Leaders and How to Select Projects .....</b>	3
<b>Policies / Door County Fair .....</b>	4
<b>Member &amp; Leader Enrollment .....</b>	5

## **PROJECT SELECTION GUIDE BEGINS**

<b>Leadership - Adult &amp; Youth .....</b>	6
<b>Exploring .....</b>	6
<b>Cloverbuds .....</b>	6
<b>Citizenship .....</b>	7
<b>Self-Determined .....</b>	7

### **Animal Sciences**

Beef .....	7
Cats .....	11
Cavies - Caged Birds - Pets .....	12
Dairy .....	8
Dairy Goats .....	7
Dogs .....	11
Horses - Horseless - Clothes Horse .....	8-9
Poultry .....	9-10
Rabbits .....	11
Sheep .....	10
Swine .....	9
Veterinary Science .....	12

### **Arts & Communication**

Arts & Crafts (Leathercraft, Stencil Painting, Block Printing, Metal Enameling, Drawing & Painting, Macramé, Ceramics, Basketry, Creative Stitchery) .....	13-14
Communications & Creative Writing ....	13
Computers .....	15
Photography - Videography .....	12-13
Speaking .....	13
Theatre Arts - Clowning .....	14-15

### **Family, Home & Health**

Child Development .....	15
Clothing .....	15-16
Crocheting .....	16
Foods & Nutrition - Cake Decorating - Microwave - Food Preservation ...	16-17
Health .....	17-18
Home Environment .....	17
Knitting .....	17
Personal Finance .....	17

### **Mechanical Sciences**

Aerospace .....	18
Bicycling .....	18
Electricity .....	18-19
Geospatial .....	19
Robotics .....	19
Scale Models .....	20
Small Engines .....	19
Tractors .....	20
Woodworking .....	20

### **Natural Resources & Environmental Ed.**

Adventures: Winter Travel, Canoeing, Bicycling .....	21-22
Backpacking & Hiking .....	22
Entomology .....	22
Exploring Your Environment .....	20-21
Fishing .....	23-24
Forestry .....	21
Recycling .....	23
Shooting Sports .....	22-23
Water .....	23
Wildflowers .....	21

### **Plant & Soil Sciences**

Crops: Corn-Forage-Small Grains .....	24
Flowers .....	25
Fruits .....	24
Home Grounds .....	26
House Plants - Plant Crafts .....	24-25
Vegetables / Gardening .....	25

### **International Programs .....** 26 |

### **Door County 4-H Club Map .....** last page |



## DOOR COUNTY CLOVERBUDS / LEADERS / MEMBERS



### CLOVERBUDS

- ◆ Cloverbuds are members who are 5 years old and in Kindergarten through 2<sup>nd</sup> grade as of October 1, 2011. (*4-year-old Kindergarteners are too young for 4-H.*)
- ◆ Youth enroll in Cloverbuds (Code #10351), not individual projects.
- ◆ Cloverbud programs will be available at the county level. Clubs have the option of providing additional educational experiences.
- ◆ Please note that according to Wisconsin 4-H Youth Development Policies, "To exhibit animals at any public event as a 4-H member, youth must be in at least 3<sup>rd</sup> grade during the current 4-H year."

### DOOR COUNTY LEADERS

Any interested adult can be a 4-H volunteer leader in Door County. Leaders must enjoy working with youth, sharing their knowledge and enthusiasm for learning and having fun. **Leaders are asked to complete an enrollment form and sign a volunteer behavior and expectation form each year.**



The University of Wisconsin-Extension 4-H Program, as a long-time educational youth program, is very proud of its excellent record of providing a safe and healthy environment for all its members. The 4-H Youth Protection program has been underway in Door County since 1995.

**All individuals who enroll as new leaders must attend a new volunteer orientation and leader training.** This program is to ensure that every adult volunteer working with 4-H youth has received basic training in understanding young people, youth protection practices and teaching. More information on completing this training will be provided to new 4-H leaders who enroll in the Door County 4-H Youth Program.

### 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 and any other project list you may receive from your county. Ask yourself if you have the equipment, money, and time to do the projects that sound interesting.

Members receive requested literature for their first 2 projects for free. All other requested literature will be paid for by the 4-H member.

**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 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".*

**Statewide 4-H Youth Development has two statements about 4-H membership, intended to provide consistency to the way young people identify themselves with counties and how they are selected for out-of-county competitive events.** *For policies purposes, 4-H membership is defined as having an individual enrollment form on file/entered in the computer membership database at the county Extension Office. Policies are effective as of October 1, 1996.*

- **Membership Policy #1** -- *"Youth may not hold 4-H membership in more than one county/state at the same time."* This simply requires that they only hold 4-H membership in a single county at any given time.
- **Membership Policy #2** -- *"Youth must qualify for participation in district, state or national 4-H competitions through their county of membership."* Members must be selected as representatives of only their county of membership, regardless of the location of the qualifying experience.



## **Door County Fair August 2012 Dates to be determined**

### **DOOR COUNTY FAIR**

The projects you enroll in now affect what you will be able to enter at the Door County Fair. Choose your projects with this in mind. For example, if you want to enter your garden vegetables at the Fair, enroll now in the vegetable project.

Members must be enrolled in 4-H by **April 1<sup>st</sup>** to be able to enter projects in the Jr. Fair (4-H) division of the Door County Fair. Dues must also be paid by this time.

In May, your club will receive Door County Fair Entry Forms for each member. Forms need to be completed and turned into the Extension Office by **July 2<sup>nd</sup>**.

# MEMBER & LEADER ENROLLMENT FORMS

## How to Fill Out Your Enrollment Form



Your club organizational leader or enrollment coordinator will give you a form when you're ready to sign up for projects. You'll notice that each project has a computer code number assigned to it. Mark that code number on the form. *(Don't use the "youth leader" project codes unless you're signing up as a youth leader for that project. Youth Leaders typically are in middle and high school.)*

Many projects have more than one level. 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 doing only two or three projects well. Usually you can spend more than one year in a project unit because there are enough ideas there to span two or three years.

**Re-enrolling members and leaders:** Double-check the information pre-printed on your enrollment form! **Make any address, phone or grade changes in a color other than black (or use a highlighter).**

**New members and leaders:** Fill in the form completely!

- ❖ List projects you wish to be enrolled in this year from this guide (*starts on page 6*). Enter the project code and name and indicate if you need literature for this project. Please choose the project that is appropriate for your grade level and experience.
- ❖ The projects you choose will be the ones that you will be able to enter at the Door County Fair in 2012. Project Codes are the 5-digit number in front of the project (ex. page 8 #20301 - Horses 1)
- ❖ The literature you choose to request for your first two projects will be free. Members will pay for any other project literature they request. If a member only wants to receive some of the literature for a project, please indicate which literature pieces you want, so you are not charged for all of the pieces. For example, Dairy 1 (project #20201 on page 8) lists 5 pieces of literature. If you only need piece 08161 - Cowabunga, list that number on your enrollment form. Otherwise you will receive all literature pieces listed and you will be charged for all pieces. If literature is labeled "optional", you will not receive it unless you ask specifically for it. You will be charged for all optional literature you request.

- ❖ There is selected project literature cataloged at the Door County Library <http://www.infosoup.org/>. Materials have been placed in a binder. To look them up in the catalog, type [4h curriculum] in subject



and the full list of binders will appear. Similar to other library materials, you can put these on hold and check out for 3 weeks.

- ❖ We encourage members of families to share their literature or have a "club library".
- ❖ An itemized bill will be included when the general leader picks up the project literature for the club. Each member should pay the general leader; the club leader will then make one check for the total amount of dues and literature. **All literature bills must be paid no later than January 30, 2012.**
- ❖ *If you are in 7<sup>th</sup> grade or above, and wish to be part of the "Junior Leaders" in Door County, please sign up for Youth Leadership (#10202 or #10203) on your enrollment form. Your name will be put on the mailing list to receive meeting information for Junior Leaders. You will not receive mailings unless you are signed up for Youth Leadership!*



**Signatures (3):** You, your parent/guardian and the general leader for your club must sign your form and date it.

**Adult Leaders:** Must sign and date the Volunteer Behavior Expectation on the Leader Enrollment form.

Welcome!

You are now enrolled as a  
Door County 4-H Member/Leader.

***Give your form and pay your dues to  
your club General Leader!***

# PROJECT SELECTION GUIDE

## (list of projects available in Door County)



### YOUTH LEADERSHIP

#### 10200 YOUTH LEADERSHIP LDR

Resources:

07903, *Leadership Mentor Guide - Gr. K-5 (\$4.50)*

07904, *Leadership Mentor Guide - Gr. 6-12 (\$4.50)*

Webpage: [4h.uwex.edu/onlinpro/leadership.cfm](http://4h.uwex.edu/onlinpro/leadership.cfm)

#### 10201 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

Resource:

07905, *My Leadership Workbook - Gr. 3-5 (\$3.75)*

**If you are in grades 8-12 and wish to be a part of the Door County Junior Leaders, please sign up for the Youth Leadership Project -- 10202 or 10203.**

#### 10202 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

Resource:

07906, *My Leadership Journal - Gr. 6-8 (\$3.75)*

#### 10203 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

Resource:

07907, *My Leadership Portfolio - Gr. 9-12 (\$3.75)*

#### 10209 YOUTH LEADERSHIP YTH LDR



### YOUNGER MEMBERS

#### 10300 EXPLORING LDR

Resources:

08172, *Exploring Treasures of 4-H Helper's Guide (\$9.75)*

06350, *Exploring Farm Animals Helper's Guide (\$3.75)*

Webpage: [4h.uwex.edu/onlinpro/exploring.cfm](http://4h.uwex.edu/onlinpro/exploring.cfm)

#### 10301 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

Grades: 3-4

Resource:

08171, *Exploring the Treasures of 4-H (\$3.75)*

#### 10309 EXPLORING YTH LDR

### CLOVERBUDS

(for children in grades 1 & 2)



#### 10350 CLOVERBUD LDR

Resources:

4H414, *Helping Youth Grow into 4-H (\$0.50)*

Webpage: <http://4h.uwex.edu/onlinpro/cloverbuds.cfm>

**Also available for fee stated:**

BU6842, *Aerospace 1 - Pre-Flight (\$3.00)*

BU7503, *Bicycling Adventures-Level 1 (\$3.50)*

BU8070, *Theater Arts 1 - Play The Role (\$3.50)*

BU6875, *Woodworking 1-Measuring Up (\$3.50)*

#### 10351 CLOVERBUDS

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

Resources:

05561, *Cloverbuds – Activity Sheets (\$2.00)*

05562, *Cloverbuds – Program Record (\$0.50)*

05563, *Cloverbuds – Participation Summary (\$0.50)*

#### 10359 CLOVERBUDS YTH LDR

## CITIZENSHIP

### **10800 CITIZENSHIP LDR**

Resource: 08154, *Citizenship Guide's Handbook* (**\$3.50**)

Webpage: [4h.uwex.edu/onlinpro/citizenship.cfm](http://4h.uwex.edu/onlinpro/citizenship.cfm)

### **10801 CITIZENSHIP**

What you can do in this project:

- Discover and discuss public issues
- Plan a project that will create, change or improve your community

Grades: 4-12

Resource: 08153, *Citizenship Adventure Kit* (**\$5.75**)

### **10809 CITIZENSHIP YTH LDR**

## SELF-DETERMINED

### **10900 SELF-DETERMINED LDR**

Webpage: [4h.uwex.edu/onlinpro/selfdetermined.cfm](http://4h.uwex.edu/onlinpro/selfdetermined.cfm)

### **10901 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

Resource: 4H272, *Designing Your Own Project* (**\$50**)

### **10909 SELF-DETERMINED YTH LDR**

## ANIMAL SCIENCES



### **20100 BEEF LDR**

Resources:

08146, *Beef Helper's Guide* (**\$3.50**)

117R, *Beef Resource Handbook* (**available from www.ohcms.org or \$15.00**)

Webpage: [4h.uwex.edu/onlinpro/beef.cfm](http://4h.uwex.edu/onlinpro/beef.cfm)

### **20101 BEEF 1**

What you can do in this project:

- Identify various beef breeds
- Identify parts of a beef animal
- Judge beef cattle
- Halter-break a calf, fit a steer, show a calf
- Recognize and raise a healthy animal

Grades: 3-5

Resources:

08143, *Bite Into Beef* (**\$3.50**)

4H450, *Judging Breeding & Market Cattle* (**\$50**)

MA, *Meat Animal Project Record* (**\$25**)

### **20102 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

Resources:

08144, *Here's the Beef* (**\$3.50**)

MA, *Meat Animal Project Record* (**\$25**)

### **20103 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

Resources:

08145, *Leading the Charge* (**\$3.50**)

MA, *Meat Animal Project Record* (**\$25**)

### **20109 BEEF YTH LDR**

### **20150 DAIRY GOAT LDR**

Resource: 08355, *Dairy Goat Helper's Guide* (**\$3.50**)

Webpage: [4h.uwex.edu/onlinpro/goats.cfm](http://4h.uwex.edu/onlinpro/goats.cfm)

### **20151 DAIRY GOAT 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

Resource: 08352, *Getting Your Goat* (**\$3.50**)

### **20152 DAIRY GOAT 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

Resource: 08353, *Stepping Out* (**\$3.50**)



### **20153 DAIRY GOAT 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

Resource: 08354, *Showing the Way* (**\$3.50**)

### **20159 DAIRY GOAT YTH LDR**

## 20200 DAIRY LDR

Resource: 08164, *Dairy Cattle Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/dairy.cfm](http://4h.uwex.edu/onlinpro/dairy.cfm)

## 20201 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

Resources:

08161, *Cowabunga* (\$3.50)

LDR, *Lifetime Dairy Record* (\$.25)

MPA, *Wisconsin 4-H Managerial Project Agreement* (\$.25)

CANADA1, *Showmanship...Leading to Win* (\$1.50)

CANADA2, *Preparing to Lead* (\$4.00)

**Order on your own:**

*Dairy Cattle Judging Made Easy – Interactive CD*  
(\$25 - available from [babcock.cals.wisc.edu](http://babcock.cals.wisc.edu))

## 20202 DAIRY 2

What you can do in this project:

- Learn about housing and hay quality
- Learn about milking and food safety
- Explore ways to keep an animal healthy
- Observe animal behavior

Grades: 6-8

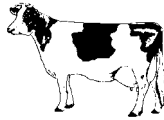
Resources:

08162, *Mooving Ahead* (\$3.50)

LDR, *Lifetime Dairy Record* (\$.25)

MPA, *Wisconsin 4-H Managerial Project Agreement* (\$.25)

*The Rules are Black and White* (\$1.00)



## 20203 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

Resources:

08163, *Rising to the Top* (\$3.50)

HMR, *WI 4-H Dairy Heifer Mgmt. Record* (\$.25)

LDR, *Lifetime Dairy Record* (\$.25)

MPA, *Wisconsin 4-H Managerial Project Agreement* (\$.25)

## 20209 DAIRY YTH LDR

## 20300 HORSE/HORSELESS HORSE LDR

Resource: 08058, *Horse Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinpro/horses.cfm](http://4h.uwex.edu/onlinpro/horses.cfm)

## 20301 HORSES 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

Resources:

08053, *Giddy Up & Go* (\$3.75)

**Optional:**

CO200, *Horses & Horsemanship* (\$3.00)

CO201, *Horse Science* (\$3.00)

4H180, *Pleasure Riding* (\$.50)



## 20302 HORSES 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

Resource: 08054, *Head, Heart & Hooves* (\$3.75)

## 20303 HORSES 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

Resource: 08055, *Stable Relationships* (\$3.75)

## 20304 HORSES 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

Resource: 08056, *Riding the Range* (\$3.75)

## 20305 HORSES 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

Resource: 08057, *Jumping to New Heights* (\$3.75)

### 20306 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

Resource: 08053, *Giddy Up & Go* (\$3.75)

### 20307 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

Resource: 08054, *Head, Heart & Hooves* (\$3.75)



### 20308 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

Resource: 08055, *Stable Relationships* (\$3.75)

### 20309 HORSE/HORSELESS HORSE YTH LDR

#### 20380 CLOTHES HORSE LDR

Resource: 4H360, *4-H Clothes Horse Activity Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinpro/horses.cfm](http://4h.uwex.edu/onlinpro/horses.cfm)

#### 20381 CLOTHES HORSE

What you can do in this project:

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

Grades: 3-12

Resources:

4H374, *Additional Patterns for Clothes Horse* (\$1.25)

4H389, *Horse & Riding Attire* (\$1.00)

### 20400 SWINE LDR

Resources:

08068, *Swine Helper's Guide* (\$3.75)

490XX, *Swine Resource Handbook* (available from [www.ohcms.org](http://www.ohcms.org) for \$15.00)

Webpage: [4h.uwex.edu/onlinpro/swine.cfm](http://4h.uwex.edu/onlinpro/swine.cfm)



### 20401 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

Resources:

08065, *The Incredible Pig* (\$3.75)

4H412, *Judging Breeding & Market Swine* (\$.25)  
MA, *Meat Animal Project Record* (\$.25)

### 20402 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

Resources:

08066, *Putting the Oink in the Pig* (\$3.75)  
MA, *Meat Animal Project Record* (\$.25)

### 20403 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

Resources:

08067, *Going Whole Hog* (\$3.75)

MA, *Meat Animal Project Record* (\$.25)

### 20409 SWINE YTH LDR

#### 20500 POULTRY LDR

Resource: 06366, *Poultry Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/poultry.cfm](http://4h.uwex.edu/onlinpro/poultry.cfm)

#### 20501 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

Resources:

06363, *Scratching the Surface* (\$3.50)

MA, *Meat Animal Project Record* (\$.25)

**Optional:**

CIR878, *From Egg to Chick* (\$6.00)



## 20502 POULTRY 2

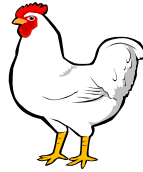
What you can do in this project:

- Observe a healthy flock
- Select and judge broilers
- Discover how an egg is formed
- Prevent poultry diseases
- Discover how chicks imprint

Grades: 6-8

Resources:

- 06364, *Testing Your Wings* (**\$3.50**)  
4H281, *Poultry for Fun & Food* (**\$.50**)  
A2880, *Chicken Breeds & Varieties* (**\$1.00**)  
MA, *Meat Animal Project Record* (**\$.25**)



## 20503 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

Resources:

- 06365, *Flocking Together* (**\$3.50**)  
MA, *Meat Animal Project Record* (**\$.25**)

## 20504 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

Resources:

- A3311, *Raising Waterfowl* (**\$3.50**)  
MA, *Meat Animal Project Record* (**\$.25**)



## 20505 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

Resources:

- NCR060, *Small Turkey Flock Management* (**\$1.00**)  
MA, *Meat Animal Project Record* (**\$.25**)

## 20506 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

Resources:

- NCR209, *Bantams* (**\$1.00**)  
MA, *Meat Animal Project Record* (**\$.25**)

## 20507 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

Resource: 4H135, *Pigeons* (**\$.50**)

## 20509 POULTRY YTH LDR

## 20600 SHEEP LDR

Resources:

- 06370, *Sheep Helper's Guide* (**\$3.50**)  
496XX, *Sheep Resource Handbook* (**available from**  
**[www.ohcms.org](http://www.ohcms.org) for \$15.00**)

Webpage: [4h.uwex.edu/onlinepro/sheep.cfm](http://4h.uwex.edu/onlinepro/sheep.cfm)

## 20601 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

Resources:

- 06367, *Lambs, Rams and You* (**\$3.50**)  
4H421, *Judging Breeding & Market Sheep* (**\$.50**)  
MA, *Meat Animal Project Record* (**\$.25**)

## 20602 SHEEP 2

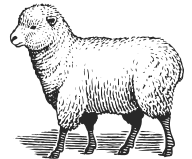
What you can do in this project:

- Learn to identify sheep parasites
- Promote meat safety
- Judge wool
- Diagnose sheep diseases
- Use medications safely
- Explore careers

Grades: 6-8

Resources:

- 06368, *Shear Delight* (**\$3.50**)  
MA, *Meat Animal Project Record* (**\$.25**)



## 20603 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

Resources:

- 06369, *Leading the Flock* (**\$3.50**)  
MA, *Meat Animal Project Record* (**\$.25**)

## 20609 SHEEP YTH LDR

### 20650 CATS LDR

Resource: 08151, *Cat Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/cats.cfm](http://4h.uwex.edu/onlinpro/cats.cfm)



### 20651 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

Resource: 08148, *Purr-fect Pals* (\$3.50)

### 20652 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

Resource: 08149, *Climbing Up!* (\$3.50)

### 20653 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

Resource: 08150, *Leaping Forward* (\$3.50)

### 20659 CATS YTH LDR

### 20700 DOGS LDR

Resources:

08169 *Dog Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/dogs.cfm](http://4h.uwex.edu/onlinpro/dogs.cfm)



### 20701 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

Resources:

08166, *Wiggles and Wags* (\$3.50)

4H436, *The Basics of Training Your Dog* (\$1.00)

4H458, *4-H Dog Judging Guidelines* (\$.75)

### 20702 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

Resources:

08167, *Canine Connection* (\$3.50)

4H439, *Dog Obedience – Novice & Beyond* (\$1.25)

### 20703 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

Resources:

08168, *Leading the Pack* (\$3.50)

4H437, *A Guide to Showmanship* (\$.75)

### 20709 DOGS YTH LDR



### 20750 RABBITS LDR

Resource: 08083, *Rabbit Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinpro/rabbits.cfm](http://4h.uwex.edu/onlinpro/rabbits.cfm)

### 20751 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

Resource: 08080, *What's Hoppening?* (\$3.75)

### 20752 RABBITS 2

What you can do in this project:

- Learn to select show rabbits
- Give oral reasons and judge rabbits
- Learn to tattoo and keep records of animals
- Detect diseases

Grades: 6-8

Resource: 08081, *Making Tracks* (\$3.75)

### 20753 RABBITS 3

What you can do in this project:

- Learn about breeding and genetics
- Design a rabbitry and marketing rabbits
- Learn about disease prevention and rabbit registration

Grades: 9-12

Resource: 08082, *All Ears* (\$3.75)

### 20759 RABBITS YTH LDR

## 20800 VETERINARY SCIENCE LDR

Resources:

- 08051, *Veterinary Science Helper's Guide* (\$3.75)
- 4H192, *Veterinary Science* (\$5.00)
- 4H323, *The Normal Animal* (\$1.00)

Webpage: [4h.uwex.edu/onlinpro/vetscience.cfm](http://4h.uwex.edu/onlinpro/vetscience.cfm)

## 20801 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

Resources:

- 08048, *From Airedales to Zebras* (\$3.75)
- 4H334, *Adventure Notebook* (\$2.50)
- 4H131, *The Normal Animal* (\$2.50)



## 20802 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

Resources:

- 08049, *All Systems Go* (\$3.75)
- 4H048, *Animal Disease* (\$6.00)

## 20803 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

Resources:

- 08050, *On the Cutting Edge* (\$3.75)
- 4H133, *Animal Health* (\$3.75)

## 20809 VETERINARY SCIENCE YTH LDR

### 20861 CAVIES (\$.25)

### 20871 CAGE BIRDS (\$.25)



## 20900 PETS LDR

Resource: 06362, *Pet Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/pets.cfm](http://4h.uwex.edu/onlinpro/pets.cfm)

## 20901 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

Resource: 06359, *Pet Pals* (\$3.50)



## 20902 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

Resource: 06360, *Scurrying Ahead* (\$3.50)

## 20903 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

Resource: 06361, *Scaling the Heights* (\$3.50)

## 20909 PETS YTH LDR

## ARTS & COMMUNICATION



## 30000 PHOTOGRAPHY LDR

Webpage: [4h.uwex.edu/onlinpro/photography.cfm](http://4h.uwex.edu/onlinpro/photography.cfm)

## 30001 PHOTOGRAPHY 1

What you can do in this project:

- 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

Resource: PC1, *Focus on Photography* (\$4.00)

## 30002 PHOTOGRAPHY 2

What you can do in this project:

- Learn about camera adjustments
- Learn about film speed, shutter speed and aperture
- Take silhouettes, candid, action shots and others

Grades: 6-8

Resource: PC2, *Controlling the Image* (\$4.00)

### 30003 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

Resource: PC3, *Mastering Photography* (\$4.00)

### 30005 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

Resource: IS401, *Action! Making Videos & Movies* (\$1.50)

### 30009 PHOTOGRAPHY YTH LDR

### 30100 COMMUNICATIONS LDR

Resources:

- BU8159, *Communications Helper's Guide* (\$3.95)
- COMM07, *Communication Activities for 4-H Clubs* (\$6.50)

Webpage: [4h.uwex.edu/onlinpro/communications.cfm](http://4h.uwex.edu/onlinpro/communications.cfm)

### 30101 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

Resource: 08156, *Picking Up the Pieces* (\$3.95)

### 30102 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

Resources:

- 08157, *Putting It Together* (\$3.95)
- COMM04, *Voices From the Past* (\$4.00)
- COMM05, *It's All in the Family* (\$5.00)

### 30103 COMMUNICATIONS 3

What you can do in this project:

- Polish your communication skills
- Develop a public presence by speaking in public
- Explore communication careers
- Write resumes and interview for a job
- Develop presentations

Grades: 9-12

Resource: 08158, *The Perfect Fit* (\$3.95)



### 30120 SPEAKING LDR



### 30121 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

Resources:

- COMM02, *4-H Public Speakers Handbook* (\$4.50)
- COMM06, *4-H Public Speaking Opportunities* (\$4.00)

### 30129 SPEAKING YTH LDR

### 30141 CREATIVE WRITING

Grades: 3-12

Resources:

- COMM01, *Creative Wordworking* (\$4.75)
- COMM03, *Crazy About Books Reading Circle* (\$4.00)



### 30300 ARTS/CRAFTS LDR

Resource: 07597, *Arts & Crafts – A Palette of Fun* (\$15.00 - office copy [may check out])

Webpage: [4h.uwex.edu/onlinpro/artsandcrafts.cfm](http://4h.uwex.edu/onlinpro/artsandcrafts.cfm)

### 30301 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

Resources:

- 23112, *Elements and Principles of Design Card* (\$1.00)

### 30302 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

Resources:

- 08140, *Advanced Visual Arts: Sketchbook Crossroads* (\$7.50)
- 08141, *Advanced Visual Arts: Portfolio Pathways* (\$7.50)

### 30309 ARTS/CRAFTS YTH LDR

### 30310 LEATHERCRAFT LDR

Resource: CIR006, *Adventures in Leathercraft* (\$50)

Webpage: [4h.uwex.edu/onlinpro/leathercraft.cfm](http://4h.uwex.edu/onlinpro/leathercraft.cfm)

### 30311 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

Resource: 4H149, *Adventures in Leathercraft* (\$1.50)

### 30319 LEATHERCRAFT YTH LDR

### 30320 STENCIL PAINTING LEADER

### 30321 STENCIL PAINTING (\$.25)

### 30330 BLOCK PRINTING LDR

Resource: CIR008, *Block Printing* (\$.25)

Webpage: [4h.uwex.edu/onlinpro/blockprinting.cfm](http://4h.uwex.edu/onlinpro/blockprinting.cfm)

### 30331 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

Resource: 4H156, *Block Printing* (\$1.25)

### 30339 BLOCK PRINTING YTH LDR

### 30340 METAL ENAMELING LDR

Resource: CIR009, *Metal Enameling* (\$.25)

Webpage: [4h.uwex.edu/onlinpro/metalenameling.cfm](http://4h.uwex.edu/onlinpro/metalenameling.cfm)

### 30341 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

Resource: 4H158, *Metal Enameling* (\$1.00)

### 30349 METAL ENAMELING YTH LDR

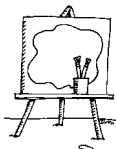
### 30350 DRAWING & PAINTING LDR

Webpage: [4h.uwex.edu/onlinpro/drawing.cfm](http://4h.uwex.edu/onlinpro/drawing.cfm)

### 30351 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
- Paint with oil and acrylics
- Mix colors, mat and frame your artwork

Grades: 3-12

Resource: 4H169, *Drawing & Painting* (\$1.50)

### 30359 DRAWING & PAINTING YTH LDR

### 30461 MACRAMÉ (\$.25)

### 30471 BASKETRY (\$.25)



### 30481 CREATIVE STITCHERY (\$.25)

### 30561 CERAMICS (\$.25)



### 30700 THEATRE ARTS LDR

Resource: 08073, *Theatre Arts Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinpro/theatre.cfm](http://4h.uwex.edu/onlinpro/theatre.cfm)

### 30701 THEATRE ARTS 1

What you can do in this project:

- Study acting from sound, movement, voice and speech
- Learn different ways to play a scene
- Try pantomime, clowning and improvisation

Grades: 3-5

Resource: 08070, *Play the Role* (\$3.75)

### 30702 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

Resource: 08071, *Become a Puppeteer!* (\$3.75)

### 30703 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

Resource: 08072, *Set the Stage* (\$3.75)

### 30709 THEATRE ARTS YTH LDR

## 30710 CLOWNING LDR

### 30711 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

Resource: 4H265, *Enter the Clowns* (\$3.75)

### 30719 CLOWNING YTH LDR



### 30800 COMPUTERS LDR

Resource: 08349, *Teens Teaching Tech* (\$3.75)

Webpage: [4h.uwex.edu/onlinepro/computer.cfm](http://4h.uwex.edu/onlinepro/computer.cfm)

### 30801 COMPUTERS 1

What you can do in this project:

- Learn about hardware, software and various applications
- Explore how they work, what are the components
- Learn the various programs and their features
- Participation is supported by an interactive website

Grades: 3-5

Resource: 08346, *Newbie Know How* (\$3.75)

### 30802 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

Resource: 08347, *Inside the Box* (\$3.75)

### 30803 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

Resource: 08348, *Peer to Peer* (\$3.75)

### 30809 COMPUTERS YTH LDR



## FAMILY, HOME & HEALTH

### 40100 CHILD DEVELOPMENT LDR

Resource: 08078, *Child Development Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinepro/childdev.cfm](http://4h.uwex.edu/onlinepro/childdev.cfm)

### 40101 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

Resource: 08075, *On My Own* (\$3.75)

### 40102 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, prepare healthy meals
- Check for safety hazards

Grades: 5-6

Resource: 08076, *Growing With Others* (\$3.75)

### 40103 CHILD DEVELOPMENT 3

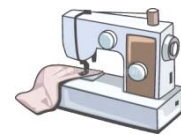
What you can do in this project:

- 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

Resource: 08077, *Growing in Communities* (\$3.75)

### 40109 CHILD DEVELOPMENT YTH LDR



### 40200 CLOTHING LDR

Resource: 08063, *Sewing Expressions Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinepro/clothing.cfm](http://4h.uwex.edu/onlinepro/clothing.cfm)

### 40201 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, sew and clip a seam
- Sort clothes for laundry, remove stains
- Donate a sewing project

Grades: 3-5

Resources:

08060, *Under Construction* (\$3.75)

07198, *Let's Sew! Beginner's Sewing Guide* (\$8.00)

### 40202 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

Resource: 08061, *Fashion Forward* (\$3.75)

### 40203 CLOTHING 3

What you can do in this project:

- Use specialized sewing tool 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

Resource: 08062, *Refine Design* (\$3.75)

### 40209 CLOTHING YTH LDR

### 40300 CROCHETING LDR

Webpage: [4h.uwex.edu/onlinpro/crocheting.cfm](http://4h.uwex.edu/onlinpro/crocheting.cfm)

### 40301 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

Resource: CC1403, *Crochet Made Easy* (\$4.50)

### 40309 CROCHETING YTH LDR

### 40390 CAKE DECORATING LEADER (same as member material)

### 40391 CAKE DECORATING (\$.25)

### 40400 FOODS & NUTRITION LDR

Resource: 07730, *Foods Curriculum Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/foodsnutrition.cfm](http://4h.uwex.edu/onlinpro/foodsnutrition.cfm)

### 40401 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

Resource: 07144, *Six Easy Bites* (Level A) (\$4.00)

### 40402 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

Resource: 07146, *Tasty Tidbits* (Level B) (\$4.00)

### 40403 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

Resource: 07148, *You're the Chef* (Level C) (\$4.00)

### 40404 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

Resource: 07150, *Foodworks* (Level D) (\$4.00)

### 40409 FOODS & NUTRITION YTH LDR

### 40410 MICROWAVE MAGIC LEADER

Resource: BU8091, *Group Activity Helper's Guide* (\$4.00)

### 40411 MICROWAVE MAGIC 1

- Understand how the microwave works
- Learn to use the microwave safely
- Learn to prepare foods such as scrambled eggs, apples, popcorn treats, fudge and desserts.

Resource: BU8087, *Bag of Tricks* (\$4.00)

### 40412 MICROWAVE MAGIC 2

- Understand watts
- Learn to prepare foods such as potatoes, vegetables, pudding bar cookies, beans, upside down cake and brownies

Resource: BU8088, *Micro Magicians* (\$4.00)

### 40413 MICROWAVE MAGIC 3

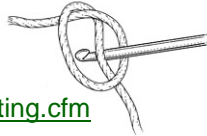
- Advanced level
- Focus is on microwave techniques such as shielding, defrosting and browning

Resource: BU8089, *Amazing Rays* (\$4.00)

### 40414 MICROWAVE MAGIC 4

- The most advanced level
- Focuses on techniques such as adapting recipes for the microwave, blanching fruits and vegetables and stacking whole meals

Resource: BU8090, *Pesto Meals* (\$4.00)



## 40500 FOODS PRESERVATION LDR

Webpage: [4h.uwex.edu/onlinpro/foodsnutrition.cfm](http://4h.uwex.edu/onlinpro/foodsnutrition.cfm)

### 40501 FOODS PRESERVATION

What you can do in this project:

- Learn the basics of preserving food safely
- Use UW-Extension Safe Food Preservation Series

Grades: 6-12

Resources available from: <http://learningstore.uwex.edu>:

- BO430, *Canning Fruits Safely*
- B1159, *Canning Vegetables Safely*
- B2267, *Homemade Pickles and Relishes*
- B2605, *Tomatoes Tart and Tasty*
- B2909, *Making Jams, Jellies and Fruit Preserves*
- B3278, *Freezing Fruits and Vegetables*
- B3345, *Canning Meat, Wild Game, Poultry and Fish Safely*
- B3570, *Canning Salsa Safely*

*These preservation publications were revised in 2008*



### 40509 FOODS PRESERVATION YTH LDR

### 40650 PERSONAL FINANCE LDR

Resource: 07712, *Financial Champions Helper's Guide* (\$4.25)

### 40651 PERSONAL FINANCE 1

What you can do in this project:

- Learn money management skills
- Learn how to live on a budget

Grades: 6-8

Resource: 07710, *Money FUNdamentals* (\$3.95)



### 40652 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

Resource: 07711, *Money Moves* (\$3.95)

### 40659 PERSONAL FINANCE YTH LDR

### 40700 HOME ENVIRONMENT LDR

Webpage: [4h.uwex.edu/onlinpro/homeenv.cfm](http://4h.uwex.edu/onlinpro/homeenv.cfm)

### 40701 HOME ENVIRONMENT 1

What you can do in this project:

- Learn about home care
- Learn to sand and finish a simple wood item
- Make small home decorative items for the home
- Explore the world of home interior design

Grades: 3-5

Resource: 4H425, *Exploring Your Home* (\$1.50)

### 40702 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

Resource: 4H426, *Living With Others* (\$1.50)

### 40703 HOME ENVIRONMENT 3

What you can do in this project:

- Learn the principles of home design
- Learn scale, balance and proportion in home design
- Use the principles of design to arrange your home
- Create storage centers, restore furniture
- Create a welcoming environment outside your home

Grades: 8-9

Resource: 4H427, *Where I Live* (\$1.75)

### 40704 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

Resource: 4H465, *In My Home* (\$1.75)

### 40709 HOME ENVIRONMENT YTH LDR

### 40800 KNITTING LDR

Webpage: [4h.uwex.edu/onlinpro/knitting.cfm](http://4h.uwex.edu/onlinpro/knitting.cfm)

### 40801 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

Resource: CC1402, *Knitting Made Easy* (\$4.50)

### 40809 KNITTING YTH LDR

### 40900 HEALTH LDR

Webpage: [4h.uwex.edu/onlinpro/health.cfm](http://4h.uwex.edu/onlinpro/health.cfm)

### 40901 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

Resource: 08174, *First Aid in Action* (\$4.00)



## 40902 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

Resource: 08175, *Staying Healthy* (\$4.00)

## 40903 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

Resource: 08176, *Keeping Fit* (\$4.00)

## 40909 HEALTH YTH LDR

### MECHANICAL SCIENCES

## 50000 AEROSPACE LDR

Resource: 06846, *Aerospace Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/aerospace.cfm](http://4h.uwex.edu/onlinpro/aerospace.cfm)

## 50001 AEROSPACE 1

What can I do in this project:

- Build an introductory level rocket
- Compare birds and airplanes
- Make a space helmet

Grades: 3

Resource: 06842, *Pre-Flight* (\$3.50)



## 50002 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: 4-5

Resource: 06843, *Lift Off* (\$3.50)

## 50003 AEROSPACE 3

What you can do in this project:

- Build, exhibit, and launch model rockets
- Test a paper hang glider
- Make a flight simulator, demo why rockets fly
- Organize a kite-flying contest

Grades: 6-8

Resource: 06844, *Reaching New Heights* (\$3.50)

## 50004 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

Resource: 06845, *Pilot in Command* (\$3.50)

## 50009 AEROSPACE YTH LDR

## 50200 BICYCLING LDR

Resources:

08336, *Bicycle Helper's Guide* (\$3.50)

087507, *Bicycle Fix It!* (DVD or Video) (for loan only)

Webpage: [4h.uwex.edu/onlinpro/bicycling.cfm](http://4h.uwex.edu/onlinpro/bicycling.cfm)

## 50201 BICYCLING 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

Resource: 08334, *Bicycling for Fun* (\$3.50)

## 50202 BICYCLING 2

What you can do in this project:

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

Grades: 4-6

Resource: 08335, *Wheels in Motion* (\$3.50)

## 50209 BICYCLING YTH LDR



## 50300 ELECTRICITY LDR

Resource: 06852, *Electric Excitement Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/electricity.cfm](http://4h.uwex.edu/onlinpro/electricity.cfm)

## 50301 ELECTRICITY 1

What you can do in this project:

- Understand how to use electricity
- Identify electrical materials, build a flashlight
- Build and test a switch, wire a simple circuit
- Build and test a compass, build an electric motor

Grades: 4-5

Resource: 06848, *Magic of Electricity* (\$3.50)

## 50302 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

Resource: 06849, *Investigating Electricity* (\$3.50)

## 50303 ELECTRICITY 3

What can I do in this project:

- Develop a basic electrical tool and supply kit
- Understand the symbols on wires and cables
- Replace a wall switch, locate your home wiring system

Grades: 8-9

Resource: 06850, *Wired for Power* (\$3.50)

### 50304 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
- Use a photocell to activate an alarm
- Build an amplifier to power a speaker

Grades: 10-12

Resource: 06851, *Entering Electronics* (\$3.50)

### 50309 ELECTRICITY YTH LDR

### 50370 GEOSPATIAL LDR

Webpage: [4h.uwex.edu/onlinpro/geospacial.cfm](http://4h.uwex.edu/onlinpro/geospacial.cfm)



### 50371 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

Resource: CD8358, *Exploring Spaces, Going Places CD* ("Getting Out" section) (\$10.00)

### 50372 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

Resource: CD8358, *Exploring Spaces, Going Places CD* ("On the Trail" section) (\$10.00)

### 50373 GEOSPATIAL 3

- What you can do in this project:
- Use multilayered maps to attempt to solve problems
- Find ways to reduce traffic congestion
- Pinpoint pollution sources

Grades: 4-12

Resource: CD8358, *Exploring Spaces, Going Places CD* ("Reaching Your Destination" section) (\$10.00)

### 50379 GEOSPATIAL YTH LDR

### 50380 ROBOTICS LDR

Webpage: <http://4h.uwex.edu/onlinpro/robotics.cfm>

Resources: 08434, Robotics Platform Tracks DVD (\$9.95)



### 50381 ROBOTICS 1 - Give Robots a Hand

Youth explore and learn about robot arms. Concepts covered include pneumatics, arm designs, and three-dimensional space. Big ideas include form and function, scientific habits of mind, and engineering design.

Resources: 08431, *Junk Drawer Robotics Track Level 1: Give Robots a Hand* (\$7.95)

08435, 4-H Robotics Youth Notebook (\$5.95)  
08430, Virtual Robotics Track DVD (\$9.95)

### 50382 ROBOTICS 2 - Robots on the Move

In this project you will learn about robots that move with legs, wheels and underwater. You will also learn the concepts on friction, basic electrical power and motors, engineering constraints, gear system and bouyancy. You will be challenged to build robots from everyday items.

Resources: 08432, *Junk Drawer Robotics Track Level 2: Robots on the Move* (\$7.95)

08435, 4-H Robotics Youth Notebook (\$5.95)

08430, Virtual Robotics Track DVD (\$9.95)

### 50283 ROBOTICS 3 - Mechatronics

In this project you will explore robot sensors and analog and digital systems. You will build basic circuits to see how the components work. You will investigate basic elements of programming and instructions for robotics computer control.

Resources: 08432, *Junk Drawer Robotics Track Level 3: Mechatronics* (\$9.95)

08435, 4-H Robotics Youth Notebook (\$5.95)

08430, Virtual Robotics Track DVD (\$9.95)

### 50389 ROBOTICS YTH LDR



### 50500 SMALL ENGINES LDR

Resource: 08189, *Small Engines Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/engine.cfm](http://4h.uwex.edu/onlinpro/engine.cfm)

### 50501 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 & safety issues

Grades: 3-5

Resource: 08186, *Crank It Up!* (\$3.50)

### 50502 SMALL ENGINES 2

What you can do in this project:

- Explore the internal parts of engines
- Learn engine sizes, safety issues
- Explore different jobs related to small engines

Grades: 6-8

Resource: 08187, *Warm It Up!* (\$3.50)

### 50503 SMALL ENGINES 3

What you can do in this project:

- Tear down and rebuild an engine
- Learn to use diagnostic tools
- Research rules & regulations using small engines

Grades: 9-12

Resource: 08188, *Tune It Up!* (\$3.50)

### 50509 SMALL ENGINES YTH LDR

## 50600 SCALE MODELS LDR

Webpage: [4h.uwex.edu/onlinpro/scalemodels.cfm](http://4h.uwex.edu/onlinpro/scalemodels.cfm)

### 50601 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

Resource: 4H424, *Guidelines for Building Scale Models* (\$2.25)

### 50609 SCALE MODELS YTH LDR

### 50700 TRACTORS LDR

Webpage: [4h.uwex.edu/onlinpro/tractors.cfm](http://4h.uwex.edu/onlinpro/tractors.cfm)

#### 50701 TRACTORS 1

What you can do in this project:

- Learn and identify parts of the tractor, tractor maintenance
- Learn about different fuels and engine cooling systems
- Research different safety features and learn safety rules

Grades: 3-4 (little or no experience)

Resource: 4H961, *Starting Up: Getting to Know Your Tractor* (\$5.00)

#### 50702 TRACTORS 2

What you can do in this project:

- Practice farm and tractor safety
- Understand the mechanics of engines
- Identify accessory equipment
- Learn the functions of different operational systems

Grades: 5-6 (little or no experience)

Resource: 4H962, *Tractor Operations: Gearing Up for Safety* (\$5.00)

#### 50703 TRACTORS 3

What you can do in this project:

- Learn types of oil systems and fuel safety
- Learn how to hook on a PTO unit
- Learn tractor and machinery maintenance

Grades: 7-9 (some prior experience)

Resource: 4H963, *Moving Out: Learning About Your Tractor & Farm Machinery* (\$5.00)

#### 50704 TRACTORS 4

What you can do in this project:

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

Grades: 10-12 (some prior experience)

Resource: 4H964, *Learning More: Learning About Agricultural Tractors & Equipment* (\$5.00)

### 50709 TRACTORS YTH LDR



## 50800 WOODWORKING LDR

Resource: 06879, *Woodworking Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/wood.cfm](http://4h.uwex.edu/onlinpro/wood.cfm)

### 50801 WOODWORKING 1

What you can do in this project:

- Learn safety practices when working with wood and tools
- Use various hand tools: hammer, handsaw
- Identify types of nails and wood
- Sand and paint a piece of wood

Grades: 3-4

Resource: 06875, *Measuring Up* (\$3.50)



### 50802 WOODWORKING 2

What you can do in this project:

- Identify functions of various tools
- Practice safety techniques
- Select a project to build (birdhouse, foot stool)
- Use a screwdriver and combination square

Grades: 4-6

Resource: 06876, *Making the Cut* (\$3.50)

### 50803 WOODWORKING 3

What you can do in this project:

- Compare different types of hinges
- Enlarge scale-drawn woodworking plans
- Use a hand plane, build a laminated cutting board
- Compare different grades of plywood

Grades: 6-8

Resource: 06877, *Nailing It Together* (\$3.50)

### 50804 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

Resource: 06878, *Finishing Up* (\$3.50)

### 50809 WOODWORKING YTH LDR

## NATURAL RESOURCES & ENVIRONMENTAL EDUCATION



### 60000 EXPLORING YOUR ENVIRONMENT LDR

Resources:

07707, *Exploring Your Environment Helper's Guide* (\$4.25)

PUB-CE-456, *Education Connection* (\$2.25)

PUBL-ER-001, *Endangered/Threatened Species* (\$2.25)

4-H 340, *Getting to Know Birds*

Webpage: [4h.uwex.edu/onlinpro/naturespace.cfm](http://4h.uwex.edu/onlinpro/naturespace.cfm)

### 60001 EXPLORING YOUR ENVIRONMENT 1

What you can do in this project:

- Explore the four elements of life: sun, air, water, 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

Resource: 07704, *Eco-Wonders* (\$4.25)

### 60002 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

Resource: 07705, *Eco-Adventures* (\$4.25)

### 60003 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

Resource: 07706, *Eco-Actions* (\$4.25)

### 60005 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

Resource: 4H392, *Wildflowers* (\$3.00)

Webpage: [4h.uwex.edu/onlinpro/wildflowers.cfm](http://4h.uwex.edu/onlinpro/wildflowers.cfm)

### 60009 EXPLORING YOUR ENVIRONMENT YTH LDR



### 60050 FORESTRY LDR

Resource: 08041, *Forestry Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinpro/forestry.cfm](http://4h.uwex.edu/onlinpro/forestry.cfm)

### 60051 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

Resource: 08038, *Follow the Path* (\$3.75)

### 60052 FORESTRY 2

What you can do in this project:

- Learn how trees move water from soil to canopy
- Diagram a leaf, analyze fire risk
- Understand major forest changes and their impact
- Select urban tree planting sites

Grades: 6-8

Resource: 08039, *Reach for the Canopy* (\$3.75)

### 60053 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

Resource: 08040, *Explore the Deep Woods* (\$3.75)

### 60059 FORESTRY YTH LDR

### 60100 ADVENTURES LDR

Resource: 4H443, *4-H Adventure Project* (\$1.25)

Webpage: [4h.uwex.edu/onlinpro/adventures.cfm](http://4h.uwex.edu/onlinpro/adventures.cfm)

### 60101 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

Resource: 4H444, *Introduction to Adventures* (\$4.00)

### 60102 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
- Experience a winter overnight campout
- Discover how trees and plants prepare for winter

Grades: 3-12

Resource: 4H448, *4-H Adventure Project – Winter Travel* (\$3.00)

Webpage: [4h.uwex.edu/onlinpro/wintertravel.cfm](http://4h.uwex.edu/onlinpro/wintertravel.cfm)

### 60103 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

Resource: 4H447, *4-H Adventure Project – Canoeing* (\$3.00)

Webpage: [4h.uwex.edu/onlinpro/canoeing.cfm](http://4h.uwex.edu/onlinpro/canoeing.cfm)

### 60104 BICYCLING



What you can do in this project:

- Learn how and where to bicycle safely
- Plan a bicycle camping trip
- Design and build a bicycle obstacle course
- Conduct a bike maintenance check

Grades: 3-12

Resource: 4H446, *4-H Adventure Project – Bicycling* (\$2.75)

Webpage: [4h.uwex.edu/onlinpro/bicyclingnr.cfm](http://4h.uwex.edu/onlinpro/bicyclingnr.cfm)

### 60109 ADVENTURES YTH LDR



### 60120 BACKPACKING & HIKING LDR

Resource: 08046, *Outdoor Adventures Helper's Guide* (\$3.75)

Webpage: [4h.uwex.edu/onlinpro/backpacking.cfm](http://4h.uwex.edu/onlinpro/backpacking.cfm)

### 60121 BACKPACKING & HIKING 1

What you can do in this project:

- Plan a day hike, select items, 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

Resource: 08043, *Hiking Trails* (\$3.75)

### 60122 BACKPACKING & HIKING 2

What you can do in this project:

- Plan a camping trip, select equipment & shelter
- Plan a camping trip menu and prepare supplies
- Practice "Leave No Trace" principles while hiking
- Study various organism habitats

Grades: 6-8

Resource: 08044, *Camping Adventures* (\$3.75)

### 60123 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

Resource: 08045, *Backpacking Expeditions* (\$3.75)

### 60129 BACKPACKING & HIKING YTH LDR



### 60200 ENTOMOLOGY LDR

Resource: 06856, *Entomology Group Helper's Guide* (\$3.50)

08393, *Project Butterfly Wings Facilitator Guide* (\$7.95) (optional)

Webpage: [4h.uwex.edu/onlinpro/entomology.cfm](http://4h.uwex.edu/onlinpro/entomology.cfm)

### 60201 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

Resource: 06853, *Creepy Crawlies* (\$3.50)

08392, *Project Butterfly Wings Youth Guide* (\$7.95) (optional)

### 60202 ENTOMOLOGY 2

What you can do in this project:

- Learn how an insect protects itself
- Explore their habitats, create an insect display
- Investigate entomology careers
- Build an insect extractor

Grades: 6-8

Resource: 06854, *What's Bugging You?* (\$3.50)

08392, *Project Butterfly Wings Youth Guide* (\$7.95) (optional)

### 60203 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

Resource: 06855, *Dragons, Houses, and Other Flies* (\$3.50)

### 60209 ENTOMOLOGY YTH LDR

### 60300 SHOOTING SPORTS LDR

Resource: 4H428, *4-H Shooting Sports Program* (\$1.75)

Webpage: [4h.uwex.edu/onlinpro/shooting/index.cfm](http://4h.uwex.edu/onlinpro/shooting/index.cfm)

### 60310 ARCHERY LDR

### 60311 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

Resource: 4H429, *4-H Shooting Sports – Basic Archery* (\$5.00)

### 60319 ARCHERY YTH LDR

## 60320 AIR PISTOL LDR

### 60321 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

Resource: 4H431, *4-H Shooting Sports – Basic Air Pistol* (\$4.00)

## 60329 AIR PISTOL YTH LDR

## 60330 RIFLE LDR

### 60331 RIFLE

What you can do in this project:

- Introduction to air rifle and .22 rifle in dry firing
- Learn to sight your rifle and how to score targets
- Learn various shooting positions
- Learn safety policies and procedures

Grades: 3-12

Resource: 4H432, *4-H Shooting Sport – Basic Rifle* (\$5.00)

## 60339 RIFLE YTH LDR

## 60340 HUNTING LDR

### 60341 HUNTING

What you can do in this project:

- Learn the history, philosophy and laws of hunting
- Learn to plan and equip yourself for a hunt

Grades: 3-12

Resource: 4H434A, *4-H Shooting Sports – Basic Hunting* (\$5.00)

## 60349 HUNTING YTH LDR



## 60350 SHOTGUN LDR

### 60351 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

Grades: 3-12

Resource: 4H433, *4-H Shooting Sports – Basic Shotgun* (\$5.00)

## 60359 SHOTGUN YTH LDR

## 60360 MUZZLELOADING LDR

## 60361 MUZZLELOADING

What you can do in this project:

- Learn about muzzleloading history
- Learn about different guns and accessories
- Learn how to clean a muzzleloader
- Learn safety issues

Grades: 3-12

Resource: 4H430, *4-H Shooting Sports – Basic Muzzleloading* (\$4.00)

## 60369 MUZZLELOADING YTH LDR



## 60450 RECYCLING LDR

Webpage: [4h.uwex.edu/onlinpro/recycling.cfm](http://4h.uwex.edu/onlinpro/recycling.cfm)

## 60451 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

Resource: 4H362, *Recycling for Reuse* (\$3.00)

## 60459 RECYCLING YTH LDR

## 60470 WATER LDR

Resource: 4H850, *Give Water A Hand* (\$2.75)

Webpage: [4h.uwex.edu/onlinpro/water.cfm](http://4h.uwex.edu/onlinpro/water.cfm)



## 60471 WATER

What you can do in this project:

- Identify water conservation and pollution issues
- Locate issues in your home, community or school
- Select an issue to focus on
- Develop and implement a plan

Grades: 3-12

Resource: 4H855, *Give Water A Hand-Action Guide* (\$4.75)

## 60479 WATER YTH LDR

## 60800 FISHING LDR

Resource: 07601, *Sportfishing Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/sportfishing.cfm](http://4h.uwex.edu/onlinpro/sportfishing.cfm)

## 60801 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

Resource: 07598, *Take the Bait* (\$3.50)



## 60802 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

Resource: 07599, *Reel in the Fun* (\$3.50)

## 60803 FISHING 3

What you can do in this project:

- Learn to reassemble a fishing reel
- Make artificial flies and lures
- Modify fishing equipment
- Investigate sportfishing careers

Grades: 9-12

Resource: 07600, *Cast into the Future* (\$3.50)

## 60809 FISHING YTH LDR

## PLANT & SOIL SCIENCES

### 70000 CROPS LDR



#### 70001 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

Resources:

- 4H355, *4-H Corn Project Manual* (\$2.00)
- 4H440, *Marketing Your 4-H Crops* (\$.25)
- 4H441, *Is Direct Marketing for My Project?* (\$.25)
- RS1, *Record Sheet – Crops Management* (\$.25)

Webpage: [4h.uwex.edu/onlinpro/corn.cfm](http://4h.uwex.edu/onlinpro/corn.cfm)

#### 70002 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

Resources:

- 4H349, *Pest Scouting Alfalfa* (\$.50)
- 4H440, *Marketing Your 4-H Crops* (\$.25)
- 4H441, *Is Direct Marketing for My Project?* (\$.25)
- RS1, *Record Sheet – Crops Management* (\$.25)

Webpage: [4h.uwex.edu/onlinpro/forage.cfm](http://4h.uwex.edu/onlinpro/forage.cfm)

## 70003 SMALL GRAINS

What you can do in this project:

- Learn about members of the grass families: wheat, oats
- Explore growing conditions and nutrients
- Learn integrated pest management practices
- Learn to compare production costs and marketing

Grades: 3-12

Resources:

- 4H356, *4-H Small Grains Manual* (\$2.00)
- 4H440, *Marketing Your 4-H Crops* (\$.25)
- 4H441, *Is Direct Marketing for My Project?* (\$.25)
- RS1, *Record Sheet – Crops Management* (\$.25)

Webpage: [4h.uwex.edu/onlinpro/smallgrains.cfm](http://4h.uwex.edu/onlinpro/smallgrains.cfm)

### 70009 CROPS YTH LDR



#### 70100 FRUITS LDR

Webpage: [4h.uwex.edu/onlinpro/fruits.cfm](http://4h.uwex.edu/onlinpro/fruits.cfm)

#### 70101 FRUITS

What you can do in this project:

- Produce fruits from apples to grape
- Select the best fruit cultivar for your home garden
- Decide what fruit you want to learn about

Grades: 3-12

Resources available from: <http://learningstore.uwex.edu>:

- A1597, *Growing Strawberries in Wisconsin* (\$4.00)
- A1610, *Growing Raspberries in Wisconsin* (\$3.00)
- A1656, *Growing Grapes in Wisconsin* (\$4.00)
- A1960, *Growing Currants, Gooseberries, and Elderberries in WI* (\$3.00)
- A2072, *Growing Pears in Wisconsin* (\$4.00)

#### 70109 FRUITS YTH LDR

#### 70200 VEGETABLES LDR

Resource: BU7156, *4-H Horticulture Helper's Guide* (\$8.00)

Webpage: [4h.uwex.edu/onlinpro/vegetables.cfm](http://4h.uwex.edu/onlinpro/vegetables.cfm)

Resource: BU07166 *Gardening Ldr. Helper Guide*

#### 70201 VEGETABLES 1

What you can do in this project:

- Identify plant parts and their functions
- Explore germination & start a plant from a cutting
- Grow vegetables in containers, plan an outdoor garden
- Prepare a vegetable exhibit for show



Grades: 3-5

Resources:

- BU7153, *Budding Gardeners* (\$6.00)
- 4H395, *Organically Grown – Handbook* (\$4.00)
- 4H409, *Nature's Herbs* (\$.75)
- A3306, *Exhibiting & Judging Vegetables* (\$.50)
- Optional:** BU7162, *See Them Sprout* (\$3.75)

## 70202 VEGETABLES 2

What you can do in this project:

- Learn about plant needs and soil testing
- Start new plants, grow transplants, explore hydroponics
- Build a compost pile, use mulches



Grades: 6-8

Resources:

BU7154, *Branching Out* (\$6.00)

**Optional:** BU7163, *Let's Get Growing* (\$3.75)

## 70203 VEGETABLES 3

What you can do in this project:

- Grow plants in a coldframe
- Make a site analysis and landscape plan
- Compare organic and chemical fertilizers
- Research various insect control methods

Grades: 9-12

Resources:

BU7155, *Digging Deeper* (\$6.00)

**Optional:** BU7164, *Take Your Pick* (\$3.75)

**Optional:** BU7165, *Growing Profits* (\$3.75)

## 70209 VEGETABLES YTH LDR



## 70300 HOUSE PLANTS LDR

Resource: BU7156, *4-H Horticulture Helper's Guide* (\$3.50)

Webpage: [4h.uwex.edu/onlinpro/houseplants.cfm](http://4h.uwex.edu/onlinpro/houseplants.cfm)

## 70301 HOUSE PLANTS 1

What you can do in this project:

- Identify plant parts and their functions
- Grow house plants, start a plant from a cutting
- Make a dish garden
- Prepare house plants for exhibit

Grades: 3-5

Resources:

4H328, *Propagating and Growing House Plants* (\$.50)

## 70302 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

Resource: *None at this time*

## 70303 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

Resource: *None at this time*

## 70309 HOUSE PLANTS YTH LDR

## 70350 PLANT CRAFTS LDR

Webpage: [4h.uwex.edu/onlinpro/plantcrafts.cfm](http://4h.uwex.edu/onlinpro/plantcrafts.cfm)

## 70351 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

Resources: 4H330, *Plant Crafts* (\$.75)

4H453, *Plant Crafts Supplement* (\$.50)

## 70359 PLANT CRAFTS YTH LDR



## 70400 FLOWERS LDR

Resource: BU7156, *4-H Horticulture Helper's Guide*

Webpage: [4h.uwex.edu/onlinpro/flowers.cfm](http://4h.uwex.edu/onlinpro/flowers.cfm)

## 70401 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 an exhibit

Grades: 3-5

Resources:

4H1301A, *Forcing Spring Flowering Bulbs* (\$.50)

A2935, *Evaluating & Judging Flowers & Indoor Plants* (\$.50)

## 70402 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

Resource: *None at this time*

## 70403 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

Resource: *None at this time*

## 70409 FLOWERS YTH LDR



## 70500 HOME GROUNDS LDR

Webpage: [4h.uwex.edu/onlinpro/homegrounds.cfm](http://4h.uwex.edu/onlinpro/homegrounds.cfm)



### 70501 HOME GROUNDS 1

What you can do in this project:

- Learn about seeding and lawn care
- Learn lawn maintenance, fertilization and pest management

Grades: 3-5

Resource: 4H321, *4-H Lawn Care* (**\$.75**)

### 70502 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

Resources:

A3067, *Selecting, Planting & Caring for Shade Trees* (**\$.50**)

A1730, *Evergreens – Planting & Care* (**\$.50**)

### 70503 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

Resource: G1923, *Planning & Designing Your Home Landscape* (**\$5.00**)

## 70509 HOME GROUNDS YTH LDR



## INTERNATIONAL PROGRAMS

### 90150 INTERNATIONAL LDR

Resource: 4H812, *And My World*

Webpage: [4h.uwex.edu/onlinpro/international.cfm](http://4h.uwex.edu/onlinpro/international.cfm)

### 90151 INTERNATIONAL

What you can do in this project:

- Explore the world around you with 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

Resource: 4H812, *And My World* (**\$10.00**)

# 2011-12 DOOR COUNTY 4-H CLUBS



## 1. COUNTRY VIEW

*Meets: 2<sup>nd</sup> Sunday, 6:15 p.m., Egg Harbor Town Hall, Carlsville*  
General Leader: Tina Wagner (743-6620)

## 2. EAST MAPLEWOOD BEAVERS

*Meets: 4<sup>th</sup> Monday, 7:15 p.m., Forestville Town Hall, Maplewood*  
General Leader: Theresa Kinnard (743-5188)

## 3. HAY BURNERS

*Meets: 2<sup>nd</sup> Sunday, 1:00 p.m., St. Francis & St. Mary's Church, Brussels*  
General Leader: Colleen Rass (825-1498)

## 4. MAPLEWOOD MISSILES

*Meets: 2<sup>nd</sup> Monday, 6:30 p.m.*  
*Forestville Town Hall, Maplewood*  
General Leader: Chris Kay (856-6876)

## 5. NORTHERN CLOVERLEAFS

*Meets: 2<sup>nd</sup> Sunday, 2:00 p.m.*  
*Jacksonport Town Hall*  
General Leader: Mary Richard (868-3924)

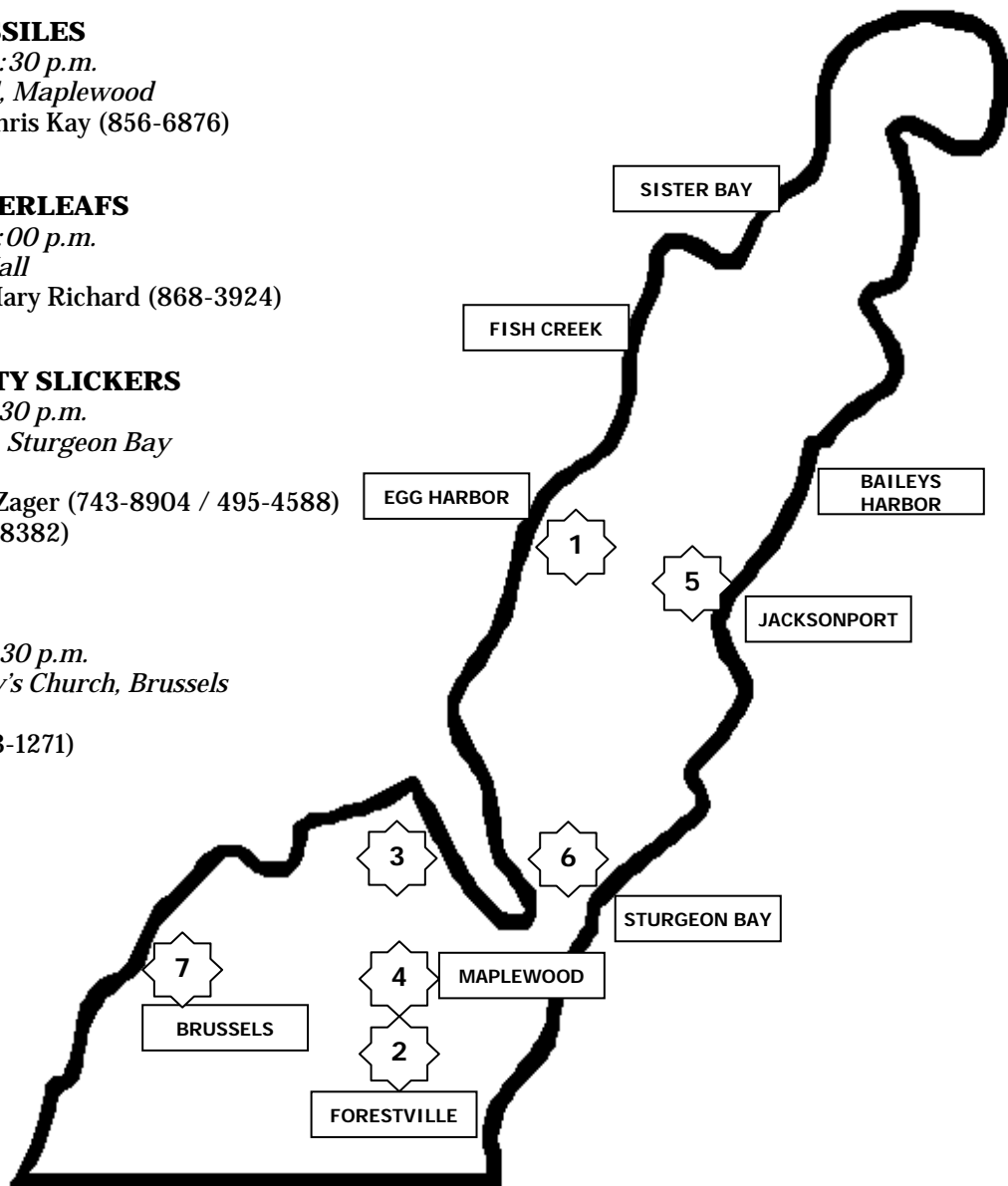
## 6. ROUGH RIDIN' CITY SLICKERS

*Meets: 1<sup>st</sup> Monday, 6:30 p.m.*  
*Door County Library, Sturgeon Bay*  
Co-General Leaders:  
Shelly Wolfram-Zager (743-8904 / 495-4588)  
Terry Bailey (743-8382)

## 7. SHINING STARS

*Meets: 2<sup>nd</sup> Sunday, 6:30 p.m.*  
*St. Francis & St. Mary's Church, Brussels*  
General Leader:  
Marissa Norton (493-1271)

WASHINGTON  
ISLAND



### **SPECIAL INTEREST 4-H GROUPS** (Contact the Extension Office @ 746-2260)

- Door County Junior Leaders (Youth in Grades 7 & up)
- 4-H Shooting Sports Programs
- 4-H Dog Obedience Program (Bob Desotelle - 743-9934 or 743-8587)

September 2011