THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

#### Ohio State University Extension Wayne County

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Dear 4-H Club Organizational Advisor,

Welcome to a new year of 4-H in Wayne County! Instead of assembling hard-copy notebooks this year, we have compiled PDF's of important documents we have normally included in our Organizational Advisor's Club Packet in the past. Please also be sure to regularly visit the OSU Extension Wayne County website for updates and other documents not included in these groupings of PDF's. Also, the 4-H Calendar is up to date and available on our website and in the Wayne County 4-H mobile app.

#### ESSENTIAL CLUB DOCUMENTS

- 2021 Family Guide to 4-H
- 2021 Show Arena and Auction Schedule
- Member / Advisor Enrollment instructions and copy of the 4-H Member Code of Conduct
- 2021 4-H Activity Fee Payment and Scholarship Application Forms
- Copy of 2021 Volunteer Standards of Behavior
- 4-H Youth Code of Conduct (every 4-H member must read this before signing their 4-H enrollment form)
- Club Constitutions Due April 1<sup>st</sup>
- 2021 Advisor's Project Book Order Form

#### PROJECT GUIDELINES

- Building 10 Project Guidelines
- Livestock / Animal Project Guidelines
- Horse Project Guidelines and Horse Forms
- Feeder Calf Leasing Information
- Market Hog Bred, Born & Raised Form
- Market Goat Bred, Born & Raised Form
- Market Lamb Bred, Born & Raised Form
- Market Rabbit Bred, Born & Raised Form
- AWARD APPLICATION & NOMINATION FORMS
  - Hugh Kline Wayne County 4-H Endowment Grant Guidelines and Application
  - County Award Medal Application / Nomination Form
  - Excellence in 4-H Award Nomination Form
  - Meritorious Service Award Nomination Form
  - Star Club Award Criteria and Application

#### ADDITIONAL RESOURCES

- List of Judging, Bowl, and Education Teams Coaches and their Contact Information
- "My 4-H Career Record Book," a great resource for younger 4-H members to keep track of their 4-H activities which will help them be prepared for applying for county, state, and national 4-H activities, trips, and awards later on as teens
- National 4-H Supply Catalog

All club officer guides can be downloaded from the OSU 4-H website free of charge at <u>http://www.ohio4h.org/families/members/officer-resources</u>.

The OSU 4-H website includes many other helpful fact sheets, such as idea starters for the Self-Determined projects. Our own Wayne County website (<u>http://wayne.osu.edu</u>) also offers regularly updated information and some downloadable forms.

Again this year there will be no refunds for 4-H books returned after June 1<sup>st</sup>. Books can be exchanged as long as they are not written in.

If you have any questions as you review these materials, please give me a call or send an e-mail (<u>foxx.2@osu.edu</u>). I look forward to working with you in 2021!

Sincerely,

Douglas S. Foxx, Extension Educator, 4-H Youth Development

4-H 1000

# 2021 Family Guide





































COLLEGE OF FOOD, AGRICULTURAL, AND ENVIRONMENTAL SCIENCES

# 2020 Ohio 4-H Family Guide

# **Changes in the Lineup**

New							
354	Medicine Science and Safety						
355	Tracking Your Health and Fitness						
365.00	Amateur Radio Idea Starter						
365.04	Get Started with Composting Idea Starter						
365.04	Paddle Water Sports Idea Starter						
387	Here, There, Ag Careers Are Everywhere						
613	Explore the Poles						
673	Edible Landscapes						
Revise	ed or Replaced New Title (Old Title)						
179R	Uniform Rules for 4-H Horse Shows (same)						
412	Sew for Others (same)						
584	Photography Basics, Book 1 (Focus on Photography, Level 1)						
585	Next Level Photography, Book 2 (Controlling the Image, Level 2)						
586	Mastering Photography, Book 3 (Mastering Photography, Level 3)						
752	Shotgun Member Record Book (same)						
755	Muzzleloader Member Record Book (same)						
756	Living History Member Record Book (same)						
	Discontinued						
	Canoeing Idea Starter						
504	Electric Radio-Controlled Vehicles						
being d	al project numbers for all idea starters are ropped. Instead, youth enroll in one of these						
broade	topic areas:						
365.00	General						
365.01 365.02	Companion Animal Creative Arts						
365.02	Family Life						
365.04	Natural Resources						
365.05	Quilt						
365.06	Workforce Preparation						

Provided by 4-H cost recovery funds.

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The Family Guide is designed especially for volunteers, members, and families involved in 4-H through community and project clubs, EFNEP groups, and special school and community enrichment programs.

# Welcome to Ohio 4-H

# About 4-H

4-H is a non-formal educational youth development program offered to individuals ages 5 to 19.

Among all the fun things to learn about in 4-H are animals, computers, public speaking, cooking, art, gardening, natural sciences, and much more. You can participate in 4-H in many ways—through clubs, camps, your school, and short-term programs offered through your county or the state office.

No matter what you select or how you participate, all 4-H programs focus on active involvement and quality experiences that stimulate lifelong learning of values and skills.

# Pledge

I pledge My **head** to clearer thinking, My **heart** to greater loyalty, My **hands** to larger service, and My **health** to better living, For my club, my community, my country, and my world.

# Motto: To Make the Best Better

The 4-H motto refers to each member. It means that each member will do the "best" that he/she possibly can in whatever is attempted. The member will then strive to improve the next time so his or her initial "best" becomes "better." The 4-H motto encourages members to stretch their abilities and capacities to reach greater achievement within their own potential.

# **Member Recognition**

Each county 4-H program in Ohio has a standard for measuring youth success. Many counties recognize members with a certificate of achievement for attending regular club meetings, taking part in club and project events, presenting a project demonstration, and participating in community service. Additionally, members who achieve their goals in leadership, citizenship, and service activities, often called "honor members," also receive certificates of achievement.

County-level project judging assesses the quality of the member's project performance. A member receives a grade ribbon for how well the project is completed. As a result, some members earn the opportunity to compete beyond the county. Typically trophies, rosettes, and state fair participation honors are awarded to 4-H members who succeed at these levels.

Additional opportunities for recognition are available through county, state, and national award programs. These awards include state trips, national conferences, and educational scholarships. To learn more about awards and scholarships, go to **ohio4h.org/awards**.

# Message from State 4-H Leader

#### Dear 4-H Parents,

Welcome to Ohio 4-H 2021! At Ohio 4-H, we believe true leaders aren't born; they're grown. Our statewide network of more than 140 Ohio 4-H professionals and 16,000 adult volunteers support today's youth in growing skills through project work, camps, clubs, trips, and other hands-on learning experiences. Parents of 4-H members provide vital support to help Ohio 4-H remain strong and successful. Your encouragement and assistance in guiding 4-H members through their projects and club experiences helps them thrive. Our research-backed, hands-on 4-H approach provides the experiences required to develop the skills youth need to be successful in life. Together with your club's volunteers and 4-H professionals, we will work together to develop citizenship, leadership, responsibility, and life skills. This leads to productive careers and strong communities. Thank you for joining with us to ensure that 4-H grows across Ohio!

Yours in service to 4-H,

V. kBl\_\_\_\_

Kirk Bloir, 4-H State Leader, Ohio State University Extension

# **Expressing Thanks**

Volunteers and donors are vital to the overall success of 4-H. They give their time, talent, and money to support current 4-H members. Members receiving medals, certificates, scholarships, trips, and other awards are encouraged to make it a priority to express appreciation to the donors and sponsors who made the awards and scholarships possible. If you are a winner, remember to take a few moments to write a "Thank You!" and tell your donor or sponsor how your award or scholarship has benefited you.

# **Understanding 4-H Membership**

# **4-H Membership Eligibility**

Ohio 4-H membership is based on a child's age AND grade as of January 1 of the current calendar year. Eligibility for Cloverbud participation begins when a child is age 5 and enrolled in kindergarten. Eligibility for participation in 4-H projects and competitive events begins when a child is age 8 and in third grade. Any youth age 9 or above is eligible for project membership, regardless of grade level. Membership requires enrollment in an authorized Ohio 4-H club or group under the direction of an OSU Extension professional or an approved adult volunteer. A youth's 4-H eligibility ends December 31 the year he or she turns 19.

Joining Ohio 4 H is a privilege and responsibility for individuals and is subject to the Ohio 4-H Code of Conduct and applicable policies of The Ohio State University.

Accommodations can be made for youth with disabilities through our Winning 4-H Plan. Visit **ohio4h.org/about/join-4-h** to make an accommodation request.

# **4-H Membership Expectations**

The expectations for 4-H membership are a balance of 4-H project work, involvement in a 4-H club, participation in 4-H activities and events, and working towards improving one's personal growth. 4-H members and their parents/guardians are also expected to abide by the Ohio 4-H Code of Conduct throughout the year, and sign off on this code as part of the annual membership process. For more information on the membership process, contact your local 4-H professional. For more information about expectations for completing projects, see page 5.

# **Cross-County Line Membership**

Youth are expected to affiliate with the 4-H program in their county of residence.

4-H membership in two counties simultaneously is not permitted.

In situations where the county of residence does not have a 4-H program, youth may not join 4-H in another county.

If county financial support for Ohio State University Extension ceases to exist, 4-H membership status already established in that county will end on the date the funding ends (established by Extension Administration). 4-H membership of youth, residing in a county that has lost funding, who have preestablished cross-county line 4-H membership agreements in place will be permitted to continue participation in their non-resident county through December 31 of that 4-H membership year.

For more information about cross-county lines membership, contact your local Extension office.

# 4-H and FFA Membership

Ohio 4-H members are sometimes also FFA members, often within the same county or in an adjacent county. These members especially need to keep in mind the 4-H policy about 4-H projects being separate from school projects. To keep work in both organizations clearly separate, 4-H members are advised to take different species or non-livestock projects in the two organizations or, at the very least, to take market animals in one and breeding animals in the other. The idea is to refrain from exhibiting the same project more than once. See chart for allowable and not allowable examples.

	4-H	FFA
Allowable	Breeding Gilt	Market Hog
Allowable	Market Steer	Market Hog
Allowable	Welding (door stop)	Welding (boot scraper, made for ag class)
Not Allowable	Market Lamb	Market Lamb
Not Allowable	Welding (door stop, made for ag class)	Welding (door stop, made for ag class)

Please check your junior fair exhibition rules about exhibiting both 4-H and FFA projects and animals.

# **Project Enrollment for 4-H Members and Showing Animals at the Ohio State Fair**

4-H members must be enrolled in their county in any project they enter to show in the Ohio State Fair Junior Livestock Shows (including poultry, rabbits, and

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dogs), regardless of whether that project is offered for county exhibition. (See more on next page.)

A 4-H member cannot enroll the same animal in two separate projects, except for dog projects and 4-H PetPALS.

## A Note About Cost Recovery

Club leaders, project helpers, and other volunteers often ask about the cost of project books. Why are 4-H members required to buy them? The cost of a project book, which is usually \$6, covers the cost of curriculum development, printing, storage, and delivery.

This cost recovery plan is seen as the most desirable option among alternatives such as state membership or other fees. Each book purchased supports the Ohio 4-H program at the state and county levels. Ohio 4-H depends on your support in delivering high-quality, experiential education to its members. We strive to provide project books that offer value. Unless specifically stated otherwise, please help us by purchasing a new book each year for every project in which your son or daughter enrolls.

# **Understanding 4-H Projects**

# **Project Work Through 4-H**

Each project book contains a wealth of information and activities for planning and conducting a project. The projects can be completed by participating in activities through organized project groups or by carrying out the activities individually under the guidance of a parent or other adult.

## **Frequently Asked Questions**

#### What is a 4-H project?

A 4-H project is made up of three types of activities:

Hands-on activities: making, producing, practicing, observing, testing, interviewing, caring for, etc.

Organized activities: demonstrations, speeches, workshops, camps, county judging, project activities, exhibits, etc.

Leadership/Citizenship activities: conducting, planning, teaching, assisting, informing, organizing, etc.

#### Does a 4-H member have to take a project?

Yes. However, there are two ways to take a project, either as an individual project or as a group project.

#### How does a member select a project?

When choosing a project, consider your interests, background, what is necessary to start your project, and what is available to help you complete it. Review this guide as a family, club, or group. A good rule of thumb is to select no more than two projects as a firstyear member.

Included in the description of each project is a level beginning (B), intermediate (I), or advanced (A). These are primarily skill levels, so that if you have little or no experience in a project area, for example, you are a beginner, regardless of your age. Intermediate-level projects are for members with some experience in a project area, and advanced-level projects are for members experienced in a project area. There are exceptions though! Some projects were written with certain ages in mind. In those cases, the project descriptions give the ages. Also, some projects are described with an "X," meaning they are appropriate for all skill and age levels.

County fairs and the state fair often have age requirements different than those for project enrollment. When participating in a fair event, be sure to review the related guidelines.

Once you've selected your project(s) for the year, request the project book(s) from your 4-H club leader. Look for the to see if the project you selected needs an additional resource book. Each project book is \$6 unless stated otherwise here or by your county Extension office.

# Where does a member begin when planning a 4-H project?

Once a member has selected a project, he/she should start by reading the section of the project book called the Member Project Guide, usually located near the front. The Member Project Guide offers step-by-step instructions for conducting the activities that make up the 4-H project.

#### Can a school project be used as a 4-H project too?

No. In order for a member to achieve the progression of knowledge, attitudes, skills, and aspirations necessary for positive youth development, all 4-H experiences in which a 4-H member is involved must be separate and different from previous or simultaneous experiences in other programs, groups, businesses, and organizations.

#### Does a member have to do everything the Member Project Guide suggests?

No, although completing the Member Project Guide in the recommended time frame is the best way to succeed in fair judging. How much to complete is up to the member, parents, and advisor. Depending upon their interests and abilities, members may plan to do a little or a lot. Project plans also can change as a member's interests and needs change.

#### How much time can be spent on a project?

It can be a matter of days, weeks, or even months, depending on the size and scope of the member's plan. Some projects also can be repeated to accomplish additional project goals.

# *Is it necessary to attend county-level judging to complete a project?*

For some members, project completion is nothing more than participating in project activities, completing a predetermined number of project goals, and reviewing accomplishments with a parent or project helper. Some counties require attendance at county-level judging. Always check with your project helper for specific judging requirements. For example, sometimes it is necessary to bring an exhibit along with your project book to interview judging.

# How can a 4-H member qualify to compete at the Ohio State Fair?

For non-animal and non-livestock events, qualifying for the state fair involves competing at the county level and being selected as state fair representative. Some counties hold events that are not state fair events, and some counties do not hold all of the events that take place at the state level. In addition, if you are taking a project with age guidelines and are outside of the recommended age range, be sure to double-check county and state fair regulations about participating (ohio4h.org/ohiostatefair). Generally speaking, youth outside the recommended age range are not eligible for competition. For animal and livestock events, be sure to check state fair guidelines at ohio4h.org/animalsciences.

Please note: Ohio State Fair eligibility, as indicated by a green ribbon (**R**), is current at time of printing but is subject to change. Eligibility for the coming year is usually available in February at **ohio4h.org/ohiostatefair**.

# **Statewide Programs**

# **4-H Event Youth Assistant**

This statewide group of 4-H teens assists with Ohio State Fair events. In this process, members have an opportunity to enhance their leadership skills and be involved in the State 4-H program. Applications are due May 15. Visit **go.osu.edu/4HEYA** for more information.

# **4-H PetPALS**

4-H PetPALS (People and Animals Linking Successfully) is an intergenerational 4-H program connecting youth and their pets with senior adults in various healthcare facilities. Members learn to select, socialize, and train appropriate pets to participate in animal-assisted activities. For more information, go to **4hpetpals.osu.edu**.

# Alumni and Friends

We want to connect with you! Are you interested in receiving monthly 4-H newsletters, hearing about upcoming 4-H events, and other ways to connect to the 4-H community? Sign-up today at **ohio4h.org/** alumni.

## Camping

4-H camping programs include day camps, overnight camps, and camps that focus on specialty areas such as animal sciences, creative arts, shooting sports, and STEM. Other camps focus on specific groups of youth including children of those serving in the military, Cloverbuds, teens, and youth with special needs. For more information on 4-H camps and their facilities, go to **ohio4h.org/camp** or contact your county Extension office.

# CARTEENS

4-H CARTEENS, a traffic safety program conducted by 4-H teen leaders and their program partners, is for first-time juvenile traffic offenders referred by local courts. The program's goals are to reduce the number of repeat juvenile traffic offenders, increase teen awareness of traffic/vehicular safety, and improve public speaking and leadership skills of teen instructors. For information on 4-H CARTEENS, please go to **ohio4h.org/families/just-teens/carteens** or contact your county Extension office.

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## Cloverbuds

The youngest 4-H members are called Cloverbuds (youth age 5 and in kindergarten to age 8 and in the third grade). 4-H volunteers lead activities that explore topics such as health, earth and the environment, citizenship, plants and animals, science and technology, personal development, creative arts, and more! For more information, visit **ohio4h.org/cloverbuds** or contact your county Extension office.

## **Dog Achievement Program**

In this non-competitive program, 4-H members have fun, learn more about dogs, and earn certificates and pins by completing categories of achievement such as basic training, exercise, and health and safety. More information about DAP is available at **ohio4h.org/DAP**.

## **International Exchange**

Open your world! Ohio families have the opportunity to share their lives and learn about another country without leaving home by hosting youth or adults from around the world for three and a half weeks each summer (applications due April-May). Interested in traveling? Ohio youth can live with host families in other countries for one month each summer, too. Traveler applications are due November 15 and partial scholarships are awarded to all selected candidates. For more information, visit **ohio4h.org/youth/international**.

## **Ohio Military Kids**

The mission of Ohio Military Kids is to support the children and families of all branches of the military by delivering a wide range of recreational, social, and educational programs as they cope with the stresses of knowing their deployed family members may be in harm's way. Ohio 4-H offers staff support and resources to provide these programs in partnership with the Ohio National Guard. To learn more or to serve as a volunteer or camp counselor for our youth programs, visit us at **go.osu.edu/OMK** and on Facebook (OhioMilitaryKids).

## **Shooting Sports**

The Ohio 4-H Shooting Sports program teaches young people the safe and responsible use of archery equipment; the fundamentals of firing air guns, .22 caliber and muzzleloading rifles, pistols, and shotguns; the basic principles of hunting; and the value of studying historic lifestyles and heritage crafts. To learn more about these projects and shooting sports camp, go to **ohio4h.org/shootingsports**.

# **State Fashion Board**

State 4-H Fashion Board members are selected from across the state to assist in conducting the Ohio State Fair 4-H Fashion Revue, assist with educational programming efforts related to textiles and clothing, and serve as advocates for Ohio's 4-H textiles and clothing projects and programs. Applicants are selected at the county level and interviewed during the Ohio State Fair Clothing Days. To learn more, please visit **ohio4h.org/families/just-teens/state-4-h-fashionboard** or contact Laryssa Hook at hook.26@osu.edu.

#### **STEM Pathways**

Explore STEM Pathways challenges and programs in science, technology, engineering, and math to enhance your curiosity, critical thinking, problemsolving, communication, and teamwork. Discover how these workforce skills are necessary to compete in a high-tech global society. The STEM Pathways formula is simple: Engagement + Problem Solving = Learning! For more information, contact your local Extension office or visit **ohio4h.org/stem-pathways** for challenge curriculum and videos.

## **Teen Leadership Council**

This is a statewide group of 4-H teens and young 4-H alumni that provides a youth stakeholder perspective in the planning, implementation, and evaluation of Ohio 4-H programming. Applications are due the Friday following Ohio State Fair. Visit **go.osu.edu/TLC** for more information.

## Volunteers

At its heart, Ohio 4-H is an organization of volunteers dedicated to positive youth development. Learn more about joining our efforts at **ohio4h.org/volunteer** or by contacting your county Extension office. Already a volunteer? Take a look at the Ohio 4-H Volunteer Handbook at **ohio4h.org/volunteerhandbook**.

# **Statewide Events**

# **Cloverbot Challenge**

The Ohio 4-H Cloverbot Challenge occurs in June and gives 4-H Cloverbuds the opportunity to work cooperatively in teams to problem-solve using STEM skills. A new theme is selected each year. Teams research a topic, build a working model of their solution to the Challenge issue, and create a poster to illustrate their findings. ohio4h.org/cloverbot-challenge.

# Ohio Youth Institute (OYI)

Become a Borlaug Scholar! Norman Borlaug's work made a difference in feeding a hungry world—you can make a difference, too! In partnership with the World Food Prize, high school students research and write a paper on a global challenge related to hunger and food insecurity. You'll present your findings at the OYI, a day-long conference at Ohio State—meet with researchers, experts and other students, participate in immersion activities from the College of Food, Agricultural, and Environmental Sciences (CFAES). Selected participants attend the Global Youth Institute and all OYI Borlaug Scholars are eligible for USDA internships in college. Make this a 4-H self-determined project! ohio4h.org/ohio-youth-institute

# **Ohio 4-H Conference**

Please visit **ohio4h.org/about/ohio-4-h-conference** for up to date information regarding the 2021 Ohio 4-H Conference.

# Dairy

The Ohio 4-H Dairy Cattle program, online at **ohio4h.org/dairy**, includes opportunities for 4-H members to engage in a variety of fun and informative events. Plan to take your dairy project and take part in Dairy Palooza (**ohiodairypalooza.com**), where you will engage in hands-on learning workshops; Dairy Quiz Bowl, a double elimination competition with junior and senior divisions; Dairy Judging Team; and the National 4-H Dairy Conference in Madison, WI (**national4hdairyconference.org**). Details are online and on Facebook at Ohio 4-H Dairy Program.

## Horse

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Events include State 4-H Horse Bowl Contest, Judging Contest, Hippology Contest, and Communications

Contest. Winners go on to compete at the Eastern National 4-H Roundup in Louisville, KY. Runner-ups compete at Quarter Horse Congress in Columbus in October. State 4-H Poster Contest, Groom and Clean, and Competitive Trail Ride are also offered. ohio4h.org/horse

# **Livestock Judging Teams**

Youth develop and practice livestock evaluation skills by placing market and breeding classes of livestock (beef, swine, sheep, and goat) during the Ohio State Fair. The top three senior teams represent Ohio 4-H at national or regional contests, and an all-state team comprised of the top senior participants will represent Ohio at the national contest in Louisville, Kentucky. Rules and registration available at ohio4h.org/events/ ohio-state-fair-4-h-livestock-judging-contest.

# **Ohio State Fair Animal Skillathons**

Show what you know about different animal industries at the Ohio State Fair Skillathons! Evaluate your knowledge through hands-on activities in any one of nine different species (horse, goat, dairy, sheep, dog, poultry, swine, beef, and rabbit). Skillathons are free, and you do not have to be a state fair exhibitor or be enrolled in an animal project to participate. Top individuals in livestock species (beef, swine, sheep, and goats) are invited to practice for selection of an all-state team representing Ohio at the national contest in Louisville, Kentucky. Schedule, rules, and study resources are available at **go.osu.edu/OSFSkillathons** 

# Poultry

Ohio 4-H members test their knowledge about all aspects of poultry in the Ohio State Fair 4-H Avian Bowl contest. They can also develop and practice their poultry evaluation skills by grading eggs, placing live bird classes, and placing market classes at the 4-H Poultry Judging contest. The first place senior team in each contest has the opportunity to represent Ohio at the National 4-H Poultry and Egg Conference held with the North American International Livestock Exposition in Louisville, KY, in November. **ohio4h.org/ events/ohio-state-fair-4-h-poultry-judging-contest** and **ohio4h.org/events/ohio-state-fair-4-h-avianbowl-contest**.

# **Individual Projects**

# **Project Resources**

Unless otherwise indicated, each project book costs \$6 when purchased through a local county Extension office. For a slightly higher price plus shipping, all 4-H books and other Extension publications are available at **extensionpubs.osu.edu**. Projects that require resources in addition to the project book, such as a resource handbook, member project guide, or livestock record, are indicated with a 44.

# **State Competition**

Projects with a corresponding event at the Ohio State Fair are indicated with a **R**. Although participation in fairs is optional, we encourage family participation in this type of learning activity. To participate in 4-H events at the Ohio State Fair, whether livestock or non-livestock events, a 4-H member must be enrolled in the project in the county. (Some state fair events operate independently of 4-H and thus do not require enrollment.) For some events, 4-H members are selected for state fair as a result of county competition. For others, youth can enter on their own. Specific rules and regulations can be found by clicking on Competitions at **ohiostatefair.com**.

# About 4-H

#### 91 Discovering 4-H

#### 92 4-H Around the Globe

# **Animal Sciences**

#### Beef

#### ohio4h.org/livestock

#### 117 Beef Project and Record Book

Complete this required project book every year a beef project is taken. This streamlined publication can be used by members at all levels for all beef categories in the list that follows. Use with 117R *Beef Resource Handbook*.  $\bigcirc$  2019.

117B Beef Breeding	. <b>X</b> , ҄
117BF Beef Feeder (Market)	.X, ጸ
117DF Dairy Beef Feeder (Market)	.X, 🕈
117M Market Beef	. <b>X</b> , ҄

# Required Supplement for Beef Projects 117R Beef Resource Handbook

This one-time purchase contains essential information for members taking a market beef, beef breeding, beef feeder, or dairy beef feeder project. An excellent resource for skillathons! 2016. (\$17.75)

#### Optional Supplements for Beef Projects 103R Beef, Sheep, and Swine Selection and Evaluation

This optional resource is for beginners who want to learn more about selecting and evaluating livestock. Purchase only once and refer to it when selecting projects or before attending a judging contest. 2004. (\$9)

**Pennsylvania Livestock Judging Manual** is an optional book for older youth that builds advanced evaluation skills. Learn to use performance data in oral reasons. Refer to it for information on how to handle market animals and understanding expected progeny differences. 1994. Available online at ohio4h.org/publications.

#### **Companion Animals and Rabbits**

#### ohio4h.org/companionanimals

Want to share your love of animals? No matter how old you are or what kind of animal you care for, you may be able to participate in the Ohio 4-H PetPALS program, a group program that links youth and their pets with senior adults. For more information, see page 30.

#### 200 All About Dogs



Ever wonder how prehistoric dogs met prehistoric humans? Want to know how dogs think and the meaning behind their PEER REVIewed body language? Curious about what keeps

dogs happy and healthy? Discover these answers and the valuable roles these furry companions play in our lives. For beginning-level members who may or may not have a dog. Not for members enrolled in a dog 

#### 201 Dog Project and Record Book

Complete this required project and record book every year a dog project is taken. Get to know all aspects of dog care and welfare while keeping complete records of your experience as a dog owner. Use one project book each year, even if your dog is involved in more than one project and even if you have more than one dog. Appropriate for dogs who are family pets and for dogs who are used for show. Use with 201R Dog Resource Handbook. 

Use 201 Dog Project and Record Book for all of these dog projects:

#### 201D You and Your Dog

Recommended as a first-year dog project and also as a complement to other dog projects. Can be taken every year.....X. 🔭 2010 Obedience

Covers beginning and advanced obedience training and rally. $\ldots$ <b>X</b> , <b>R</b>
201S Showmanship
Learn the basics of dog showmanshipX, 🕏
201P Performance
Includes agility, drill team, canine freestyle, and other performance events $X$ ,
201W Working Dogs

Includes assistance dogs such as Pilot Dogs, Inc., Canine Companions for Independence, and other service dog organizations.....X, 🔭

#### 202 Dog Achievement Program

Earn pins and certificates as you select from hundreds of activities that cover basic training, exercise, health and safety, etc. This is a one-time purchase good for every year in the project. Perfect for youth who do not have access to a dog club or to volunteers with dog experience and for those who are not interested in competing. Use with 201R Dog Resource Handbook. 🕰 2015. (\$12). Also available free online at ohio4h.org/publications.....X

#### Required Supplement for Dog Projects 201R Dog Resource Handbook



This one-time purchase contains essential information for members taking a dog project and includes everything from selecting a dog that's right for you,

proper care, training techniques, dog anatomy, competition, and much more. An excellent resource for skillathons! 2018. (\$16.50)

#### 215 Cavy Project and Record Book



Complete this required project and record book every year a cavy project is taken. Use with 215R Cavy Resource Handbook: A 4-H 

#### Required Supplement for Cavy Project 215R Cavy Resource Handbook: A 4-H Guide to Guinea Pigs



This one-time purchase contains essential information for members taking a cavy (also known as a guinea pig) project. Topics covered include general care,

history, anatomy, selection, housing and equipment, records, nutrition, health, reproduction, grooming and showing, marketing, and careers. An excellent resource for skillathons and for every cavy enthusiast! 2017. (\$13)

**Optional Supplement for Cavy Projects** The Standard of Perfection 2016-2020 from the American Rabbit Breeders Association is the ultimate resource for anyone breeding or exhibiting rabbits or cavies. Current edition and price are available online in the ARBA Store at arba.net.

#### 216 Purr-fect Pals, Level 1

Learn about being a good cat owner by taking this beginning-level project. You learn about cat breeds, behavior, good health, grooming, and feeding. Designed for youth in grades 3 to 5. This project can be taken for three years. 2005......B, 🕈

#### 217 Climbing Up! Level 2

Build on what you learned in Cat 1 by taking this intermediate-level cat project. Learn more about cat identification and characteristics, training and showing, health and nutrition, and responsible cat ownership. Designed for youth in grades 6 to 8, but may be taken by youth in any grade after completing Cat 1. Cat 2 can be taken for three years. 

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### 218 Leaping Forward, Level 3

#### **Helper Supplement for Cat Projects**

The *Cat Helper's Guide* provides club helpers ways to involve everyone in learn-by-doing cat project sessions. Available from National 4-H at **shop4-H.org**.

#### 220 Pocket Pets Project and Record Book

#### Required Supplement for Pocket Pets Projects 220R Pocket Pets Resource Handbook

This one-time purchase contains essential information for members taking a pocket pet project. Species include gerbils, hamsters, mice, and rats. Topics covered include history, selection, handling, housing, nutrition, health, reproduction, grooming, and showing. An excellent resource for skillathons and for the small animal enthusiast! 2017. (\$13)

# 225 Breeding Rabbit Project and Record Book

# 226 Market Rabbit Project and Record Book

#### 227 Pet Rabbit Project and Record Book

#### Required Supplement for Rabbit Projects 228R Rabbit Resource Handbook for Breeding Rabbit, Market Rabbit, and Pet Rabbit Projects

This one-time purchase contains essential subject matter information for members taking a breeding rabbit, market rabbit, or pet rabbit project. An excellent source for skillathons! 2004. (\$11)

**Optional Supplement for Rabbit Projects** The **Standard of Perfection 2016–2020** from the American Rabbit Breeders Association is the ultimate resource for anyone breeding or exhibiting rabbits or cavies. Available online in the ARBA Store at **arba.net**.



Ohio 4-H Learning Lab Kits

Learning Lab Kits are your answer for species-specific, hands-on, durable learning materials. Use for teaching, evaluation, and contests. Perfect for 4-H clubs, FFA chapters, skillathons, and ag association activities. Get hours of learning and fun on many topics!

ohio4h.org/learninglabkits

When participating in a county or state fair event, be sure to review the related age requirements and guidelines.

Beef

Horse

Dairy

Goat

Dog

Poultry

Rabbit

Sheep

Swine

and more!

#### **Dairy Cattle**

#### ohio4h.org/dairy

#### Dairy Beef Feeder (See Beef on page 9)

#### 122 Dairy Heifer Project and Record Book

Complete this required project and record book every year a dairy heifer project is taken. Learn how to raise, care for, manage, and keep records for one or more dairy heifers. Use with 127R *Dairy Resource Handbook*.  $\longrightarrow$  2016......X,

#### 126 Dairy Cow Project and Record Book

Complete this required project and record book every year a lactating dairy cow project is taken. Learn how to care for, manage, and keep records for one or more dairy cows. Use with 127R *Dairy Resource Handbook*.

# Required Supplements for Dairy Projects 127R Dairy Resource Handbook

This one-time purchase contains important information for members taking a dairy heifer or dairy cow project. Purchase once and use it for many years. An excellent resource for skillathons! 2004. (\$16)

**Optional Supplement for Dairy Projects** 

**Dairy Judging** is an excellent introductory reference for anyone interested in learning more about evaluating dairy cattle. Covers the PDCA Unified Scorecard, terminology, preparing and presenting oral reasons, and linear evaluation. Practice exercises and resources are provided. Available online at **holsteinfoundation.org**.

**Showring Ready** serves as a guide for youth, parents, and dairy project leaders who are interested in learning the basic skills associated with caring for and exhibiting dairy cattle at fairs and other shows. Along with the basics, such as washing and halter training, detailed sections cover clipping and showmanship skills. Available online at holsteinfoundation.org.

#### Goats

#### ohio4h.org/goat

#### 135 Goat Project and Record Book

Complete this required project and record book every year a dairy, market, or specialty goat project is taken. Good Production Practices (GPPs) and animal records sections help you learn how to care for and manage your animal or herd. Use with 135R *Goat Resource Handbook.* 4 2016.

135BD Breeding—Dairy Goats	Х, ҄
135BM Breeding—Meat Goats	.X, ጸ
135F Fiber Goats	<b>X</b>
135H Harness Goats	<b>X</b>
135M Market—Dairy, Meat, or Cross Goats	.X, ጸ
135P Pack Goats	<b>X</b>
135PY Pygmy Goats	<b>X</b>
135C Companion—Pet Goats	<b>X</b>

An animal in the Companion—Pet Goats project can be any breed and any sex, but it is kept as a pet and not enrolled in any other project category.

# Required Supplement for Goat Projects **135R** *Goat Resource Handbook*

This one-time purchase contains essential information for members taking a goat project, starting with breeds, ending with careers, and including everything in between. An excellent resource for skillathons! 2016. (\$17)

#### Horses

Learn how to qualify for state fair at horse.osu.edu.

#### **173** Horseless Horse

Learn about horses without owning one. Over 20 different horse-related subjects are covered in easy-to-use worksheets. Also useful for the educational portion of club meetings. Written for the beginner but suitable for members of all ages. 2016. . . . . . . . **B** 

#### 174 Beginning Horse Management

This beginning-level project is for ALL youth starting in the 4-H horse program. The basics of caring for a horse, learning to ride, and showmanship are covered in 170 pages, many with color photographs. There is no time limit to complete this project. 2016. (\$14)......**B** 

#### 175 Light Horse Selection

Judge horses and classes after studying basic horse anatomy for a sound basis in the selection of pleasure or breeding stock. Use with 190R *Equine Record Book.* 4997. .....

#### 177 Horse Training: How to Talk to Your Horse

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### 180 Learning to Jump

Want to put your horse skills to work on something new? This project starts with a foundation of proper riding techniques, then teaches you the basics of how to jump in an easy-to-understand sequence of exercises. Expert tips and a troubleshooting guide keep you on track to have fun and stay safe while learning to jump. Use with 190R *Equine Record Book*. 2014.......

#### 181 Draft Horse

Are you fascinated with draft horses and want to know more about these magnificent giants? Learn about their care, feeding, harnessing, hitching, showing, and much more. Use with 190R *Equine Record Book* each year project is taken. 22013.....I

#### 182 Small Equine

This intermediate project is for a miniature horse, donkey, or mule. Learn the basics of caring for small equine, guiding in-hand and driving, and showmanship. Youth must complete 191R *Horses, Safety, and You*, and 174 *Beginning Horse Management* before taking this project. Use with 190R *Equine Record Book* each year project is taken. 2019.....

#### 184 Standardbred Horses

Learn how to safely harness your horse to a cart and drive, whether it is a Standardbred racehorse or a pleasure driving horse. Use with 190R *Equine Record Book*. 4 2000.....

#### 185 Equine Reproduction and Genetics

Explore breeding, and mare and foal management in a project that requires commitment. Use with 190R *Equine Record Book.* 2004......**A** 

#### 188 Trail Riding

#### 189 Dressage

By patiently developing a horse's mental and physical abilities, youth work toward a perfect understanding between horse and rider. This project asks youth to complete a "Planning Your Project" section, several activities, learning experiences, and citizenship/leadership activities; keep records; and write a one-page report. Requires access to a horse. Use with 190R *Equine Record Book*.

#### 762 Horse Nutrition

Explore digestion, nutrients, feedstuffs, rationing, and poison plant identification to protect the health of the horse you love. Use with 190R *Equine Record Book*.  $\bigcirc$  2000. (\$12)......

Required Supplements for Horse Projects **190R** Equine Record Book

Required for horse projects 175, 177, 180, 181, 182, 184, 185, 188, 189, and 762. Complete one record book every year. 2016.

#### 191R Horses, Safety, and You

This is required reading for all 4-H members and their parents to acquaint them with the safety issues involved with a 4-H horse project. Viewing videos on safety and ethics, and on helmet use is required with this publication. 2019.

#### Helper and Youth Supplement for Horse Projects

#### 179R Uniform Rules for 4-H Horse Shows

**Revised!** Contains updated rules and regulations. Required for all 4-H horse shows and events throughout Ohio. 2021.

#### Llamas and Alpacas

#### ohio4h.org/animalsciences

# 132 Llama and Alpaca Project and Record Book

Complete this required project and record book every year a llama or alpaca project is taken. Get to know all aspects of llama and alpaca care while keeping complete records of your experience as a llama or alpaca owner. Use with 132R *Llama and Alpaca Resource Handbook.*  $\bigcirc$  2020.....X

Required Supplement for Llama and Alpaca Projects **132R Llama and Alpaca Resource Handbook** 

This one-time purchase contains essential information for Ilama or alpaca projects, starting with their uses and selection, ending with training, and including everything in between. An excellent resource for skillathons and for the Ilama and alpaca enthusiast! 2008. (\$12)

Visit extension.osu.edu/lao to find contact information for your local Extension office.

#### Poultry

#### ohio4h.org/poultry

#### 150 Poultry Project and Record Book

Complete this required project and record book every year a poultry project is taken. Are you interested in raising chickens, ducks, geese, turkeys, or guineas? This project can help you take better care of your birds through the experience of feeding, watering, and monitoring your animal's health. 2015.

150CE Chicken, Exhibition
150CM Chicken, Market
150CEP Chicken, Egg Production:
Hens and PulletsX
150DE Duck, ExhibitionX, 🕈
150DM <i>Duck, Market</i> X
150GE Goose, Exhibition
150GM Goose, MarketX
150TE Turkey, ExhibitionX, 🕈
150TM Turkey, Market
150H Helmeted Guinea FowlX

#### Optional Supplements for Poultry Projects Need reliable, research-based sources for information about your poultry project? Visit articles.extension.org/poultry. Learn more at ohio4h.org/poultryresources.

The *American Standard of Perfection* from the American Poultry Association is the ultimate resource for anyone raising chickens, ducks, geese, turkeys, and guinea fowl. Current edition and price are available online from APA at **amerpoultryassn.com**.

The **Bantam Standard 2011** from the American Bantam Association supports bantam breeders and their special interests. Current edition and price are available online from ABA at **bantamclub.com**.

**National 4-H Poultry Judging** You may want this optional resource for evaluating poultry. It is a good reference to study before participating in a judging contest. Current edition and price are available online from University of Nebraska-Lincoln at **marketplace.unl.edu**.

#### Sheep

#### ohio4h.org/livestock

#### 198 Market Lamb Project and Record Book

Complete this required project book every year a market lamb project is taken. Use with 194R *Sheep Resource Handbook*. 44 2000.....X, **R** 

# 199 Sheep Breeding Project and Record Book

#### Required Supplement for Sheep Projects 194R Sheep Resource Handbook for Market and Breeding Projects

This one-time purchase contains essential subject matter information for members taking a market lamb or sheep breeding project. An excellent resource for skillathons! 2011. (\$19)

#### Optional Supplements for Sheep Projects 103R Beef, Sheep, and Swine Selection and Evaluation

This optional resource is for beginners who want to learn more about selecting and evaluating livestock. Purchase only once and refer to it when selecting projects or before attending a judging contest. 1995. (\$9)

**Pennsylvania Livestock Judging Manual** is an optional book for older youth that builds advanced evaluation skills. Learn to use performance data in oral reasons. Refer to it for information on how to handle market animals and understanding expected progeny differences. 1994. Available online at ohio4h.org/publications.

#### Swine

#### 139 Market Hog Project and Record Book

# 140 Swine Breeding Project and Record Book

#### Required Supplement for Swine Projects 134R Swine Resource Handbook for Market and Breeding Projects

This one-time purchase contains essential information for members taking a market hog or swine breeding project. An excellent resource for skillathons! 2001. (\$15.50)

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### **Optional Supplements for Swine Projects** 103R Beef, Sheep, and Swine Selection and Evaluation

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#### **Veterinary Science**

#### 244 From Airedales to Zebras, Level 1

This is the first in a series of three veterinary science projects to help you learn all about animals. Complete a variety of activities to learn about animals' basic needs, the purpose of body systems, how to improve biosecurity in your home or farm, identifying common veterinary tools, and so forth. For youth in grades 3 to 5. Use the same book 1-3 years. 2004.....B,

#### 245 All Systems Go! Level 2

Explore a wide range of activities related to veterinary sciences. Research proper environments for animals, examine parasite life cycles, conduct a food safety experiment, investigate disease-causing agents, and more. Designed for youth in grades 6 to 8, but may be taken by any youth who has completed From Airedales to Zebras. Use the same book 1-3 years. 

#### 246 On the Cutting Edge, Level 3

Learn more about animal behavior, animal diseases, genetics, and anatomy and physiology. Delve deeper into careers in veterinary medicine and other animalrelated careers. Designed for youth in grades 9 to 12, but may be taken by any youth who has completed Veterinary Science 1 and 2. Use the same book 1-3 

Helper Supplement for Veterinary Science The Veterinary Science Helper's Guide is for volunteer leaders looking for ideas to make meetings fun and educational. Available at shop4-H.org.

# **Clothing and Textile Science**

The Ohio 4-H clothing program helps develop knowledge, skills, and understanding about clothing appearance, buymanship, and construction. Projects are available regardless of gender or level of experience. Please refer to the individual project guides for detailed information and consult your county Extension office for specific requirements related to local and state evaluation opportunities.

Multiple Projects: 4-H members who take more than one clothing project must complete separate learning experiences related to each, including creating a separate, complete, Total Look outfit for each clothing project.

Repeating Projects: Members who repeat clothing projects should attempt new challenges each year such as doing more advanced experiments and surveys, and sewing more complicated patterns or harder-to-handle fabrics.

Learn About Sewing by Making a Quilt Check out 499 You Can Quilt! and 498 Quilting the Best Better, listed under Creative and Leisure Arts.

#### **Beginning-Level Projects**

For members with little or no clothing experience.

#### 407 Accessories for Teens

Designed as a beginning-level project for teens. Make at least one accessory to achieve a more complete appearance in an outfit. Complete activities related to using accessories effectively, taking a wardrobe inventory, and accessorizing for a Total Look.

1995.....B, 🔭

#### 409 Sew Fun

This project will have you sewing in no time! Members of any age learn basic sewing skills with an easy introductory project—fully elastic-waisted skirt, shorts, pants, or capris. A member who successfully completes this project can repeat it or move on to 413 Sundresses and Jumpers or 419 Terrific Tops. 2017......B, 🔭

#### 410 Designed by Me



Explore current fashion and various embellishment (or decorating) techniques to design a one-of-a-kind top that reflects your personality. Choose a T-shirt, sweatshirt,

button-down shirt, or a simple jacket and add at least two embellishment methods to show your style. Complete a neatness check, and learn how to make decorative stitches and sew on a button. This fun and 

#### 413 Sundresses and Jumpers

If you have covered the basics and want to learn even more, this is the book for you. Plan and make a sundress or jumper (with or without a top), and choose accessories. Then learn how to present your best 

#### 419 Terrific Tops

80

Want a flattering top that fits your personality? Make your own with this easy-tofollow project. Sew, crochet, or knit a top PEER REVIEWED from a pattern you choose. Learn how to take

your measurements accurately and add a few new sewing skills. Build an outfit around your new top and add accessories for a one-of-a-kind look! 2019. ... B, 🔭

#### **Intermediate-Level Projects**

For members with some 4-H clothing experience.

#### 411 em-bel-lish: A 4-H Guide to Wearable Art



This intermediate-level project is for members who want to embellish clothing. Numerous possibilities include appliqué, PEER REVIEwed batik, beading, dyeing, embroidery, and

many other techniques. Not a clothing construction book and not a how-to book, this is a general project guide that involves exploring embellishment ideas, identifying likely clothing items, learning a few techniques, and putting together a complete outfit. This project can be completed in lots of fun ways, all depending on what you want to learn. Interested members without clothing experience should start 

#### 412 Sew for Others

Completely revised! It can be just as much fun to sew for someone else as it is to sew for yourself! Construct one complete outfit for the person of your choice or adapt three different garments for someone with a disability. Analyze coloring, figure type, size, and preferences. Compare styles, colors, fabrics, workmanship, cost, and special features of ready-towear outfits with the constructed outfit. 2021. . . . . I, 🔭

# Are You a 4-H Alum?

Tell us your story! Did 4-H make a difference in your life? Do you get together with other 4-H alumni for an annual reunion or to collaborate on local projects? Share your experiences and how they have shaped your life by taking our alumni survey!

ohio4h.org/alumni

#### 415 Ready, Set, Sew Active!



In this intermediate project, make at least one garment in an outfit assembled for active sportswear. Along the way, PEER REVIEWED evaluate your buying habits, complete a plan for accessories, and evaluate your total 

#### 418 Loungewear

Items constructed for this project can be simple or complex. Plan and make the outer layer of an outfit for lounging such as a cotton robe, a fleece shawl, or a terry cloth cover-up—whatever fits your sewing ability, lifestyle, and loungewear needs. Make or select other garments and accessories (sleepwear and footwear) to complete your loungewear outfit. 2011.....X, 🕏

#### 424 Clothing for Middle School

In this intermediate-level project for youth in grades 5 to 8 or 9, you make (a) at least one garment with sleeves or (b) a skirt or pants plus a top such as a vest, collarless jacket, sweater, blouse, shirt, or other top with or without sleeves. Assemble a total outfit featuring the garments made to wear to school. Check and improve personal grooming habits and posture. Strive for a Total Look each school day, and do needed repairs. 2000..... I, 🔭

#### 430 Shopping Savvy

This fun and informative project is for members with some clothing project experience. After members take stock of their current wardrobe, they compare different brands of the same clothing item, study current fashion trends, learn proper clothing care and, of course, go shopping! This project does NOT involve sewing or clothing construction skills. 2011..... I, 🔭

#### **Advanced-Level Projects**

For members who have mastered basic clothing construction or consumer projects, and who are ready for new challenges.

#### 406 Clothes for High School and College

This advanced-level project is for members in high school with some clothing experience. Construct an outfit with a minimum of two pieces, or a one-piece garment with sleeves, plus some other style detail not tried before. Do a wardrobe inventory and analyze personal color, texture, and lines. Practice good 

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### 408 Creative Costumes

Participants choose to make a costume in one of four categories: historical, ethnic/cultural, theatrical, or special interest. Goals include understanding clothing and its significance, and applying new knowledge to planning and making a costume. Projects are evaluated on the Seven Clues to a Total Look and on fit, construction, design, accessories, authenticity, and knowledge of the costume's history. 1995. . . . . . . . A, 🔭

#### 417 Dress-Up Outfit

Make at least one dress-up garment to be worn as part of a total dress-up outfit. Visit stores and examine ready-made dress-up garments. Analyze personal coloring, body build, image, and personality. 1990.A, 🕈

#### 420 Outerwear for Anywhere



Take this project to use your advanced-level skills to make a coat, jacket, or other outer garment. Evaluate patterns and fabric to PEER REVIEWED match your skill level and master new

sewing skills. Learn about support fabrics for shaping undercollars, constructing collars and coat linings, and 

#### 425 Look Great for Less

In this advanced-level project, members are challenged to use creativity and resourcefulness to pull together a Total Look outfit as inexpensively as possible. Compare different types of clothing stores, explore second-hand shopping, learn when sales are most likely to occur, evaluate clothing quality, then shop for an outfit! No sewing skills required. 2013. A, 🕈

#### 426 Clothing for Your Career

Advanced-level members of any age make and evaluate an outfit that has at least two pieces, provides new challenges, and fills a job or an interview need. Learn about styles that look best on different body types, explore a job in which you are interested, and learn about planning a wardrobe that projects a positive image. Do at least two alteration/ recycling experiences, and compare costs with an 

#### 432M Sewing and Textiles (non-Clothing) Master

This project is for members who want to sew something other than clothing, namely home decor, and requires specialized or professional-level skills. 4-H members of any age can complete this project, but should have considerable previous sewing experience and be able to plan and complete the project on their own with minimal supervision or assistance. Available online at ohio4h.org/publications. 2014.....A

## Communication

Communication skills and activities are built into every project. Doing a demonstration for fellow club members, presenting to outside groups, and interviewing are common activities for 4-H members. If you are interested in a project that focuses on communication skills, please check to see if one is offered in your county. Ohio 4-H offers the following projects and communications events at the state fair. Go to ohio4h.org/ohiostatefair for more information.

#### 377 Finding Your Voice: Public Speaking Made Easy



Want to learn a skill you can use for the rest of your life? This project shows members with little or no public speaking experience PEER REVIEWED how to prepare and deliver speeches in

front of crowds, large and small, with confidence. Take a look at how the pros manage this skill, then learn how to handle various speaking situations, deliver different types of speeches, and resolve any problems you experience along the way. Your confidence builds 

#### **Optional Supplements for Communication** 4-H 46 Demonstrations for 4-H Members

Recommended as a resource for individuals and teams who are planning to participate in a demonstration contest. Learn the basics of giving an illustrated talk and using visual aids. Available online at ohio4h.org/publications.

# **Totally Thrilling Science** (set of 25)

These ten 10-minute hands-on science activities guarantee fun at club meetings and other gatherings. Presented in a vintage comic book format, the activities are engaging, easy to implement, and appropriate for all ages. Teen leaders and non-science adults can lead them! Materials are likely to be on hand or readily available at grocery stores or other retail locations. Support materials and additional activities are available at ohio4h.org/10-minute-science. Take the starch out of club meetings by adding fun activities to your agenda!

# **Creative and Leisure Arts**

#### **Cake Decorating**

#### 492 Cake Decorating Project and **Record Book**

Track your learning as you gain new skills and showcase your cake decorating talent! Complete this project and record book every year a cake decorating project is taken. Includes separate Skills and Techniques Record. Use with 492R Cake Decorating Resource Handbook. A 2012. Enroll in the level that matches your accomplishments in the Skills and Techniques Record:

492B Cake Decorating Beginning
4921 Cake Decorating Intermediate I, 🔭
492A Cake Decorating Advanced

#### **Required Supplement for Cake Decorating** 492R Cake Decorating Resource Handbook

This all-inclusive cake decorating book from Wyoming 4-H includes everything from baking the cake to decorating with special effects. 2001.

#### Collecting

#### 496 My Favorite Things



Are you interested in creating a personal collection? Want to take a collection you already have to the next level? Learn about PEER REVIEWED types of collections, the collecting process,

and how to best display your items. For members of 

#### **Fine Arts**

#### 498 Quilting the Best Better



After you complete You Can Quilt!, practice and refine your guilting skills by using the half-square triangle method on a built-in PEER REVIEWED community service project and on your own

lap quilt. Use some advanced tools and gadgets 

# **Don't Forget to** Say Thanks!



Take the time to express your gratitude towards the sponsors and donors of awards you receive.

#### 499 You Can Quilt!



Curious about quilting but don't know where to start? Look no further! Just gather guilting tools, select and cut fabrics, stitch pieces PEER REVIEWED together, and before you know it—you're quilting! Make two mini quilts. 2018..... I, 🔭

You can go beyond these guilting project books by taking a 365 Self-Determined project. Define a project according to your own interests and still be eligible for Quilt Day at the state fair. See page 29 for more information on self-determined projects.

#### 592 Get Started in Art



Explore the basic elements of visual art through activities on color, line, space, balance, and more, and then complete your PEER REVIEWED own work of art. Ceramics, drawing,

painting, sculpture, printmaking, design, and crafts are all possibilities. For members of all skill levels and ages, this project can be repeated as long as new learning takes place and new works of art are 

#### 593 Seeing Through Graphic Design

Learn more about visual communication with this hands-on approach to graphic design. Activities cover color, typography, design basics, symbolism, and branding. Showcase what you learn in a project 

#### Genealogy

#### 442 Family History Treasure Hunt



This popular genealogy project book guides you through six years of activities. Discover your family history as you go on a treasure PEER REVIEWED hunt for jewels of information such as interesting relatives, special events, and curious stories of days gone by. The records you create will last a lifetime. Use the same book up to 6 years. 2018.

#### Photography

#### 584 Photography Basics, Book 1

Completely revised! This beginning study of photography gives you the tools you need to succeed. Choose at least two activities in each of these areas: equipment, lighting, composition, and skill building. Topics include flash, black & white photography, and taking selfies! Access to a camera (phone or DSLR) is essential. Use the same book 1-3 years. 

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced levelWhen

#### 585 Next Level Photography, Book 2

**Completely revised!** Continue your photography journey! Choose at least two activities in each of these areas: equipment, lighting, composition, and skill building. Topics include the rule of thirds, selecting a lens, and panorama. Access to a camera (phone or DSLR) is essential. Use the same book 1-3 years. 2019. 

#### 586 Mastering Photography, Book 3

Completely revised! Learn more about what you love! Choose at least two activities in each of these areas: equipment, lighting, composition, and skill building. Topics include smartphone exposure tips, low light challenges, and studio portraits. Access to a camera (phone or DSLR) is essential. Use the same book 1-3 

#### 589M Photography Master

This project is for members who want to make a photography project in a category that is different from other 4-H photography project categories or that requires specialized or professional-level skills beyond those typically used in other 4-H photography projects. Members of any age may complete this project, but should have previous photography experience (comparable to what is required for other advanced-level 4-H photography projects), and be able to plan and complete the project on their own with minimal supervision or assistance. 2013. Available online at ohio4h.org/publications......A, **R** 

#### Scrapbooking

#### 497 Scrapbooking: A 4-H Guide to Preserving Memories

This project is designed for youth with limited or no experience in scrapbooking. Requires completion of project activities and creation of a scrapbook. Can be repeated by completing additional activities and a 

#### Writing

#### 588 The Writer in You



Find the motivation you need to start or continue your exploration of the art of writing. Explore why to write, where to get PEER REVIEWED ideas, theme, character, plot and setting,

word choice, imagery and dialogue. Keep it all in one place to create a portfolio each year. 2016. ..... I

# **Food and Nutrition**

The Ohio 4-H Food and Nutrition program helps develop knowledge, skills, and understanding of nutrition, menu planning, safe food handling, kitchen equipment safety, consumer knowledge, fitness, meal and time management, and food and nutrition-related careers. Please consult your county Extension office for specific requirements related to local and state evaluation opportunities.

All Ohio 4-H food and nutrition projects use MyPlate, which incorporates current USDA recommendations about eating and exercise. For information about MyPlate, go to choosemyplate.gov. There is even a MyPlate mobile app!

#### **Beginning-Level Projects**

Beginning-level projects are for members of any age with little or no experience in food preparation and nutrition.

#### 459 Let's Start Cooking



This project takes a fresh look at basic cooking and baking skills. You'll learn about kitchen equipment and food prep, and how PEER REVIEWED to read recipes and measure ingredients.

Then you'll tackle how to slice and dice food, and how to cook in a microwave oven, on the stove, and in a conventional oven-all while keeping safety in 

#### 481 Everyday Food and Fitness



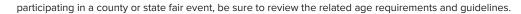
Learn how to prepare healthy and hearty snacks using MyPlate as a guide, and discover how powerful healthy food can be PEER REVIEwed for your body and mind. Fun and easy recipes help build your skills in the kitchen. See how well your current diet fits into the MyPlate food groups. Find out what makes grains great, and why

vitamins and nutrients are so beneficial. This project shows you how to add exercise to a healthy diet and find the path to a better quality of life. 2018......B, 🕈

#### 484 Snack Attack!

This project includes seven activities and related recipes for healthful snacks. Members who complete this project are encouraged to take other beginning-

Your reviews help others! Rate and review the projects you take at ohio4h.org/projectcentral.



#### 487 Take a Break for Breakfast



Starting each day with a nutritious breakfast is important, and now it's fun too. See how you can combine foods from different food PEER REVIEWED groups for fun and delicious ways to start

the day. Intended for members who have completed at least one other beginning-level food and nutrition 

#### **Intermediate-Level Projects**

Intermediate-level projects are for members of any age with some experience in food preparation and nutrition.

#### 461 Let's Bake Quick Breads



Learn how and why quick bread recipes are so tasty as you bake your way through updated activities. See what makes a wheat PEER REVIEWED kernel tick, and learn how the quick bread

ingredients react with one another. You'll also explore careers in the kitchen, and learn how to alter a recipe for more healthful benefits. Includes gluten-free 

463 Sports Nutrition: Ready, Set, Go



Eating well and exercising daily are two keys to a healthy life. This project shows why these habits are worth forming. Learn PEER REVIEwed how to balance the calories you eat with the

calories you burn, why to hydrate, and how carbs, protein, and fats work to support your body and mind. Use what you learn as you compete in sports or simply to increase your fitness level. 2018..... I, 🕈

#### 472 Grill Master

Progress from grill apprentice to grill master as you focus on the safe use of a grill while preparing delicious meals. By completing six activities and a selection of recipes, you'll learn about appropriate portion sizes, cooking meat to safe temperatures, and using gas and charcoal accessories, all while learning to prepare a complete meal. Because of the grill, recommended for youth ages 11 and above. 2011. . I, 🎗

#### 475 Star Spangled Foods

Discover the customs and traditions that influence some favorite regional American foods and the way we like them by experimenting with keeping and 

#### 477 Party Planner: A 4-H Guide to Quantity Cooking



The secrets of cooking for a large party can be yours. These eight activities and recipes show you how to plan, budget, and safely prepare foods for large groups. 2018. . . I, 🔭

#### 485 Racing the Clock to Awesome Meals

This project focuses on the knowledge and skills needed to prepare quick, nutritious, low-cost meals. It builds on basic food preparation skills so you can tackle difficult recipes while being creative with ingredients. Seven activities and recipes are included. 2010.... I. 🔭

#### 486 Dashboard Dining: A 4-H Guide to Healthful Fast Food Choices

Look at fast food in a whole new light! This project book shows you how to make fast food menus part of a healthy lifestyle. From understanding true food portions and healthful choices to "designing" your meals with your new nutrition knowledge, you will learn skills to last a lifetime! 2012..... I. 🖁

#### Want to learn about canning and freezing food?

Check out 670 Canning and Freezing, an intermediate gardening and plant science project listed under Natural Resources on page 23.

#### **Advanced-Level Projects**

Advanced-level projects are for members with substantial experience in food preparation and nutrition.

#### 462 Yeast Breads on the Rise

Master the art of baking delicious yeast breads. Learn the principles of yeast bread preparation, and learn how mixing techniques and ingredients determine product character and quality. Use the same book 1-2 

#### 467 You're the Chef

Prepare creative, nutritious meals using the oven, range top, microwave, slow cooker, and stir-fried foods. Vegetarian foods and selecting foods at the 

#### 469 Global Gourmet



Create rich and delicious meals from Mexico, Africa, Japan, India, Italy, Greece, and Germany as you explore food history, PEER REVIEWED customs, and nutrition to better understand 

#### 474 Beyond the Grill



Explore a variety of outdoor cooking skills while finding easy ways to follow the USDA's MyPlate guidelines. Experiment with a pie PEER REVIEWED iron, solar cooker, and rotisserie, and hone your skills on the grill, then throw a cookout party and 

🖁 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### 476 Pathways to Culinary Success

Explore a variety of new experiences to gain a basic understanding of culinary arts. Learn techniques used by cooks and chefs, the use of basic equipment, and the art of meal presentation. Prepare meats, stocks and sauces, pies and pastries, and garnishes! Career exploration, advanced recipes, and activities are included. Youth taking this project should have completed projects at the beginning and intermediate 

# **Healthy Living**

#### 300 You're the Athlete

For youth who participate in sports and for the adults who work with them. Learn the fundamentals of being a well-rounded athlete with research-based information and fun activities that develop important knowledge, attitudes, skills, and aspirations in sportsmanship, time management, goal setting, nutrition and sports, strength and conditioning, leadership, conflict resolution, and careers in athletics. Activities are designed for use in developing your personal sport-specific interests. Complete the project activities individually, with team members, or with other groups. For members 11 and older. Updated to 

#### 351 Staying Healthy

Are you ready to learn how to keep your body healthy? Have fun learning to keep fit, increase your brain power, and express yourself in positive ways. 2005......B, 🔭

#### 352 Keeping Fit

Develop a personal fitness plan to gain the benefits of exercise and test your fitness knowledge. 

#### 353 First Aid in Action

Ideal for 3rd to 5th grade 4-H members. Learn about first aid and create your own family first aid 

#### 354 Medicine Science and Safety



Who should help you make decisions about medicine? How can you stay safe around it? These and other important questions are answered with five hands-on activities that

get right to the point. Follow the core messages and become a good example for others. Learn about careers in pharmacy too! 2021. Available November 

#### 355 Tracking Your Health and Fitness



Learning about health and fitness is interesting and fun if you know about your vital measures. Take them by hand or with a fitness tracking device. If you want, you can

even build your own device with a Physbot kit available from **extensionpubs.osu.edu**. No matter what you choose, you will come away with very useful life skills. Available January 2021..... I, 🔭

#### 357 Alcohol and Drug Abuse



Designed for advanced-level youth interested in learning about this growing problem. In addition to how alcohol and PEER REVIEWED drugs affect brain performance, this project

covers the nature of addiction, how alcohol is marketed, why teens use, and how best to respond to 

#### 358 The Truth About Tobacco



The nicotine in cigarettes and other tobacco products threatens the health of those who use tobacco and those exposed to PEER REVIEwed secondhand smoke. So why does anyone smoke? In this project, youth learn more than just physical effects of tobacco use, but how tobacco

products are made, marketed, and consumed in 

#### 359 Your Thoughts Matter: Navigating Mental Health

What does mental health really mean? How many people are affected by mental health 50 issues such as anxiety and depression? Be PEER REVIEWED part of the solution by learning the answers to those questions and more. Intended for advancedlevel youth who are interested in learning more about mental health, why it is important to overall well-being, and steps that promote understanding and action. This project is not intended as a resource for those in crisis. If you or someone you know is struggling with a mental health issue, please seek adult or professional 

# **Ohio 4-H Conference**

#### Please visit

ohio4h.org/about/ohio-4-h-conference

for up to date information about the 2021 Ohio 4-H Conference.

# Home Living

#### 405 The Laundry Project



Everyone loves clean laundry but how do you do it? Learn about laundry machines and products, how to be environmentally **PEER REVIEWED** friendly in the laundry room, and how to sort

and clean laundry items. Conduct an experiment to learn how heat affects different types of fibers too! Appropriate for members of all ages with no 

#### 491 It's My Home



You can be a big contributor to your household in so many ways. Why not do so AND keep your own sense of style? This PEER REVIEwed project covers basic design elements,

organization, upcycling, and service learning. All the activities can be done with your excellent decision 

#### 494 Makeover My Space

Ready to make a big change in your bedroom or in a common room in your home? This project, which is all about room makeovers, is intended for members with little or no design experience who are old enough to complete a significant interior decorating project independently. Ten project activities cover planning, design basics, color, flooring, walls, windows, and 

#### 495 Your First Home Away from Home

Plan your college dorm room, first apartment, or house using housing, furnishing, equipment, and management principles. Specifically for youth ages 15 and above. Available online at ohio4h.org/publications. 1990......A, 🔭

# Leadership and Citizenship

#### **Optional Supplements for Club Officers** Club Officer Resources

Club officer handbooks for president, vice president, secretary, treasurer, news reporter, health officer, safety officer, and recreation leader are available online. To access these and other club resources, go to ohio4h.org/members/officers.

#### 384RI Parliamentary Procedure Pocket Guide 384RS Parliamentary Procedure Pocket Guide (set of 5)



Whether you are already a club leader or want to become one, this quick reference supplies information about planning and conducting meetings at your fingertips.

Based on Robert's Rules of Order, it covers agendas, simple procedures like opening and closing, motions, and amendments. 2018. (\$23 for set, \$6 for single copies)

#### 370 One on One

This is a mentoring project designed for teens ages 13 and older with at least two years of 4-H experience. Teens mentor at least one beginner 4-H member and complete a series of learning experiences with their protégés. Available online at ohio4h.org/publications. 

#### 371 Club Leadership 1



Would you like to become a 4-H club officer, or are you one already? This project is for members who have some experience in PEER REVIEwed leadership and who want to learn more about what it takes to become a well-balanced and successful leader in 4-H and in life. You'll look at

inspirational leaders and various leadership styles, then develop your skills through a series of fun activities using real-life examples from your club experiences. 2014..... I, 🖈

#### 383 Club Leadership 2



Make the best better in your 4-H club by improving your leadership skills and the way you assist advisors and club members. PEER REVIEWED Use your life experiences to find your leadership strengths, improve your speaking skills, and build relationships. Discover how to get to know

your team, resolve issues, and develop a team plan. Intended for current club officers or chairs of 

#### 372 Diversity: The Source of Our Strength



See life from various perspectives and have fun learning about new situations and people who are different from you. Show PEER REVIEWED what you have learned with a capstone project in any creative format you choose. 2019. . A, 🕈

ohio4h.org

#### News • Events • Resources • Statewide Programs

🖁 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### 373 My Hands to Larger Service: Teen Leaders Building Our Communities

Teen leaders in 4-H have been leading community service projects for years. Here's a project book that supports their efforts. No matter what your specific project is, this book takes you through the nature of service, making plans, recruiting a "crew," getting it done, and evaluating your accomplishments. Yes, you 

#### 374 Teens on Board



Learn to arrange more productive meetings and to participate in them more effectively. Great for teens with some leadership PEER REVIEWED experience who are interested in learning

more about the purpose and functions of boards, or who are serving on a board for the first time. 2014. I, 🕈

#### 375 Leadership Road Trip: Where Are You Going?



Are you interested in learning about what it takes to become a good leader? Begin your leadership adventure by answering PEER REVIEWED questions about yourself and the people close to you, by setting goals, by practicing

communication, and by making a commitment to lead. Intended for youth old enough to explore the nature 

Optional Substitute for Leadership Road Trip (375i) This project is also available as an iBook. For \$5.99, you can keep your project records on your iPad. See ohio4h.org/publications. 2016.

#### 376 Pantry Panic



This advanced-level project is for community-minded youth who want to take 🔊 a step back and look at food in a broader PEER REVIEWED context. "Food insecurity" is an issue

affecting much of the world's population and many people right here in our own communities. Learn about hunger in your community, and develop the skill and imagination to prepare healthful meals from ingredients you have on hand or might receive from a food pantry. Consider it a challenge! 2014. . . . . . . . 🗚, 🔭

#### 378M Leadership Master

This project is for teens who want leadership experiences different from the opportunities provided through other 4-H leadership projects. 4-H teens who complete this project should have enough previous leadership experience to be able to plan and complete this advanced-level project on their own with minimal supervision or assistance. Available 

# **Money Management**

#### 445 Becoming Money Wise

Designed for youth ages 10 to 13. Monitor your cash flow and see where your money goes by developing a budget and good records to become a responsible consumer. Designed as a beginning-level book. Use the same book 1-2 years. 1995......B

#### 448 Teens On the Road to **Financial Success**

Teens ages 14 to 19 have the opportunity to organize their financial lives by analyzing spending, obtaining and managing banking services, making consumer decisions, and exploring financial careers. Use the same book 1-2 years. 2000......A

Helper Supplement for Money Management Are you a group leader looking for individual or club activities to teach money management? The High School Financial Planning Program includes leader-directed activities, youth workbooks, and complete background information for the following topics: Money Management, Borrowing, Earning Power, Investing, Financial Services, and Insurance. Available for download or order, both free, at hsfpp.org.

# **Natural Resources**

#### **Gardening and Plant Science**

#### 670 Canning and Freezing



Explore water bath canning and freezing home preservation methods with this interesting and informative project.

PEER REVIewed (Pressure canning is not included.) Learn how pH determines which canning method to use, become familiar with canning equipment, learn when fruits and vegetables are in season, and preserve produce using the freezing method. The last activity is an easy, step-by-step guide to water bath canning your own applesauce! Members must have access to a current, reliable home food preservation guidebook. 2012.... I. R

671 How Does Your Garden Grow?

This easy gardening project helps you create a beautiful flower garden no matter where you live. Learn how to select and care for annuals that match your space. Create a garden in the ground or in 

#### 673 Edible Landscapes



Beginning-level youth of any age can learn to grow edible plants. Add edibles to the current landscape, swap existing plants for edible plants, create a new garden, or do all

three! The activities guide you as you complete a site evaluation, plan which edible plants to use, plant and nurture them, and then enjoy the fruits and vegetables as they ripen. 2021. Available December 2020.... I, 🕈

#### 691 Grow Your Own Vegetables



Find vegetables you like to eat and can grow with activities that take you from planning and designing to growing and PEER REVIEWED harvesting. Whether you grow your own in a

garden or in containers, you can end the season with delicious and nutritious food for your family's table. 

#### 692 Growing with the Seasons



Take your garden to the next level with easy-to-implement intensive gardening methods that use available space and the PEER REVIEWED entire gardening season. Having a garden is

special. Being able to save and share its bounty is good too! Completing the Grow Your Own Vegetables project first is highly recommended. 2019. (\$10) 📖 I, 🔭

#### **The Natural World**

#### 611 Explore the Outdoors



This project opens your eyes to the great outdoors, so get your backpack and field guides ready. The first activity shows how to PEER REVIEWED prepare for an outdoor adventure so you can explore the woodlands, fields, wetlands, and the geology of Ohio. Once you see nature with new

appreciation, you'll want to learn more! Intended for youth of all ages interested in Ohio's wildlife and 

#### 612 Geology: Can You Dig It?



Discover our planet's past with clues in rocks, minerals, and fossils that you collect. Learn where to find these items, how to reviewed identify them, and how they formed.

Showcase all your findings in a display of your design. 

Ohio State University Extension, 4-H Youth Development publications are available through OSU Extension offices and online at

#### extensionpubs.osu.edu

#### 613 Explore the Poles



Where do penguins live? Is the Arctic really ALL ice? Take a close look at the Arctic and Antarctica by learning more about their geography, glaciers and sea ice, and plants and animals. Have fun with hands-on activities, learn

about related careers, and take an active role in protecting these beautiful and unique environments. 

#### 617 Exploring Ponds

Members who are experienced in exploring the outdoors can learn all about ponds with this in-depth project. First, look at the "big picture" starting with Earth's water cycle and water conservation, then zoom in and learn about your pond's health and its ability to support many 

#### 620 Why Trees Matter



Members develop their interest in trees and our natural resources with cool experiments. Each activity highlights how trees function PEER REVIEWED individually and how they play a role in our everyday lives. 2018. .....B, 🔭

#### 621 Ohio Birds

Observe and identify birds with bird feeders in your yard and on field trips to see the many benefits our feathered friends provide. Use the same book 1-2 

#### 622 Trapping Muskrats in Ohio

In this project, learn about the biology and behavior of muskrats, and how to ethically and humanely trap muskrats. Use the same book 1-2 years. 1997. . . . . I, 🔭

#### 623 Outdoor Adventurer: **Beginning Fishing**



Here's a great reason to get outside. Learn some fish basics and how to catch them. Then concentrate on filling the log book with all your fishing trips. 2018. . . . **B**, **R** 



#### 624 Outdoor Adventurer: Intermediate Fishing

Learn more about the outdoor sport you love with activities that explore how to find fish and how to get them to bite. Includes cleaning. Completing the Outdoor Adventurer: Beginning

Fishing project first is highly recommended. 2019. I, 🔭

#### 641 Beekeeping Project and Record Book

Beekeeping offers learning and fun for members of all ages. The beekeeping project and record book covers project requirements, colony care and

🖁 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

management, and basic beekeeping records. 4-H members should complete this required project book every year a beekeeping project is taken. Requires 

#### ohio4h.org/insects

#### 644 Insect Adventures 1

Insects are always fun, but they are not always this fun! This project guides you through "entomology" basics like insect types and parts, how to catch insects, and why they are so important to us. Make your own collection of 30 insects! 🕰 2018. . . . . . B, 🕈

#### 645 Insect Adventures 2



Dig a little deeper into the world of insects by learning to love a caterpillar, recognizing relatives of insects, building a new trap, and PEER REVIEWED identifying friendly predators. There's more

too! Your collection at this level is 40 insect

#### 646 Insect Adventures 3



These activities take you to expert level as you dissect a grasshopper (yes, you read that right), explore insect history, investigate PEER REVIEwed trapping, and welcome "beneficials."

Anyone want a room in the bee hotel? Finish with your own collection of 50 insect specimens. 🕰 2019. ..A, 🕈

#### **Required Supplement for Insect Projects** 644R Insect Collection Guide



This how-to resource guides you through collecting insects, what to pin and what to point, spreading butterflies, and displays. 2021. (\$TBD) Available January 2021.

#### **Shooting Sports**

#### 630 Safe Use of Guns



This project sets the tone for a safety-first attitude around guns. Take the safety pledge, then learn about pistols, rifles, and shotguns by getting to know their parts and

how to handle them. Actually shooting a firearm is not a requirement in this project. This is a beginning-level, one-time project for members who have an adult to 

#### 631 Basic Archery

Aim your energy toward a sport that develops knowledge and skills in basic archery safety. This is a beginning-level, *one-time* project for members who have an adult in the home or neighborhood who can  Ohio 4-H offers exciting opportunities in rifle, archery, shotgun, pistol, hunting and wildlife, muzzleloader, and living history through the Ohio 4-H Shooting Sports Program. For more information, go to page 31 and ohio4h.org/shootingsports.

# Science, Technology, **Engineering, and Math (STEM)**

#### **Aerospace Science**

#### 501 Rockets Away (2-liter Bottle Rockets)

Study the science of rocketry through a variety of hands-on experiments for all ages. Members conclude this project by building and launching 2-liter bottle water rockets. A bottle rocket launcher may be available from your county Extension office. Visit our website at ohio4h.org/rocketsaway. Note: Members wishing to launch solid-fuel model rockets should take 

#### 502 Science Fun with Flight

Experiment with the forces of flight by building and flying a model airplane or glider to soar above the earth. This project does not include radio-controlled airplanes or helicopters. 2012......B, 🔭

#### 503 Rockets Away (Solid-Fuel Model Rockets)

Study the science of rocketry through a variety of hands-on experiments for all ages. Members conclude this project by launching a solid-fuel model rocket built from a kit only; no scratch building. Note: Members wishing to build and launch 2-liter bottle 

#### 503M Solid-Fuel Rocketry Master

This project is for members who have completed 503 Rockets Away!—Solid-Fuel Model Rockets and who want to continue to develop specialized skills like scratch building. Members of any age may complete this project, but they should have significant experience in rocketry (comparable to what is required for other advanced-level 4-H projects) and be able to plan and complete the project on their own with minimal supervision or assistance. Available 

**Optional Supplement for Rockets Away!** Extension educators have found helpful sources for launchers at ohio4h.org/rocketsaway. Your local Extension office may also have some to lend.

#### All-Terrain Vehicles (ATV)

#### 555 ATV Safety



Stay safe while you ride! Lessons rely in large part on information from the ATV Safety Institute and are designed to put PEER REVIEWED safety first. Covers getting familiar with your

ATV, protective gear, riding techniques, safe strategies and safe practices, and respecting the environment. Includes practice records. Supervision by a certified ATV instructor and enrollment in an ASI RiderCourse is recommended but not required. 2011. . . . . . . . . . . X

**Optional Supplement for All-Terrain Vehicles** ATV Safety, Leader's Guide directs leaders on how to implement service learning projects, involve parents in supervision/education of young riders, and much more. Available online at ohio4h.org/publications. 2011.

#### **Bicycle**

#### 517 Bicycling for Fun, Level 1

Beginning riders learn the essentials for getting started safely and successfully! Activities cover cycling gear, bicycle parts, selection, fit, rules of the road, and more. Complete at least seven activities each year. 

#### 518 Wheels in Motion, Level 2

Youth learn advanced skills as they explore their surroundings. Activities cover buying, maintenance, repair, road skills, and cycling for life. Complete at least seven activities each year. Use the same book 

#### Helper Supplement for Bicycle

The Bicycle Helper's Guide is for helpers who are working with the Bicycle Adventures series (517–518 above). It has activities and ideas related to basic bicycle handling, traffic skills, and bicycle events for the entire group. Available from National 4-H at shop4-h.org.

#### Chemistry

#### 493 Science Fun with Kitchen Chemistry



Join the Terrestrial Alien Defense Academy and figure out how to outsmart the aliens by doing experiments in your kitchen. Learn PEER REVIEWED about what matter is and how it changes

form; explore the different properties of matter; find out about acids and bases; and discover how everyday items and kitchen ingredients can be used in cool tests! 2014......B, 🕏

#### Electricity

#### 527 Magic of Electricity, Level 1

Youth explore why certain things insulate from electricity better than others and the effect that magnetism has on various substances. Youth learn how to build a flashlight, a compass, an electromagnet, and an electric motor. Use the same 

#### 528 Investigating Electricity, Level 2

Youth build circuits and test voltages, and build a rocket launcher and a burglar alarm as they practice decision making and communication. This unit is designed for youth who understand magnetism, electron flow, and circuit design. Use the same book 

#### 529 Wired for Power, Level 3

Youth build on skills learned in levels 1 and 2 plus learn measuring electrical usage, replacing electrical switches, and determining electrical loads. Youth also evaluate different bulbs and test for electrical power. 

#### 530 Entering Electronics, Level 4

This unit introduces the basics of solid-state electronics and provides hands-on activities for practical experience in understanding modern day electronic equipment. This project can be taken after youth successfully completes 528 Investigating *Electricity* and has solid soldering skills and circuitry knowledge. Use the same book 1-3 years. 2002. .A, 🕈

#### 531 Science Fun with Electricity

This beginning electricity project book includes 11 kid-friendly and time-tested experiments about static electricity, currents, electromagnetism, electric motors, and electric light. Each experiment has a brief introduction, a supply list, and step-by-step instructions that bring an electrical concept to life. 

#### Helper Supplement for Electricity

The *Electric Group Helper's Guide* is for helpers working with the Electricity Excitement series (527-530 above). It has activities and ideas to make your group meetings more fun and educational. Available from National 4-H at shop4-H.org.

#### Energy

#### 550 Young Engineers in Solar Energy



Jump-start your career in engineering with this hands-on introduction to the sun as an energy source. Nine activities lead you

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

through the nature of light, Earth's relationship to the Sun, and the technology that allows us to use its energy. Directions for simple make-at-home scientific 

#### **Food Science**

#### 490 Science Fun with Dairy Foods: The Case of the Missing Milk



Your kitchen becomes a laboratory as you observe and experiment with dairy products. 🐼 As a member of the Dairy Police Task Force, PEER REVIEWED discover the science behind butter, cheese,

and curds while solving the mystery of The Missing Milk. After completing this project you are encouraged to explore other Science and Food and Nutrition 

**Knots** 

#### ohio4h.org/knots

#### 540 Not Just Knots



Learn to make 14 different simple knots, bends, and hitches. Remember what they say-practice, practice, practice! Then show PEER REVIEWED what you have learned with a capstone

project of your choosing. Sample capstone projects are available at ohio4h.org/knots. 2016.....X, 🕈

#### **Physics**

#### 500 Science Fun with Physics



 Let your inner scientist uncover the mysteries of physics at play in daily life. The amazing magician Franco Newtoni is your prese Reviewed guide as you try each experiment. You'll see

the forces of nature, energy, and the power of physics at work—or is it magic? This STEM project will satisfy 

#### **Robotics**

#### ohio4h.org/robotics

#### 507 Robotics 1 with EV3



Use the newest LEGO<sup>®</sup> technology to learn what a robot is, how to build one, and how to program it. Activities are based on the PEER REVIEWED EV3 Core Set available from LEGO®

Education for about \$400. Other EV3 kits may not be the same! (Go to ohio4h.org/robotics for details.) A computer for running the programming software and internet access for watching videos are required. 2015.....I, 🔭

#### 508 Robotics 2: EV3N More



This second book in the Ohio 4-H robotics series includes new robot configurations and programming challenges in the book PEER REVIEWED and fresh instructional videos online.

The LEGO® EV3 robot from Robotics 1 with EV3 is required (no new LEGO® purchase is necessary). A computer for running the programming software and internet access for watching videos are 

#### 512M Robotics Master

Want to continue with robotics after completing the existing Ohio 4-H robotics projects? Want to explore robotics with a different platform (other than LEGO<sup>®</sup> Mindstorms EV3)? Members of any age may complete this project, but should have previous robotics experience (comparable to what is required for other advanced-level 4-H projects), and be able to plan and complete the project on their own with minimal supervision. Available online at ohio4h.org/publications. 2013.....A, R

#### **Small Engines**

#### 541 Crank It Up, Level 1

Youth focus on basic small engine knowledge, study external engine parts, discover tools of the trade, and learn the concepts behind what makes small engines work. They explore the uses of small engines and safety issues. Use the same book 1-3 years. 2005.B, 🔭

#### 542 Warm It Up, Level 2

Youth explore internal parts of engines, learn about engine sizes, compression ratios, seasoning their engines and safety issues. Youth also learn about occupational possibilities and about starting their own business. Use the same book 1-3 years. 2005. . . . I, 🕈

#### 543 Tune It Up, Level 3

Youth tear down and rebuild an engine, use diagnostic tools, research rules and regulations about using small engine machines, and select replacement engines. Use the same book 1-3 years. 2005. . . . . A, 🔭

Helper Supplement for Small Engines The **Small Engines Helper's Guide** is for helpers working with the Small Engines series (541–543 above). It has activities and ideas to make your group meetings more fun and educational. Available from National 4-H at shop4-H.org.

# ohio4h.org/familyguide

#### **Tractor and Machinery Operation**

#### **Tractor Series**

Ohio 4-H members can use the series of four 4-H Tractor project manuals published by Purdue University, West Lafayette, IN. These manuals are interesting to most 4-H members because they cover more than just safety. Available through Purdue University for \$5.50 each, plus shipping.

#### **Ordering Information**

Online: **mdc.itap.purdue.edu**. In the Search box, type "tractor." The tractor manuals are included in the results, identified as Level A, B, C, or D.

#### 551 Starting Up: Getting to Know Your Tractor, Level A

Designed for youth with little or no prior agricultural tractor and equipment experience. Youth learn parts of a tractor, tractor maintenance, different fuels, engine cooling systems, safety with augers, and more. (Indiana Code: 4-H-961) 2005......B, **R** 

# 552 Tractor Operations: Gearing Up for Safety, Level B

#### 553 Moving Out: Learning About Your Tractor and Farm Machinery, Level C

#### 554 Learning More: Learning About Agricultural Tractors and Equipment, Level D

# Optional Supplement for Tractor and Machinery Operation

#### National Safe Tractor and Machinery Operation Program (NSTMOP), Student Manual

You can be certified! Take tractor safety seriously by completing this course designed for 14 and 15 year olds. (Consult your county office to determine availability. Not all counties have certified instructors.) Nearly 400 pages include color task sheets that help you learn how to safely operate ag equipment. Each lesson includes safety activities that make learning fun and exciting. This publication also serves as the helper's guide. Want to learn about tractor safety but cannot take the course? Use this manual as the basis for a self-determined project of your own design. Available for purchase in print (\$35), digital (\$15), or print and digital (\$45) versions at **extension.psu.edu/nstmop-manual**. Prices subject to change. 2020..... **A**, **R** 

#### Welding

#### 573 Arcs and Sparks—Shielded Metal Arc Welding

Recommended for use by 4-H members who want to build, modify, or repair steel-based projects. Learn about safety, selection of equipment and materials, and fabricating techniques with shielded metal arc welding. Basic welding abilities are developed while constructing several useful projects. 2000. ..... I, **R** 

#### Woodworking

#### 556 Measuring Up, Level 1

#### 557 Making the Cut, Level 2

Select a wood project that shows off your new skills with a T-level, a miter box, a wood chisel, a hand jig saw, a scroll saw, a staple gun, and a power sander. Learn more about the different species of wood. Use the same book 1-3 years. 2002. ..... I,  $\mathbf{R}$ 

#### 558 Nailing it Together, Level 3

#### 559 Finishing Up, Level 4

Challenge yourself to learn hand-cut dovetail, mortise, and tenon joints. Use a power router, various planers, and a power jointer to create a project of your choice. Learn about veneer, common adhesives, stripping, and repairing. Use the same book 1-3 years. 2002.**A**, **R** 

🎗 State Fair eligible; 🕰 Requires additional resources; X = all levels, B = beginning level, I = intermediate level, A = advanced level

#### 560M Woodworking Master

The Woodworking Master project is for members who want to continue with woodworking after completing the Ohio 4-H woodworking projects (556 Measuring Up, 557 Making the Cut, 558 Nailing It Together, and 559 *Finishing Up*). Members of any age may complete this project, but must have completed the existing projects, must have woodworking experience comparable to what is required for other advanced-level 4-H projects, and must be able to plan and complete the project on their own with minimal supervision or assistance. Available online at 

#### Helper Supplement for Woodworking

The Woodworking Helper's Guide is for helpers working with the Woodworking series (556-559 above). It has activities and ideas to make your group meetings more fun and educational. Available from National 4-H at shop4-H.org.

# **Self-Determined**

#### 365 Self-Determined Project Guide

If you're a 4-H member with a great project idea of your own or someone who's ready to go beyond a current project book, consider doing a selfdetermined project. Use the Self-Determined Project Guide to describe your project, set goals, and record your activities. Not sure what topics to explore? You can get some great ideas by reviewing the idea starters. Don't forget, a completed Self-Determined Project Guide is required for each self-determined project.

#### **Idea Starters**

An idea starter might be just the thing to get your selfdetermined project started. These are just ideas. You are welcome to create your own project in the general category (365.00) or in one of the topic areas listed.

#### 365.00 General

Amateur Radio\* American Sign Language Clowning Computers **Discovering Genetics** Local Foods—Does It Matter What You Eat Model Railroading Music Skateboarding Viruses, Bacteria, and Fungi, Oh My!

#### 365.01 Companion Animal

Chinchillas Ferrets Hedgehogs Piaeons **Reptiles and Amphibians** 

#### 365.02 Creative Arts

Miniature Gardens-fairies, fake plants, etc. Paper Craft String Art

365.03 Family Life Babysitting

#### 365.04 Natural Resources

Astronomy Bats Climate Change Get Started with Composting\* Crop Production Field to Faucet: What Determines Water Quality Flower Gardening Miniature Gardens—live plants Native American Artifacts: Arrowheads Paddle Water Sports\* Shale Gas Extraction Ways of Knowing Water Weather

#### 365.05 Quilt

#### 365.06 Workforce Prep

Camp Counseling The World of Work Is Calling . . . Are You Ready?

\*New or revised in 2021.

# **Workforce Preparation**

#### 382 Am I Ready for Work?

50

This project is for 4-H members who are preparing for their first paid jobs. Activities cover everything from making a good first PEER REVIEWED impression to managing money, including applying, getting references, creating a resume, and

interviewing. Even social media posts can affect one's 

#### 387 Here, There, Ag Careers Are Everywhere



Career opportunities in agriculture are everywhere, including in places you may not know about. Explore your interests and talents to find your best fit in the working

world outside of traditional production farming. There is a rewarding ag career for you! 2021. Available November 2020.....A, **R** 

# **Group Programs**

These projects, offered through group programs, contain ready-made lesson plans for project advisors. They may or may not be offered in your county.

## **Animal Sciences**

#### **Companion Animals and Rabbits**

#### 4hpetpals.osu.edu

#### 230GPM 4-H PetPALS Leader's Guide

4-H PetPALS is an intergenerational program that links youth and their pets with senior adults. Specially-trained master 4-H volunteer leaders teach youth the skills they need to interact with residents in assisted living and nursing home facilities. By applying the power of the human-animal bond, 4-H members learn to select, socialize, and train their pets. Youth apply the lessons in this 214page, experientially-based curriculum to develop their leadership and citizenship skills. 4-H PetPALS allows young people to be models for residents in health care facilities and the community at large as they demonstrate the significance of human-animal interactions and the importance of intergenerational relationships. Check with your county Extension 

#### 230 4-H PetPALS Project and Record Book

# Find your local office

Visit **extension.osu.edu**/lao to find contact information for your local Extension office.

#### **4-H Cloverbuds**

#### ohio4h.org/cloverbuds

#### 710GPM The Big Book of 4-H Cloverbud Activities



PEER REVIEWED

This revised classic includes updated versions of hundreds of activities for 4-H Cloverbuds in these topic areas: science and technology, community/expressive

arts, healthy lifestyle, environmental/earth science, personal development, citizenship/civic education, consumerism and family science, and plants and animals. Redesigned in an easier-to-manage, spiralbound book. 2016. (\$16)

#### 711GPM Bioenergy Education

This web-based resource helps develop an awareness and appreciation for a sustainable energy future. Targeting 4-H Cloverbuds (K-2) and youth through 5th grade, it covers three areas: (1) bioenergy sources, (2) bioenergy conversion, and (3) bioproducts, each with about nine educational activities. Available for free online at **ohio4h.org/cloverbudresources**. 2013.

#### 712GPM Connect to College

This 4-H Cloverbud curriculum piece raises awareness of college through a series of engaging group activities. Includes 12 activities, supporting materials, and *On Campus with Cornelius*, an original, full-color storybook about an adventurous hedgehog who visits a college. (The activities and supporting materials, but not the storybook, are also available online at **ohio4h.org/cloverbudresources**). 2012. (\$16)

#### Optional Supplements for Ohio 4-H Cloverbuds 713R Choose and Tell Cards

Winner of 2013 National 4-H Communicator Award! Use this colorful deck of 4-by-6-inch cards to introduce your Cloverbuds to public speaking and communication skills. Forty-nine easy and engaging activities allow young learners to have fun, gain confidence, and develop important leadership skills. Activities are divided into four levels—from easy to difficult—and are color coded, so that selecting and sorting cards is easy. Includes box for storage. Additional supplies/materials required. 2019. (\$18.25)

#### 714R Clover Cubes



Clover Cubes combine creativity, cooperation, interaction, and fun into a great 4-H Cloverbud activity. Each Clover Cube has six discussion prompts that

help children explore a particular topic and share answers with friends. Twelve cubes are included: All About Me, Animal Awareness, Art Adventures, Engineering Excellence, Fitness Fun, Food Favorites, 4-H FUN-damentals, Make Your Own, Math Mania, Technology Talk, and Words That Start With. Cubes are easily assembled from brightly colored, punch-out shapes on heavy-duty card stock. 2016. (\$13.50)

#### 7151 *My 4-H Cloverbud Year* 715S *My 4-H Cloverbud Year* (set of 10)



This fun book is a great way for Cloverbuds to learn the basics of 4-H and keep track of their activities and events. Completion of this book is

optional, and can be done with or without the help of an adult leader. It can be repeated each year a child is a Cloverbud member, and is especially appropriate for older Cloverbud members as they prepare to transition to regular membership. 2017. (\$28 for set of 10, \$6 for single copies).

#### Helper Supplement for Cloverbuds 711AG 4-H Cloverbud Volunteer Guidebook

This concise reference piece is for current, new, and prospective 4-H Cloverbud helpers. The guidebook explores the goals and strategies for successfully implementing the 4-H Cloverbud program. It also suggests methods for guiding the healthy development and life-skills enhancement of our youngest 4-H members. 2019. (\$7).

The Ohio 4-H Cloverbuds website offers useful resources for helpers, including curriculum, a training video, and activity kits. Learn more at **ohio4h.org/volunteers/cloverbud-leaders**.

# **Natural Resources**

#### Junior Master Gardener: Growing Good Kids

#### jmgkids.us

Ohio 4-H is happy to promote these two introductory titles from the internationally recognized Junior Master Gardener (JMG) series from Texas A&M Extension. JMG engages youth in novel, hands-on learning experiences that promote a love of gardening, develop an appreciation for the environment, and cultivate the mind. JMG encourages service learning and leadership development and rewards youth with certification.

#### 672GPM Junior Master Gardener Level 1 Teacher/Leader Guide

This rich resource is for 4-H club advisors and others interested in guiding youth as they discover gardening. Covers plant growth and development, soils and water, ecology and environmental horticulture, insects and diseases, landscape horticulture, fruits and vegetables, life skills, and careers. Check with your local Extension office to see if there is a Master Gardener Volunteer to assist you. Enough activities for years of club meetings plus access to valuable online resources like certificates, etc. Intended for youth in grades 3 through 5. 324 pages. (\$56 plus shipping). 2016......B

#### 672 Junior Master Gardener Level 1 Handbook

#### **Ordering Information**

Online: jmgkids.us. Visa and Mastercard accepted.

#### Shooting Sports

#### ohio4h.org/shootingsports

This leader-directed program is taught only by certified volunteers to 4-H members ages 9 and above. Members must be 9 as of January 1 of the current year. Teach young people the safe and responsible use of archery equipment and the fundamentals of firing air guns, .22 caliber and muzzleloading rifles, pistols, and shotguns, and the basic principles of hunting. Living History enables youth to explore historic lifestyles and heritage

# **4-H Alumni and Friends**

We want to connect with you! Are you interested in receiving monthly 4-H newsletters, hearing about upcoming 4-H events, and other ways to connect to the 4-H community? Sign-up today at **ohio4h.org/alumni.**  crafts in any decade from ancient times to the space age. Project literature is available only to approved volunteers who have completed a 4-H Shooting Sports Training Workshop. Check with your county Extension office for more details.

Record books help 4-H members set goals for the year and keep an accurate record of their work and accomplishments. For 4-H members age 9 and above.

750 Rifle Member Record Book. 2020X, 751 Archery Member Record Book. 2020X, 752 Shotgun Member Record Book.* 2021X, 753 Pistol Member Record Book. 2020X, 754 Hunting and Wildlife Member Record Book.
2000X, <b>R</b>
755 Muzzleloader Member Record Book.*
Ohio 4-H strongly recommends youth complete
a rifle, pistol, or shotgun project before taking
muzzleloader. 2021
756 Living History Member Record Book.*
2021
757 Crossbow Member Record Book.
2019. (\$9)
758 Western Heritage Project: Youth
Activity Guide Levels 1–3.

Learn about the history of 19th century firearms, frontier clothing, and the true lifestyles of those who lived in the Old West. Firearm safety and responsible behavior are stressed throughout. Available from Montana State University for \$8.50 plus shipping. Price is subject to change. See next column for ordering information.

\* In addition to record-keeping pages, the shotgun and muzzleloader projects require a commitment to safety and completion of activities about setting goals, parts and equipment, range rules, and more. Living history is in a fresh new format that encourages exploration of new "personas" from any historical place and time. 2021. Available December 2020.

# ohio4h.org

- Locate your local Extension office
- Find resources for families
- Self-Determined Projects and Idea Starters
- Learning Activity Ideas
- Statewide programs

#### Ordering Information

Online: **store.msuextension.org**. In the search box, type "Western heritage." The youth activity guide is included in the results, identified as item 5332.

**Optional Supplement for Western Heritage** The Western Heritage Project: Firearms, Gunleather, and Attire of the Frontier West 1860-**1900** resource manual is for anyone interested in frontier authenticity, from teachers and history buffs to reenactors and cowboy shooters. With 156 color pages, this resource includes never-before published photographs that show examples of the firearms, gun leather, cowboy gear, and clothing used by settlers of the West. Available from Montana State University at store.msuextension. org. Search for "Western heritage." The Western Heritage Project is included in the results, identified as item 5323. Price ranges from \$25.50 for spiral bound or softcover to \$45.50 for hardcover, plus shipping. Prices are subject to change.

Ohio 4-H offers beginning-level shooting sports projects that serve as introductions to gun safety and archery. For more information, please go to page 25.

## School Enrichment

#### **Gardening and Plant Science**

#### 496AG Growing Together

This guidebook is designed for teaching garden-based science to kids. Master gardener and 4-H volunteers, parents, and teachers find fun, interactive activities to include in their indoor or outdoor horticulture education efforts. Examples of subjects included in the 10 units are pollination, soils, insects, trees, and decomposition. Individual members do NOT need a separate project book. 2001. (\$6)

#### **Money Management**

#### realmoneyrealworld.osu.edu

#### 441GPM Real Money, Real World

Real Money, Real World is an active, hands-on simulation that gives young people the opportunity to make lifestyle and budget choices similar to those they need to make as adults. It is a partnership between the county Extension office, the school, and the business community. How does the program work? Prior to the simulation, teachers prepare students by going through four simple lessons about occupation and income, deductions, checking and savings accounts, and choices. Please contact your local Extension office for information about delivering the program in your county.

#### Optional Supplement for Real Money, Real World 441R Agriculture Career Cards

Primarily for use with Real Money, Real World, these cards describe 50 jobs that were identified by 17 different universities and prioritized by a team of agriculture professionals in Ohio. The collection represents a wide variety of careers in biotechnology, business, technology, communication, and other agriculture-related sectors. The cards are also used in agriculture awareness events in schools and communities. The Exploring Agriculture Career Cards PowerPoint presentation is included with every purchase. 2018.

#### **Science Alive**

#### ohio4h.org/sciencealive

This school-enrichment curriculum challenges youth to develop science, technology, engineering, and math (STEM) skills as they complete hands-on activities suitable for youth in grades 3 through 6.

#### 167GPM ChickQuest Teacher Guide: A Classroom Journey Through the Life Cycle of Chickens

What can we learn from a chick? This school enrichment program challenges youth to use science, technology, engineering, and math skills to investigate the life cycle of an embryonic chicken egg. From monitoring living eggs to observing fluffy chicks, these lively activities pique curiosity, encourage collaboration and communication, and provide young scientists with unforgettable experiences. Full-color poster of a chicken life cycle is included. A *ChickQuest Logbook* (167R) is required for each student. 2016. (\$19)

#### Required Supplements for ChickQuest 167P ChickQuest 21-Day Calendar Poster

This 36 x 24 inch color, write-on poster covers each day of chick embryo development with detailed pictures and space for recording data. Included for no charge when you buy 167RS *ChickQuest Logbook* (set of 25). 2015. (\$6)

#### 167RI ChickQuest Logbook 167RS ChickQuest Logbook (set of 25)



This 21-day classroom adventure starts with eggs and ends with chicks. Students are the scientists who help make it happen! This personal *ChickQuest Logbook* is used to record data and observations. Sold individually or in classroom sets of 25 with one full-color, write-on poster of 21-day chick embryo development. For use with 167GPM *ChickQuest Teacher Guide: A Classroom Journey Through the Life Cycle of Chickens.* 2016. (\$48 for set, \$6 for single copies).

#### 501GPM Rockets Away! Exploring the Science of Forces and Motion (Teacher Guide)

Recommended for teachers and other group leaders, this popular favorite is more effective than ever at teaching the concepts of forces and motion via rocketry. The project's exciting conclusion is building and launching 2-liter bottle water rockets. A *Rockets Away Logbook* is required for each student. A bottle-rocket launcher may be available from your county Extension office. (Go to **ohio4h.org/rocketsaway** for information on how to purchase your own.) 2013. (\$14)

#### Required Supplement for Rockets Away 501RI Rockets Away! Logbook 501RS Rockets Away! Logbook (set of 25)

These 10 lessons, described in detail in the Rockets Away Teacher Guide above, are a student's gateway to the practical knowledge behind Newton's Laws of Motion. Educational research shows that the practice of recording one's own data and observations helps students internalize concepts. Sold individually or in classroom packs of 25. For use with 501GPM *Rockets Away Teacher Guide*. 2013. (\$48 for set, \$6 for single copies).

# Good Production Practices

Be sure to use the list of Good Production Practices (GPPs) when working on your food animal project. Ask your local county Extension office for a copy of the latest GPPs or find them online at **ohio4h.org/aqca**.



# **Project Guide**

**Project Skill Level**—Unless otherwise noted in the project description, skill levels for projects are defined as follows:

All Levels (X)—A project appropriate for all skill and age levels. **Beginning (B)**—A beginning-level project for members with little or no experience in a project area, or 8 to 10 year olds. **Intermediate** (I)—An intermediate-level project for members with some experience in a project area, or 11 to 13 year olds. **Advanced (A)**—An advanced-level project for members with a lot of experience in a project area, or 14 or older.

County fairs and the state fair often have age requirements that are different than those for project enrollment. When participating in a fair event, be sure to review the related guidelines.

Ohio State Fair eligibility, indicated by a green ribbon (**R**), is current at time of printing but is subject to change. Eligibility for the coming year is usually available in February at **ohio4h.org/ohiostatefair**.

Most projects are easily completed in one year, but there are some **multi-year**, **non-livestock projects** intended to take longer. They are indicated here with the intended number of years.

Code	Title	Skill Level	State Fair	Supplement	Multi-Year	Page #
Αbοι	ıt 4-H					
91	Discovering 4-H	В				9
92	4-H Around the Globe	Ι	8			9
Animal Sciences						
Beef						
117	Beef Project and Record Book					9
	117B Beef Breeding	Х	8			9
	117BF Beef Feeder	Х	8			9
	117DF Dairy Beef Feeder	Х	8	$\Delta$		9
	117M Market Beef	Х	8	$\Delta$		9
Companion Animals and Rabbits						
200	All About Dogs	В	8			10
201	Dog Project and Record Book					10
	201D You and Your Dog	Х	8	$\Delta$		10
	2010 Obedience	Х	8			10

Code	Title	Skill Level	State Fair	Supplement	Multi-Year	Page #
	201S Showmanship	Х	8			10
	201P Performance	Х	8			10
	201W Working Dogs	Х	8			10
202	Dog Achievement Program	х				10
215	Cavy Project and Record Book	х	8			10
216	Purr-fect Pals, Level 1	В	8			10
217	Climbing Up, Level 2	Τ	8			10
218	Leaping Forward, Level 3	А	8			11
220	Pocket Pets Project and Record Book	х	8			11
225	Breeding Rabbit Project and Record Book	х	8			11
226	Market Rabbit Project and Record Book	х	8			11
227	Pet Rabbit Project and Record Book	Х	8			11
Dairy C	Cattle					
122	Dairy Heifer Project and Record Book	х	*			12
126	Dairy Cow Project and Record Book	Х	8			12
Goats						
135	Goat Project and Record Book					12
	135BD Breeding—Dairy Goats	х	8			12
	135BM Breeding—Meat Goats	х	8			12
	135F Fiber Goats	Х		$\square$		12
	135H Harness Goats	Х				12
	135M Market—Dairy, Meat, or Cross Goats	Х	8			12
	135P Pack Goats	Х				12
	135PY Pygmy Goats	Х				12
	135C Companion—Pet Goats	Х				12
Horses						
173	Horseless Horse	В				12
174	Beginning Horse	в				12
174	Management Light Horse Selection	1				

177Horse Training: How to Talk to Your HorseIII180Learning to JumpIIIII181Draft HorseIIIII	12 13 13 13 13 13 13
180Learning to JumpIII181Draft HorseIIIII	13 13 13 13
181   Draft Horse   I   I   I	13 13 13
	13 13
182   Small Equine   I   I   I	13
185Equine Reproduction and GeneticsAAA	13
	13
	13
Llamas and Alpacas	
Book	13
Poultry	
Record Book	14
150CE Chicken, X R 1 Exhibition	14
150CM Chicken, Market X 🕈 1	14
150CEP Chicken, Egg Production: Hens and X 1 Pullets	14
150DE Duck, Exhibition X 🕈 1	14
	14
	14
	14
	14
150H Helmeted Guinea	14 14
Fowl	14
Sheep	
198Market Lamb Project and Record BookXRI	14
199Sheep Breeding Project and Record BookXRI	14
Swine	
139Market Hog Project and Record BookXRII	14
140Swine Breeding Project and Record BookXRII	14
Veterinary Science	
244From Airedales to Zebras, Level 1BR31	15
	15

Code	Title	Skill Level	State Fair	Supplement	Multi-Year	Page #
246	On the Cutting Edge,	Α	8		3	15
Clatk	Level 3					
Clothing and Textile Science						
406	Clothes for High School and College	А	8			16
407	Accessories for Teens	В	8			15
408	Creative Costumes	А	8			17
409	Sew Fun	В	<u></u>			15
410	Designed by Me	В	8			15
411	em•bel•lish: A 4-H Guide to Wearable Art	Ι	8			16
412	Sew for Others	Ι	8			16
413	Sundresses and Jumpers	В	8			16
415	Ready, Set, Sew Active	Ι	8			16
417	Dress-Up Outfit	А	8			17
418	Loungewear	Х	8			16
419	Terrific Tops	В	8			16
420	Outerwear for Anywhere	А	8			17
424	Clothing for Middle School	I	*			16
425	Look Great for Less	Α	8			17
426	Clothing for Your Career	А	8			17
430	Shopping Savvy	Ι	8			16
432M	Sewing and Textiles (non-Clothing) Master	А				17
Com	munication					
377	Finding Your Voice: Public Speaking Made Easy	В	8			17
Crea	tive and Leisure	Α	rts			
	Decorating					
492	Cake Decorating Project					
	and Record Book 492B Cake Decorating	В	8			18
	Beginner 4921 Cake Decorating		43			
	Intermediate	Ι	8	4		18
	492A Cake Decorating Advanced	А	*			18
Collect						
496	My Favorite Things	В	8			18

Code	Title	Skill Level	State Fair	Supplement	Multi-Year	Page #
Fine A						
498	Quilting the Best Better	Ι	8			18
499	You Can Quilt!	Ι	8			18
592	Get Started in Art	Х	8			18
593	Seeing Through Graphic Design	I	8			18
Genea	logy					
442	Family History Treasure Hunt	Х	8		6	18
Photog	jraphy					
584	Photography Basics, Book 1	в	*		3	18
585	Next Level Photography, Book 2	I	8		3	19
586	Mastering Photography, A R Book 3					19
589M	Photography Master	Α	8			19
Scrapb	ooking					
497	Scrapbooking: A 4-H Guide to Preserving Memories	В	*			19
Writing	J					
588	The Writer in You	Ι				19
Food	and Nutrition					
459	Let's Start Cooking	В	8			19
461	Let's Bake Quick Breads	Ι	8			20
462	Yeast Breads on the Rise	А	8		2	20
463	Sports Nutrition: Ready, Set, Go!	I	8			20
467	You're the Chef	А	8			20
469	Global Gourmet	А	8			20
472	Grill Master		8			20
474	Beyond the Grill	Α	8			20
475	Star Spangled Foods	1			20	
476	Pathways to Culinary Success	A 🔭			21	
477	Party Planner: A 4-H Guide to Quantity Cooking	I	*			20
481	Everyday Food and Fitness	в	8			19
484	Snack Attack!	В	8			19
485	Racing the Clock to Awesome Meals	I	8			20

		Skill Level	State Fair	Supplement	Multi-Year	Page #
Code	Title	S	S	S	2	₽
486	Dashboard Dining: A 4-H Guide to Healthful Fast Food Choices	I	8			20
487	Take a Break for Breakfast	В	8			20
Heal	thy Living					
300	You're the Athlete		8			21
351	Staying Healthy	В	8			21
352	Keeping Fit	-	8			21
353	First Aid in Action	B	8			21
	Medicine Science and					
354	Safety	В	8			21
356	Tracking Your Health and Fitness	I	8			21
357	Alcohol and Drug Abuse	А	8			21
358	The Truth About Tobacco	А	*			21
359	Your Thoughts Matter	Α	8			21
Hom	e Living					
405	The Laundry Project	В	8			22
491	It's My Home	В	8			22
494	Makeover My Space	-	8			22
495	Your First Home Away From Home	А	8			22
l ead	ership and Citize	'n	shi	in		
	One on One		<b>8</b>			22
370 371	Club Leadership 1	A	8			22
	Diversity: The Source of	·				
372	Our Strength	A	8			22
373	My Hands to Larger Service: Teen Leaders Building Our Communities	А	*			23
374	Teens on Board	Ι	8			23
375	Leadership Road Trip: Where Are You Going?	I	8			23
375i	Leadership Road Trip iBook	I	*			23
376	Pantry Panic		8			23
378M	Leadership Master	А	8			23
383	Club Leadership 2	А	8			22
Money	Management					
445	Becoming Money Wise	В			2	23
448	Teens On the Road to Financial Success	А			2	23

		Skill Level	State Fair	Supplement	Multi-Year	Page #
Code	Title	S	S	S	2	_ ₽_
Natu	ral Resources					
Garder	ning and Plant Science					
670	Canning and Freezing	Ι	8			23
671	How Does Your Garden Grow?	в	8			23
673	Edible Landscapes	1	8			24
691	Grow Your Own Vegetables	в	*			24
692	Growing with the Seasons	1	*			24
The Na	tural World					
611	Explore the Outdoors	В	8			24
612	Geology: Can You Dig It?	В	8			24
613	Explore the Poles	1	8			24
617	Exploring Ponds					24
620	Why Trees Matter	В	8			24
621	Ohio Birds	Х	8		2	24
622	Trapping Muskrats in Ohio	Ι	*		2	24
623	Outdoor Adventurer: Beginning Fishing	в	*			24
624	Outdoor Adventurer: Intermediate Fishing	I	*			24
641	Beekeeping Project and Record Book	х	*			24
644	Insect Adventures 1	В	8			25
645	Insect Adventures 2	Ι	8			25
646	Insect Adventures 3	Α	8			25
Shootii	ng Sports					
630	Safe Use of Guns	В	8			25
631	Basic Archery	В	8			25
	nce, Technology, neering, and Mat	th				
Aerosp	ace Science					
501	Rockets Away (2-liter Bottle Rockets)	в	8			25
502	Science Fun with Flight	В	8			25
503	Rockets Away (Solid- Fuel Model Rockets)	В	8			25
503M	Solid-Fuel Rocketry Master	А	*			25
	voin Vahielos (ATV)					<u> </u>

All-Terrain Vehicles (ATV)

ATV Safety

Α

26

555

Code	Title	Skill Level	State Fair	Supplement	Multi-Year	Page #
Bicycle		•••	•••	•••		
517	Bicycling for Fun, Level 1	В			2	26
518	Wheels in Motion, Level	2	26			
Chemis	stry					
493	Science Fun with Kitchen Chemistry	в	8			26
Electric	ity					
527	Magic of Electricity, Level 1	в	8		3	26
528	Investigating Electricity, Level 2	I	8		3	26
529	Wired for Power, Level 3	Ι	8		3	26
530	Entering Electronics, Level 4	А	8		3	26
531	Science Fun with Electricity	В	8			26
Energy						
550	Young Engineers in Solar Energy	I	8			26
Food S	I					1
490	Science Fun with Dairy Foods: The Case of the Missing Milk	В	*			27
Knots						1
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Wood 419-354-9050 wood.osu.edu

Wvandot 419-294-4931 wyandot.osu.edu

#### **Additional Offices**

**4-H Animal Sciences** 614-292-4444 ohio4h.org/ animalsciences

**4-H Shooting Sports** 740-286-4058 ohio4h.org/ shootingsports

State 4-H Office 614-292-4444 ohio4h.org



Please check extension.osu.edu/lao for updates to this list and for exact office locations.

Harrison harrison.osu.edu Henry



The Ohio State University

#### Ohio State University Extension Wayne County

428 W. Liberty St., Suite 12 Wooster, Ohio 44691-5092

> 330-264-8722 Phone 330-263-7696 Fax

## 2021 4-H Enrollment Information 4-H Club: Family Name: Family Email:

(use this email to login per instructions below)

## **Note:** 4-H Online has been updated to Version 2.0 for 2021 – enrollment instructions have changed!

Again for 2021, 4-H volunteers and members will enroll themselves into the 4-H Online database through a paperless system. Through the online process you will add projects, "sign" your standards of behavior, and all other required enrollment documentation. The only enrollment related form that must be turned into the Extension Office is the Family Activity Fee form.

Enrollment must be completed and reviewed by your advisor by April 1, 2021. Please note that <u>your club</u> <u>may have an earlier date to complete enrollment</u> because advisors must confirm your membership before the April 1<sup>st</sup> deadline. Each club will have their own deadline for you to enter your online enrollment. Also know that you will be able to enter the system at any time to check documents.

We understand that not all families have internet access at home. We recommend these families go to the library or call the office and schedule a time to come in and office staff will assist you with your enrollment. Also, some clubs may even have a meeting where members and volunteers could get online and complete their enrollment together. Please let us know if you have any questions after walking through the steps!

## **General Steps To Complete Your Online Enrollment**

Guide for Re-Enrollment: <u>go.osu.edu/wc4hreturningenrollment</u> Guide for New Enrollment<u>: go.osu.edu/wc4henroll</u>

- 1. Go online to: <a href="http://oh.4honline.com">http://oh.4honline.com</a> (Works best in Chrome or Firefox)
  - Please see your login email above.
     The enrollment website is optimized for any phone, tablet, laptop, or desktop.
- **2.** Log into the 4HOnline System using one of the three options below: <u>Option 1 - I have logged into the system before</u>
  - Enter your email address and password in the correct fields on the screen.
  - Confirm that your family contact information is correct and make corrections as needed.
  - Family members will be listed. Select "Enroll Now" for each family member to begin the reenrollment process.
  - Complete the enrollment process as directed on the screen. **Note**: Do not submit your enrollment until you have entered ALL of the projects you will be taking in 2021.

Option 2 - I never have logged in myself -or- I forgot my password

- Click "Reset password?" > Type in your email > Click the "Reset your password" link in the email > Enter your new password and confirm > Enter family email and new password.
- Confirm that your family contact information is correct and make corrections as needed.
- Family members will be listed. Select "Enroll Now" for each family member to begin the reenrollment process
- Complete the enrollment process as directed on the screen. **Note**: Do not submit your enrollment until you have entered ALL of the projects you will be taking in 2021.

<u>Option 3 – I am completely new to the 4-H program.</u> (No one in the last 4 years in my immediate family has been involved with 4-H as a member or volunteer)

- Complete "Don't have an account?"
- Enter all requested information and click "Create Account".
- After your account is created, click "Add Member"
- Select that you would like to join 4-H.
- Set up your member profile as requested on the screen.
- Complete the enrollment process as directed on the screen. **Note**: Do not submit your enrollment until you have entered ALL of the projects you will be taking in 2021.

## Things to keep in mind:

- When asked to enter your club, make sure you select all of the clubs you are involved with.
- Make sure to add the correct volunteer type if you are a volunteer. If you are only a committee member, choose "Program Volunteer". If you are a club volunteer, select the "Club Volunteer" option, and then select Cloverbud Leader, Organizational Club Leader (organizational advisors only), or Project Leader.
- If you are <u>changing 4-H clubs or are in multiple clubs</u>, you must pay attention that the correct club corresponds with your projects.
- If you enroll in a dog, horse, or shooting sports project, be sure that you electronically sign the appropriate project consents given during the enrollment process.
- Cloverbuds must enroll in project 715, "My 4-H Cloverbud Year".
- If you are in multiple clubs, only your primary club will approve your membership as a member.
- 3. When your entries complete and you have updated all of your information, click "Submit enrollment".
- 4. This will take you to back to the family page and you should receive a confirmation email within an hour. To complete enrollment for another member, click "Enroll Now" next to the member's name and follow the on-screen instructions to complete the re-enrollment process. To enroll a new family member, click "Add Member" on the family page and follow the on-screen instructions to complete enrollment.

## Check out our how-to videos on the web at: wayne.osu.edu/help

## Wayne County 4-H Activity Fee Scholarship Application Form

Due to the Extension Office By 4:30 pm March 17, 2021

Parent/Guardian Names:\_\_\_\_\_\_4-H Club Name:\_\_\_\_\_\_

Phone:\_\_\_\_\_ E-Mail:\_\_\_\_\_

Please list the names of each child in the family that is enrolling in Wayne County 4-H in 2021 – if more than six children, please attach additional page.

1	4
2	5
3	6

Please provide a brief description of your financial need and/or extenuating circumstances you feel will assist the committee in evaluating and assessing your need accurately (attach additional sheets if necessary).

**Parent/Guardian's Signature** 

Date





wayne.osu.edu

CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: go.osu.edu/cfaesdiversity.

## Wayne County 4-H 2021 Activity Fee / Club Dues Payment Form

This form should be completed by each family in the 4-H club and submitted with payment to your 4-H club's organizational advisor. The organizational advisor will turn in one check to the Extension Office on or before April 1<sup>st</sup> for the total amount of activity fees due for your club. If your 4-H club has annual dues – this form will allow you to submit payment to your club for both dues and 4-H activity fee all together at the same time. If a youth is a member in more than one 4-H club, the activity fee is only due for their "first" or "primary" club.

Family Last Name:\_

4-H Club Name:

Cloverbuds & Members Names	4-H Club Dues Amount (if your club has dues)	County 4-H Activity Fee \$15 / Member \$10 / Cloverbud \$50 Family Max.	Payment Method	Date Paid
			🗆 Cash	
			Check	
			🗆 Cash	
			Check	
			🗆 Cash	
			Check	
			🗆 Cash	
			Check	
			🗆 Cash	
			Check	
			Cash	
			Check	
Total Club Dues:				
Tot	al Activity Fee:			

\*Please attach additional page if there are more than 6 youth in the family.

Please check this box if your family qualifies for the \$50 family maximum for the county activity fee.

Please check this box if your family has applied for the County 4-H Activity Fee Scholarship. (Activity Fee Scholarship Applications are available on the Extension Office website and due to the Extension Office by 4:30 pm March 17, 2021).

Please check this box if you are in more than one 4-H club and have already paid the Activity Fee in the other club – please list the other club's name:



THE OHIO STATE UNIVERSITY



## CFAES

## 2021 OHIO 4-H PROJECT BOOKS and RESOURCES VOLUNTEER ORDER FORM (alpha order)

NI	ar	n	Δ	•
1 1	a		c	

Address:

Phone:

The following publications are described in the Ohio 4-H 2021 *Family Guide*, available online at <u>ohio4h.org/familyguide</u>.

The cost for each publication to Ohio residents, unless otherwise indicated here or by your county office, is \$6. Publications that are "free online" are available at <u>ohio4h.org/publications</u>. "TBD" means the price is still to be determined.

\* = New or revised for 2021

#### **Order Summary**

Please use this form to indicate the quantity and total cost for each line item. Summarize your order here and return this completed form to your county Extension office.

Date needed:

Total number of for-sale project books and resources (pages 1-3): \_

Total cost:

Please contact your county Extension office about payment.

Thank you for your support of Ohio 4-H!

Note: Publications followed by a bracketed number require a supplement for project completion. For example, 117 Beef Project and Record Book requires the 117R Beef Resource Handbook.

Updated 10-15-20

#### For-Sale Project Books and Resources

Qty.	\$ No.	Project	Qty.	\$ No.	Project
	 _ 92	4-H Around the Globe		 492	Cake Decorating Project and Record
	 _ 407	Accessories for Teens		4000	Book [492R]
	 _ 441R	Agriculture Career Cards		 492R	Cake Decorating Resource Handbook
	 _ 357	Alcohol and Drug Abuse		 670	Canning and Freezing [outside resources]
	 _ 200	All About Dogs		215	Cavy Project and Record Book [215R]
	_ 245	All Systems Go!, Level 2		 215R	Cavy Resource Handbook: A 4-H
	 382	Am I Ready for Work?		 21010	Guide to Guinea Pigs (\$13)
	_ 751	Archery Member Record Book		 167P	ChickQuest 21-Day Calendar Poster
	 _ 573	Arcs and Sparks		 167RI	ChickQuest Logbook, single copy
	_ 555	ATV Safety		 167RS	ChickQuest Logbook, set of 25 with
	 631	Basic Archery			21-Day Calendar poster (\$48)
	 _ 445	Becoming Money Wise		 167GPM	ChickQuest Teacher Guide (\$19)
	117	Beef Project and Record Book [117R]		 713R	Choose and Tell Cards (\$19)
		117B – Beef Breeding		 217	Climbing Up, Level 2
		117BF – Beef Feeder (Market) 117DF – Dairy Beef Feeder (Market)		 406	Clothes for High School and College
		117Dr – Dairy Beer reeder (Markel) 117M – Market Beef		 424	Clothing for Middle School
	_ 117R	Beef Resource Handbook (\$17.75)		 426	Clothing for Your Career
	103R	Beef, Sheep, and Swine Selection and		 714R	Clover Cubes (\$13.50)
		Evaluation (\$9)		 711AG	Cloverbud Volunteer Guidebook (\$7)
	 _ 641	Beekeeping Project and Record Book [outside resources]		 371	Club Leadership 1
	174			 383	Club Leadership 2
	 474	Beginning Horse Management (\$14)		 712GPM	Connect to College (\$16)
	 	Beyond the Grill		 541	Crank It Up, Level 1
	 _ 517	Bicycling for Fun, Level 1		 408	Creative Costumes
	 _ 225	Breeding Rabbit Project and Record Book [228R]		 757	Crossbow Member Record Book (\$9)
				 126	Dairy Cow Project and Record Book [127R]



#### ohio4h.org/projectcentral

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	_ 122	Dairy Heifer Project and Record Book [127R]		_ 387*	Here, There, Ag Careers Are Everywhere
	127R	Dairy Resource Handbook (\$16)		762	Horse Nutrition (\$12) [190R]
	_ 486	Dashboard Dining: A 4-H Guide to Healthful Fast Food Choices		177	Horse Training: How to Talk to Your Horse (\$19) [190R]
	_ 410	Designed by Me		_ 173	Horseless Horse
		Discovering 4-H		191R	Horses, Safety, and You
		Diversity: The Source of Our Strength		671	How Does Your Garden Grow?
		Dog Achievement Program (\$12) [201R]		_ 754	Hunting and Wildlife Member Record Book
	_ 201	Dog Project and Record Book [201R]		644	Insect Adventures 1 [644R]
		201D – You and Your Dog		645	Insect Adventures 2 [644R]
		2010 – Obedience		646	Insect Adventures 3 [644R]
		201S – Showmanship 201P – Performance		_ 644R	Insect Collection Guide (TBD)
		201W – Working Dogs		_ 528	Investigating Electricity, Level 2
	_ 201R	Dog Resource Handbook (\$16.50)		491	It's My Home
	_ 181	Draft Horse [190R]		352	Keeping Fit
	_ 417	Dress-up Outfit		375	Leadership Road Trip: Where Are You
	_ 189	Dressage [190R]		_	Going?
	_ 673*	Edible Landscapes		218	Leaping Forward, Level 3
	_ 411	em•bel•lish: A Guide to Wearable Art		180	Learning to Jump [190R]
	_ 530	Entering Electronics, Level 4		461	Let's Bake Quick Breads
	_ 190R	Equine Record Book		_ 459	Let's Start Cooking
	_ 185	Equine Reproduction and Genetics		_ 175	Light Horse Selection [190R]
		[190R]		_ 756*	Living History Member Record Book
<u> </u>		Everyday Food and Fitness		_ 132	Llama and Alpaca Project and Record
		Explore the Outdoors			Book [132R]
<u> </u>		Exploring Polar Science		_ 132R	Llama and Alpaca Resource Handbook (\$12)
		Exploring Ponds		425	Look Great for Less
		Family History Treasure Hunt (\$10)		418	Loungewear
	_ 377	Finding Your Voice: Public Speaking Made Easy		527	Magic of Electricity, Level 1
	559			494	Makeover My Space
		Finishing Up, Level 4 First Aid in Action		557	Making the Cut, Level 2
·				_ 337 139	Market Hog Project and Record Book
·	_	From Airedales to Zebras, Level 1		_ 100	[134R]
		Geology: Can You Dig It?		198	Market Lamb Project and Record Book
		Get Started in Art Global Gourmet			[194R]
		Goat Project and Record Book [135R]		_ 226	Market Rabbit Project and Record Book [228R]
		135BD – Breeding – Dairy Goats		_ 586*	Mastering Photography, Book 3 (\$11)
		135BM – Breeding – Meat Goats 135F – Fiber Goats		_ 556	Measuring Up, Level 1
		135H – Harness Goats		354*	Medicine Science and Safety
		135M – Market – Dairy, Meat, or Cross Goats		755*	Muzzleloader Member Record Book
		135P – Pack Goats 135PY – Pygmy Goats		715I	My 4-H Cloverbud Year, single copy
	1050	135C – Companion – Pet Goats		_ 715S	My 4-H Cloverbud Year, set of 10 (\$28)
·	_ 135R	Goat Resource Handbook (\$17)		496	My Favorite Things
<u> </u>		Grill Master		_ 490 373	My Hands to Larger Service: Teen
		Grow Your Own Vegetables		_ 313	Leaders Building Our Communities
<u> </u>		Growing Together		558	Nailing It Together, Level 3
	_ 692	Growing with the Seasons (\$10)		- 585*	Next Level Photography, Book 2 (\$11)
					<b>5 • • • • • • • • • •</b>

	_ 540	Not Just Knots		502	Science Fun with Flight
	621	Ohio Birds		493	Science Fun with Kitchen Chemistry
	246	On the Cutting Edge, Level 3		500	Science Fun with Physics
	_ 623 624	Outdoor Adventurer: Beginning Fishing Outdoor Adventurer: Intermediate		497	Scrapbooking: A 4-H Guide to Preserving Memories
	_ 024	Fishing		593	Seeing Through Graphic Design
	_ 420	Outerwear for Anywhere		412*	Sew for Others
	376	Pantry Panic		409	Sew Fun
	_ 384RI	Parliamentary Procedure Pocket Guide, single copy		199	Sheep Breeding Project and Record Book [194R]
	_ 384RS	Parliamentary Procedure Pocket Guide, set of 5 (\$23)		194R	Sheep Resource Handbook for Market and Breeding Projects (\$19)
	_ 477	Party Planner: A 4-H Guide to Quantity		430	Shopping Savvy
		Cooking		752*	Shotgun Member Record Book
	_ 476	Pathways to Culinary Success		182	Small Equine [190R]
	_ 227	Pet Rabbit Project and Record Book		484	Snack Attack!
	220001	[228R]		463	Sports Nutrition: Ready, Set, Go
	_ 230GPM	PetPals Leader's Guide (\$29)		184	Standardbred Horses [190R]
	_ 230	PetPals Project and Record Book		475	Star Spangled Foods
	_ 584*	Photography Basics, Book 1 (\$11)		351	Staying Healthy
	_ 753	Pistol Member Record Book		413	Sundresses and Jumpers
	_ 220	Pocket Pets Project and Record Book [220R]		140	Swine Breeding Project and Record Book [134R]
<u> </u>	_ 220R	Pocket Pets Resource Handbook (\$13)		134R	Swine Resource Handbook for Market
<u> </u>	_ 150	Poultry Project and Record Book 150CE – Chicken, Exhibition			and Breeding Projects (\$15.50)
		150CH – Chicken, Exhibition 150CM – Chicken, Market		487	Take a Break for Breakfast
		150CEP – Chicken, Egg Production: Hens		374	Teens on Board
		& Pullets 150DE – Duck, Exhibition 150DM – Duck, Market		448	Teens on the Road to Financial Success
		150DM – Duck, Market 150GE – Goose, Exhibition		419	Terrific Tops
		150GM – Goose, Market 150TE – Turkey, Exhibition		710GPM	The Big Book of 4-H Cloverbud Activities (\$16)
		150TM – Turkey, Market		405	The Laundry Project
	216	150H – Helmeted Guinea Fowl Purr-fect Pals, Level 1	<u> </u>	358	The Truth About Tobacco
	498	Quilting the Best Better		588	The Writer in You
	228R	Rabbit Resource Handbook (\$11)		355*	Tracking Your Health and Fitness
	485	Racing the Clock to Awesome Meals		188	Trail Riding [190R] (\$9)
	415	Ready, Set, Sew Active!		622	Trapping Muskrats in Ohio
	750	Rifle Member Record Book		543	Tune It Up, Level 3
	700 507	Robotics 1 with EV3		179R*	Uniform Rules for 4-H Horse Shows
	_ 507 508	Robotics 2: EV3N More		542	Warm It Up, Level 2
		Rockets Away (2-liter Bottles)		518	Wheels in Motion, Level 2
	_ 501 503	Rockets Away (Solid-Fuel Model		620	Why Trees Matter
	_ 000	Rockets)		529	Wired for Power, Level 3
	501RI	Rockets Away Logbook, single copy		462	Yeast Breads on the Rise
	501RS	Rockets Away Logbook, set of 25 (\$48)		499	You Can Quilt!
	501GPM	Rockets Away! Teacher Guide (\$14)		300	You're the Athlete (\$11)
	630	Safe Use of Guns		467	You're the Chef
				550	Young Engineers in Solar Energy
	490	Science Fun with Dairy Foods			Found Engineere in Colar Energy

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	551	Tractor, Level A (\$5.50)	Free online	"	Field to Faucet		
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		Safety, Level B (\$5.50)	Free online	<b>66</b>	Miniature Gardens (live plants)		
From Purdue	553	Moving Out: Learning About Your	Free online	"	Native American Artifacts: Arrowheads		
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		Activity Guide Levels 1–3 (\$8.50)		365.05	Quilt		
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Free online	"	Viruses, Bacteria, and Fungi, Oh My!	Free online	713GPM	Bioenergy Education		
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Free online	"	Ferrets	Free online	052 1	Ohio 4-H Volunteer Handbook		
Free online	"	Hedgehogs	Free online Free online	953.1 955	4-H Project Learning		
Free online	"	Pigeons	Free online	955 959	Working with Officers and Committees Launching into the Next Millennium		
Free online	"	Reptiles and Amphibians		909	Club Activities Handbook		
	365.02	Creative Arts	Club Officer	Resource	۹		
Free online	"	Miniature Gardens (fairies, etc.)			ated materials are available on the Club		
Free online	"	Paper Craft	-		ohio4h.org/officer-resources.		
Free online	"	String Art		pago at			
	365.03	Family Life	For publication	ns not availa	ble through your county Extension office,		
Free online	"	Babysitting	please visit <b>oh</b> such as Shop	For publications not available through your county Extension office, please visit <b>ohio4h.org/projectcentral</b> . Links to other sources, such as Shop4-H.org, Montana State University, Purdue, and UNL are included in the descriptions of those titles.			

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The cost for each publication to Ohio residents, unless otherwise indicated here or by your county office, is \$6. Publications that are "free online" are available at <u>ohio4h.org/publications</u>. "TBD" means the price is still to be determined.

\* = New or revised for 2021

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Note: Publications followed by a bracketed number require a supplement for project completion. For example, 117 Beef Project and Record Book requires the 117R Beef Resource Handbook.

Updated 10-15-20

#### For-Sale Project Books and Resources

Qty.	\$ <b>No.</b> 91	Project Discovering 4-H	Qty.	\$ <b>No.</b> 139	Project Market Hog Project and Record Book
	92	4-H Around the Globe		 	[134R]
·	 _ 103R	Beef, Sheep, and Swine Selection and Evaluation (\$9)		 _ 140	Swine Breeding Project and Record Book [134R]
	117	Beef Project and Record Book [117R]		 _ 150	Poultry Project and Record Book
	_ _ 117R	117B – Beef Breeding 117BF – Beef Feeder (Market) 117DF – Dairy Beef Feeder (Market) 117M – Market Beef Beef Resource Handbook (\$17.75)			150CE – Chicken, Exhibition 150CM – Chicken, Market 150CEP – Chicken, Egg Production: Hens & Pullets 150DE – Duck, Exhibition
	 _ 122	Dairy Heifer Project and Record Book [127R]			150DM – Duck, Market 150GE – Goose, Exhibition 150GM – Goose, Market
	 _ 126	Dairy Cow Project and Record Book [127R]			150TE – Turkey, Exhibition 150TM – Turkey, Market
	_ 127R	Dairy Resource Handbook (\$16)		167GPM	150H – Helmeted Guinea Fowl ChickQuest Teacher Guide (\$19)
	 _ 132	Llama and Alpaca Project and Record Book [132R]		 _ 167P	ChickQuest 21-Day Calendar Poster
	132R	Llama and Alpaca Resource Handbook		 _ 167RI	ChickQuest Logbook, single copy
	4040	(\$12)		 _ 167RS	ChickQuest Logbook, set of 25 with 21-Day Calendar poster (\$48)
····· ·	 _ 134R	Swine Resource Handbook for Market and Breeding Projects (\$15.50)		173	Horseless Horse
	135	Goat Project and Record Book [135R]		174	Beginning Horse Management (\$14)
		135BD – Breeding – Dairy Goats		 _ 175	Light Horse Selection [190R]
		135BM – Breeding – Meat Goats 135F – Fiber Goats		 _ 177	Horse Training: How to Talk to Your Horse (\$19) [190R]
		135H – Harness Goats 135M – Market – Dairy, Meat, or Cross Goats		 _ 179R*	Uniform Rules for 4-H Horse Shows
		135P – Pack Goats		 180	Learning to Jump [190R]
		135PY – Pygmy Goats 135C – Companion – Pet Goats		 _ 181	Draft Horse [190R]
	135R	Goat Resource Handbook (\$17)		182	Small Equine [190R]

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		Equine Reproduction and Genetics [190R]		373	My Hands to Larger Service: Teen Leaders Building Our Communities
	188	Trail Riding [190R] (\$9)		374	Teens on Board
		Dressage [190R]		375	Leadership Road Trip: Where Are You
	190R	Equine Record Book		070	Going?
·	191R	Horses, Safety, and You		376	Pantry Panic
<u></u>	194R	Sheep Resource Handbook for Market and Breeding Projects (\$19)		377	Finding Your Voice: Public Speaking Made Easy
	198	Market Lamb Project and Record Book [194R]		382 383	Am I Ready for Work? Club Leadership 2
	199	Sheep Breeding Project and Record		384RI	Parliamentary Procedure Pocket
	200	Book [194R]		20400	Guide, single copy
		All About Dogs		384RS	Parliamentary Procedure Pocket Guide (\$23)
	201	Dog Project and Record Book [201R]		387*	Here, There, Ag Careers Are
		201D – You and Your Dog 2010 – Obedience		00.	Everywhere
		201S – Showmanship		405	The Laundry Project
		201P – Performance		406	Clothes for High School and College
	201R	201W – Working Dogs		407	Accessories for Teens
<u> </u>		Dog Resource Handbook (\$16.50)		408	Creative Costumes
	202	Dog Achievement Program (\$12) [201R]		409	Sew Fun
	215	Cavy Project and Record Book [215R]		410	Designed by Me
		Cavy Resource Handbook: A 4-H		411	em•bel•lish: A Guide to Wearable Art
		Guide to Guinea Pigs (\$13)		412*	Sew for Others
	216	Purr-fect Pals, Level 1		413	Sundresses and Jumpers
	o 1 <del>-</del>	Climbing Up, Level 2		415	Ready, Set, Sew Active!
	218	Leaping Forward, Level 3		417	Dress-up Outfits
		Pocket Pets Project and Record Book		418	Loungewear
		[220R]		419	Terrific Tops
<u> </u>	_ 220R	Pocket Pets Resource Handbook (\$13)		420	Outerwear for Anywhere
	225	Breeding Rabbit Project and Record Book [228R]		424	Clothing for Middle School
	226	Market Rabbit Project and Record		425	Look Great for Less
		Book [228R]		426	Clothing for Your Career
	227	Pet Rabbit Project and Record Book		430	Shopping Savvy
		[228R]		441R	Agriculture Career Cards (TBD)
	_ 228R	Rabbit Resource Handbook (\$11)		442	Family History Treasure Hunt (\$10)
	_ 230	4-H PetPals Project and Record Book		445	Becoming Money Wise
	_ 230GPM	PetPals Leader's Guide (\$29)		448	Teens On the Road to Financial
<u> </u>		From Airedales to Zebras, Level 1			Success
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		On the Cutting Edge, Level 3		461	Let's Bake Quick Breads
		You're the Athlete (\$11)		462	Yeast Breads on the Rise
<u> </u>		Staying Healthy		463	Sports Nutrition: Ready, Set, Go
<u> </u>		Keeping Fit		467	You're the Chef
		First Aid in Action		469	Global Gourmet
	354*	Medicine Science and Safety		472	Grill Master
<u> </u>		Tracking Your Health and Fitness		474	Beyond the Grill
<u> </u>		Alcohol and Drug Abuse		475	Star Spangled Foods
	358	The Truth About Tobacco		476	Pathways to Culinary Success
	359	Your Thoughts Matter		477	Party Planner: A 4-H Guide to Quantity
	371	Club Leadership 1			Cooking

	481	Everyday Food and Fitness	1	586*	Mastering Photography, Book 3 (\$11)
	484	Snack Attack!		588	The Writer in You
	405	Racing the Clock to Awesome Meals		592	Get Started in Art
		Dashboard Dining: A 4-H Guide to		593	Seeing Through Graphic Design
		Healthful Fast Food Choices		611	Explore the Outdoors
	487	Take a Break for Breakfast		612	Geology: Can You Dig It?
	490	Science Fun with Dairy Foods: The		613*	Explore the Poles
	491	Case of the Missing Milk		617	Exploring Ponds
	491	It's My Home Cake Decorating Project and Record		620	Why Trees Matter
	492	Book [492R]		621	Ohio Birds
	492R	Cake Decorating Resource Handbook		622	Trapping Muskrats in Ohio
	493	Science Fun with Kitchen Chemistry		623	Outdoor Adventurer: Beginning Fishing
	494	Makeover My Space		624	Outdoor Adventurer: Intermediate
	496	My Favorite Things		<u></u>	Fishing
	496AG	Growing Together		630	Safe Use of Guns
	497	Scrapbooking: A 4-H Guide to		631	Basic Archery
		Preserving Memories		641	Beekeeping Project and Record Book [outside resources]
		Quilting the Best Better		644	Insect Adventures 1 [644R]
		You Can Quilt!		644R	Insect Collection Guide (TBD)
		Science Fun with Physics		645	Insect Adventures 2 [644R]
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		Rockets)		692	Growing with the Seasons (\$10)
	507	Robotics 1 with EV3		710GPM	The Big Book of 4-H Cloverbud Activities (\$16)
	508	Robotics 2: EV3N More		711AG	4-H Cloverbud Volunteer Guidebook
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	518	Wheels in Motion, Level 2		712GPM	Connect to College (\$16)
	527	Magic of Electricity, Level 1		713R	Choose and Tell Cards (\$19)
		Investigating Electricity, Level 2		714R	Clover Cubes (\$13.50)
<u> </u>		Wired for Power, Level 3		715I	My 4-H Cloverbud Year, single copy
	530	Entering Electronics, Level 4		715S	My 4-H Cloverbud Year, set of 10
	531	Science Fun with Electricity			(\$28)
	540	Not Just Knots		750	Rifle Member Record Book
	541	Crank It Up, Level 1		751	Archery Member Record Book
	542	Warm It Up, Level 2		752*	Shotgun Member Record Book
	543	Tune It Up, Level 3		753	Pistol Member Record Book
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Projects			Free online	512M	Robotics Master		
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Free online	"	Discovering Genetics	Free online	495	Your First Home Away from Home		
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	365.01	Companion Animal			Biochergy Education		
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Free online	"	Pigeons	Free online Free online	955 959	Working with Officers and Committees		
Free online	"	Reptiles and Amphibians		909	Launching into the Next Millennium Club Activities Handbook		
	365.02	Creative Arts	Club Officer	Resource	۹		
Free online	"	Miniature Gardens (fairies, etc.)			ated materials are available on the Club		
Free online	"	Paper Craft	-		ohio4h.org/officer-resources.		
Free online	"	String Art		pago at			
	365.03	Family Life	For publication	ns not availa	ble through your county Extension office,		
Free online	"	Babysitting	please visit <b>oh</b> such as Shop	For publications not available through your county Extension office, please visit <b>ohio4h.org/projectcentral</b> . Links to other sources, such as Shop4-H.org, Montana State University, Purdue, and UNL are included in the descriptions of those titles.			

## 4-H Club By-Laws - OPTIONAL - Template

The 4-H Club Constitution is required for every 4-H Club. Though optional, Clubs may create their own set of operational "By-Laws", as long the added rules do not conflict with the Club Constitution.

Include any additional Club rules, guidelines, expectations or policies not listed in the constitution: dues, committees, achievement requirements, record books, project exhibition, fund raising, club trip, etc.

Below are examples of optional articles that could be included in a 4-H Club's By-Law.

## 4-H Club By-Laws

Article I. The name of the Club shall be\_\_\_\_\_\_4-H Club (the "Club"). Organized in the County of \_\_\_\_\_\_, OH.

## Article II. Meetings

- Meetings held at on the 3<sup>rd</sup> Wednesday, 7 pm, monthly.
- The re-organization meeting held the third Wednesday in January.
- The annual achievement and awards program held the 3rd Wednesday in October.

## Article III. Policies

- The Club will hold meetings that include business, social and recreation activities, and hands-on fun learning.
- A simple majority of "votes in favor" will pass decisions.

## Article V. Parliamentary Procedures

 The Club will use basic principles of parliamentary procedures as defined in Roberts Rules of Order.

Continued



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## Article VI. Officers

- Election of officers will occur one month after the re-organization meeting.
- Nominations from the floor will also be permitted.
- The Club will vote on vacancies in any given office.

## Article VII. Committees

 Standing committees will be: (1) Awards and Recognition Banquet Committee, (2) Fundraising Committee, (3) Community Service, (4) Constitution and By-laws. (5) Activities Committee.

These By-Laws have been adopted by the members of

	4-H Club
On date	
Signature	
Print name here Club Organizational Advisor	
Date	
Signature	
Print name here Club Youth President	
Date	

Date(s) of amendment:

## **Ohio 4-H Youth Development Club Constitution**

### Article I. Name

The name of the Club shall be \_\_\_\_\_\_4-H Club (the "Club"). Organized in the County of \_\_\_\_\_\_, OH. The Club shall be organized as an unincorporated association.

### Article II. Purpose

The Club will work with boys and girls to help them grow into productive, contributing members of society. The Club will offer fun, active opportunities for personal learning and growth through club meetings, projects, hands-on learning, leadership opportunities, fairs and activities. The Club is organized exclusively for charitable and educational purposes including, for such purposes, the making of distributions to organizations that qualify as exempt organizations under section 501(c)(3) of the Internal Revenue Code, or the corresponding section of any future federal tax code.

## Article III. Ohio State University Extension Affiliation

The Club agrees to comply with all applicable OSU Extension policies and procedures governing Ohio 4-H and agrees that the County 4-H Youth Development Professional has all necessary and proper authority to oversee the Club to ensure the Club's compliance. OSU Extension is authorized to include the Club in a group tax exemption, and the Club will supply all necessary documentation to ensure the Club's inclusion in a group tax exemption.

## Article IV. Policies

Any major decisions of the Club must be voted on by 2/3 of the membership unless the Executive committee was authorized to make the decision. Major decisions include: 1. Amendment of this constitution 2. Financial disbursement from the Club treasury 3. \_\_\_\_

#### Article V. Membership

<u>Section A.</u> The Club will follow the current Ohio 4-H policy requirements that define eligibility age for membership. Any youth, without regard to race, color, sex, disability, religion, age, or national origin will be accepted as a member. The Club will accept a maximum number of members each year. Once capacity is met, enrollment will be closed until a vacancy occurs. The maximum shall be determined by the decision of the organizational leader and or the County 4-H Professional.



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CFAES provides research and related educational programs to clientele on a nondiscriminatory basis. For more information: go.osu.edu/cfaesdiversity. <u>Section B.</u> The Club may work with Cloverbuds, as well as project members, age 8 and in 3<sup>rd</sup> grade through age 18 as of January 1<sup>st</sup> of the current year. If working with Cloverbud members they will be part of the total club, but will have separate activity based learning that is appropriate for their age group.

<u>Section C.</u> To become a member, individuals must complete an enrollment form each year with a parent/guardian signature and agree to abide by the rules defined by the Club, the Ohio 4-H Program and the County 4-H program. Members must make a commitment to follow the values stated in the 4-H Club Member Pledge.

Section D. The Club will enroll at least 5 members from at least 3 families each year.

<u>Section F.</u> The Club will meet the standards of usage and protect the 4-H Name & Emblem as set by 4-H National Headquarters.

## Article VI. Officers, Elections, and Duties

<u>Section A.</u> The Club will have the following officers: President, Vice President, Secretary, Treasurer, (and the following optional choices of officers) Recreation Leader, Historian, News Reporter, Health Officer, Safety Officer, Environmental Officer and Community Service Leader.

Section B. Officers shall be elected annually.

<u>Section C.</u> Officers shall perform duties as defined in the 4-H officer guides and/or resources. If an officer resigns or can no longer serve as an officer, the Club will select a replacement.

## Article VII. Committees

#### Section A. Executive Committee

The Executive committee will be made up of President, Vice President, Secretary, and Treasurer. This committee shall make any business decisions that must be made prior to the next regular business meeting. The Club members may also delegate decisions to this group.

#### Section B. Standing Committees

Standing committees are appointed by the Club president and serve as long as needed. Each committee will consist of a chair, and enough members to get the task completed.

#### Article VIII. Meetings

<u>Section A.</u> The Club will meet a minimum of six times per year. A calendar of meeting dates, times, and locations will be distributed to members.

<u>Section B.</u> Members will be given an excused absence for illness and other reasons. Members must contact an advisor or officer, prior to the meeting and explain why they are unable to attend the meeting.

## Article IX. Leadership

The Club shall be under the direction and guidance of adult local club leader(s) who have completed the Ohio 4-H Youth Development volunteer selection process.

## Article X. Enrollment and Registrations

Annually, members are required to complete a variety of enrollment registration forms and other paperwork in order to participate in 4-H activities and events such as project judging, fairs, clinics, workshops, camps, and awards. It is each member's responsibility to meet the deadline for completion of these forms. Failure to complete the materials in a timely manner may result in non-participation in the activity.

## Article XI. Financial Reporting and Responsibilities

Section A. The Ohio 4-H fiscal year is defined as January 1 through December 31.

<u>Section B.</u> The Club will obtain and maintain its own Tax Payer Identification Number (TIN), also known as Employee Identification Number (EIN).

<u>Section C.</u> The Club Annual Financial Report in the format requested by OSU Extension must be submitted to the County Extension office every year by the date established by OSU Extension.

<u>Section D.</u> An annual IRS 990 filing (Form 990, 990EZ, or 990N, depending on Club revenue) must be completed by May 15 for the previous tax year.

## Article XII. Use of Club Revenue

Section 501(c)(3) of the Internal Revenue Code prohibits the Club from paying any net earnings beyond reimbursements for the Club's expenses, to any of its members, directors, or officers. Additionally, Section 501(c)(3) prohibits the Club from participating in or taking sides either in political campaigns or in any effort to pass a specific law. The Club will primarily operate for educational purposes. The above limitations are explained in more detail in the following paragraph.

No part of the net earnings of the Club shall inure to the benefit of, or be distributable to its members, trustees, officers, or other private persons, except that the Club shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distributions in furtherance of the purposes set forth in Article II. above. No substantial part of the activities of the Club shall be the carrying on of propaganda, or otherwise attempting to influence legislation, and the Club shall not participate in, or intervene in (including the publishing or distribution of statements) any political campaign on behalf of or in opposition to any candidate for public office. Notwithstanding any other provision of this constitution the Club shall not carry on any other activities not permitted to be carried on (a) by a corporation or unincorporated association exempt from federal income tax under section 501(c)(3) of the Internal Revenue Code, or the corresponding section of any future federal tax code, or (b) by a corporation, or unincorporated association contributions to which are deductible under section

170(c)(2) of the Internal Revenue Code, or the corresponding section of any future federal tax code.

## Article XIII. Dissolution

Upon dissolution of the Club, any assets shall be distributed to a recognized 4-H club/4-H affiliate or distributed to the Ohio 4-H Youth Development Foundation with the approval of the county 4-H Youth Development Professional as long as such organization is an exempt organization within the meaning of section 501(c)(3) of the Internal Revenue Code, or the corresponding section of any future federal tax code, or shall be distributed to the federal government, or to a state or local government, for a public purpose if such organization is not exempt. Any such assets not so disposed of shall be disposed of by a Court of Competent Jurisdiction of the county in which the principal office of the corporation is then located, exclusively for such purposes or to such organization or organizations, as said Court shall determine, which are organized and operated exclusively for such purposes.

This constitution has been adopted by the members of	
	4-H Club
On (date)	
Signature	
Print name here Club Organizational Advisor	
Date	
Signature	
Print name here Club Youth President	
Date	

## **Ohio 4-H Charter Checklist**

## 4-H National Headquarters and Ohio 4-H Youth Development require that all clubs be chartered.

Please complete this checklist to determine whether your club has met the Ohio 4-H Club charter requirements. This checklist will be reviewed by your County 4-H Extension Professional. Chartered 4-H clubs are permitted to use the 4-H Name and Emblem according to 4-H National Headquarter guidelines. Clubs that meet these minimum requirements will be granted/continue a charter. The charter checklist must be reviewed every year to assure a club's continued compliance with the 4-H Club criteria.

Name of 4-H Club	_ EIN #	(9 digits)
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Name of Contact Advisor

Address of Contact Advisor

Criteria – Advisors to mark (x) the appropriate box:	Requirements Met	Not Met
All of our adult club volunteers are approved through the Ohio 4-H Volunteer Selection Process.		
Our 4-H club has at least five youth members from three different families		
The name of our 4-H club was approved through the County Extension Office.		
Our club plans to conduct a minimum of six regular club meetings per year.		
Our club has a current constitution.		
Our club has elected officers.		
Our 4-H club agrees to provide a welcoming and safe environment for all club members.		
Our 4-H club plans a series of experiential learning experiences for club members.		
Our 4-H club agrees to follow all national, state and county 4-H policies and procedures.		
Our 4-H club agrees to follow the national and state 4-H guidelines for the use of the 4-H Name and Emblem.		
Our club agrees to follow national and state 4-H guidelines for fundraising.		
Our club agrees to maintain its own Taxpayer Identification Number (EIN/TIN) and complete an IRS 990 filing by May 15 each tax year.		



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Our 4-H club will not participate in any political campaign or devote time to attempt to influence legislation.		
Our club agrees to submit a financial report at the end of each club program year.		
Upon dissolution of this club, we agree that any assets will be distributed for a tax exempt purpose.		
Additional Comments from Club Advisor(s):		
Advisor's Signature/Date Reviewer Comments:	Circle One	
Reviewer Comments:	Charter Granted	e Charter Denied
Extension Professional's Signature/Date		

Revised 3/12/2015



#### VOLUNTEER STANDARDS OF BEHAVIOR

These Standards of Behavior are accepted by volunteers who commit to an Ohio State University Extension ("OSUE" or "Extension") program as a condition of their volunteer status. The Standards of Behavior shall guide volunteer's behavior during their involvement in Extension programs. Just as it is a privilege for Ohio State University to work with individuals who volunteer their time and energies to the organization, a volunteer's involvement with OSUE is a privilege and a responsibility, not a right.

OSUE provides quality educational programs accessible to all Ohio citizens. The primary purpose of this Standard of Behavior is to ensure the safety and well-being of all Extension program participants (i.e., members, their parents and families, professionals, and volunteers). Volunteers are expected to function within the guidelines of OSUE and the individual program area (4-H, Agricultural & Natural Resources, Family & Consumer Sciences, and Community Development). Extension volunteers shall act with personal integrity.

Ohio State University Extension volunteers will:

- Uphold volunteerism as an effective way to meet the needs of youth and adults.
- Uphold each individual's right to dignity, self-development, and self-direction.
- Accept supervision and support from professional Extension staff while involved in the program.
- Accept the responsibility to represent their individual county Extension program and The Ohio State University.
- Conduct themselves in a courteous and respectful manner, exhibit good sportsmanship, and provide positive role models for all youth.
- Respect, adhere to, and enforce the rules, policies, and guidelines established by their individual county Extension program and OSUE.
- <u>Not</u> engage in abusive behaviors that physically or verbally threaten or harm any Extension program participant, including youth.
- Not possess or consume intoxicating substances including drugs or alcohol while responsible for the care, custody or control of 4-H participants.
- Not engage in any act prohibited by law.
- Comply with all civil rights laws and policies, including but not limited to OSUE equal opportunity, antidiscrimination laws, program participant policy.
- Perform duties in a responsible and timely manner as outlined in the position description.
- Immediately report any threats to the volunteer's emotional or physical well-being to the county Extension
  professional.
- Accept the responsibility to promote and support Extension programs in order to develop an effective county, state, and national program.
- Handle animals and operate machinery, vehicles, and other equipment in a responsible manner.

I understand and agree that as a volunteer:

- In accordance with Ohio State University policy, Self-Disclosure of Criminal Convictions Policy 4.17, I am required to self-disclose criminal convictions within three business days of the conviction.
- I will follow Ohio State University Institutional Data Policy, which specifies requirements for protecting
  institutional data, including but not limited to 4-H member and volunteer personal data.
- I will uphold and support the responsible and lawful use of social media. In so doing, I will not create or post social media content that is abusive, threatening, defamatory, obscene, harassing, or creates a hostile environment.
- I will report any child abuse, sexual abuse, or neglect in accordance with university policy.
- I will not intentionally or purposefully place myself in a position alone with a member of a vulnerable population, in a one-on-one situation, including, but not limited to sleeping guarters with participants.
- I will not, under any circumstances, physically, verbally, or emotionally abuse or fail to provide the basic necessities of care, such as food or shelter to participants.
- I will endeavor to provide a safe and healthy program/camp experience for all participants.
- My volunteer status is subject to immediate suspension or termination based on any act or omission that Extension determines to be contrary to any portion of these standards or otherwise in conflict with the goals of OSUE.

I have read, understand, and agree to be bound by the VOLUNTEER STANDARDS OF BEHAVIOR outlined above.

Volunteer Signature

Date





Updated 11/2020

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