GENERAL RULES

Animal Science Requirement Sheet

Companion Animals, 135, 173, 200, 210-230

1. Project Requirements
    a. Select, care, and keep accurate records for one or more pets.
    b. Follow and complete project book.
    c. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project and/or bring your pet.
2. Required Participation
    a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
    b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

<u>Animal Science Projects</u>

135   Companion-Pet Goats (135C),
135R – Goat Resource Book, required
Animals in this category cannot be enrolled in any other project category.

173   Horseless Horse, All ages, **cannot be repeated, not state fair eligible.**

200   All About Dogs, Beginner (ages 8-10), **cannot be repeated.**
210   Assistance Animals in Action, Intermediate (ages 11-13)

215   Cavy Project and Record Book, All ages
        215R - Cavy Resource Book, required

216   Purr-fect Pals, Level 1, Beginner (ages 8-10)
217   Climbing up! Level 2, Intermediate (ages 11-13)
218   Leaping Forward, Level 3, Advanced (ages 14+)

220   Pocket Pets Project and Record Book
        220R - Pocket Pets Resource Handbook, required

228   Pet Rabbit, All Ages (228PE)
        228R – Rabbit Resource Book, required

230   4H PetPALS Project and record Book, Supervised Group Project
230GPM 4H PetPALS Leader's Guide

GENERAL RULES

Animal Science Requirement Sheet

Dogs, 201, 201+, 202

1. Project Requirements
   a. Select, care, and keep accurate records for one or more dogs.
      i. May exhibit up to two dogs.
      ii. Entry and Vaccination papers due May 2. Upload forms to 4HOnline.
      iii. Certificate of licensure must be presented (uploaded) for entries; dog license alone will not be accepted.
      iv. Vaccination must be administered by accredited veterinarian and current through July 27.
   b. Follow and complete project book.
   c. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project and show your dog(s).
   d. Sign and upload Dress Code requirement to 4H Online by May 21.
2. Required Participation
   a. June 24: Project interviews, show, and judging will be held at the Knox County Fairgrounds, beginning at 4:00pm.
      i. Optional participation include: Skillathon and Friday Night Fund Show (July 26).
      ii. Dogs participating must be 6 months old or older by May 21.
      iii. Dogs in heat, pregnant/nursing bitches will NOT be permitted to participate in judging for the Knox County Fair or the Ohio State Fair.
   b. Bring completed book and exhibit to judging.
      i. Helpful resources: https://ohio4h.org/animalsciences/dog/dog-resources.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/animalsciences/dog/dog-ohio-state-fair

Competitive Dog Projects

201 Dog Project and Record Book, All Ages
201O – Obedience
201S – Showmanship
201P – Performance (Agility)
201W – Working
201R – Required Resource Book, additional cost
Required Competitive shows include: Obedience, Showmanship, Competitive Agility and an interview.

You and Your Dog Projects

201   Dog Project and Record Book, All Ages
       201D – You and Your Dog
       201R – Required Resource Book, additional cost
       Additional Resources: https://ohio4h.org/animalsciences/dog/dog-ohio-state-fair

Dog Achievement Projects

202   Dog Achievement, All Ages
       201R – Required Resource Book, additional cost
       - Earn pins and certificates as you select from hundreds of online activities that cover basic training, exercise, health, and safety, etc. Perfect for youth who do not have access to a dog club or volunteers with dog experience and for those who are not interested in competing.
       - Once you meet the minimum requirements for a certificate you must verify the completion of each DAP category by filling out an online DAP project summary questionnaire at www.go.osu.eduDAPprojectsummary. Once completed and verified by your county 4-H professional, you will then receive your DAP certificate(s) and be notified of recognition at the Ohio State Fair Dog Show for the relevant year.
       Additional Resources: https://ohio4h.org/animalsciences/dog/dog-achievement-program

Ohio State Fair Entry Information

OSF Dog Show – June 17-19 (Voinovich Livestock & Trade Center) Any youth enrolled in a 4-H or FFA dog project may enter the Ohio State Fair Dog Show, including Dog Poster Contest. The exhibitor's 4-H advisor/FFA instructor and Extension professional must approve all entries.
https://ohio4h.org/animalsciences/dog/dog-ohio-state-fair

DOG SHOW ENTRIES (JULY 17-19) MUST BE MADE ONLINE BY 1:00 PM, MAY 21.
AGILITY TRIAL ENTRIES (JUNE 24) MUST BE MADE ONLINE BY 1:00 PM, JUNE 21.
LATE ENTRIES WILL NOT BE ACCEPTED!

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GENERAL RULES

Animal Science Requirement Sheet

Veterinary Sciences, 244-246

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Veterinary Science Projects

244   From Airedales to Zebras, Level 1, Beginner (ages 8-10)
245   All Systems Go! Level 2, Intermediate (ages 11-13)
246   On the Cutting Edge, Level 3, Advanced (ages 14+)

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GENERAL RULES

Healthy Living Requirement Sheet

Healthy Living, 351-360, 434

1. Project Requirements
    a. Follow and complete project book.
    b. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project.
2. Required Participation
    a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
    b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Discovering 4-H Projects

300   You're the Athlete, Intermediate (ages 11-13)
351   Staying Healthy, Beginner (ages 8-10), cannot be repeated.
352   Keeping Fit, Intermediate (ages 11-13), cannot be repeated.
355   Tracking Your Health and Fitness, Intermediate (ages 11-13), cannot be repeated.

353   First Aid in Action, Beginner (ages 8-10), cannot be repeated.
354   Medicine Science and Safety, Beginner (ages 8-10), cannot be repeated.

357   Alcohol & Drug Abuse, Advanced (ages 14+), cannot be repeated.
358   Truth About Tobaccos, Advanced (ages 14+), cannot be repeated.

356   Relationships 101, Intermediate (ages 11-13), cannot be repeated
359   Your Thoughts Matter, Advanced (ages 14+), cannot be repeated.
360   Your Feelings Matter, Beginner (ages 8-10), cannot be repeated.
434   Superhero You, Beginner (ages 8-10), cannot be repeated.

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Self-Determined Requirement Sheet

Self Determined, 365

1. Project Requirements
   a. Follow and complete project "book". Project Book is the Self Determined Project Guide which can be found: https://ohio4h.org/selfdetermined
   b. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project.
   c. Idea Starters found on the website can be used, but do not have to be. Ideas starters provide more background as they are popular, but no project book exists.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed project guide and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Self Determined Projects

365   Self-Determined Project Guide (See above website for pdf to download/print)
      Projects will be judged by Junior (8-13 yrs old) and Senior (14-18 yrs old)

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Career Exploration Requirement Sheet

Career Exploration, 382-387

1. Project Requirements
    a. Follow and complete project book.
    b. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project.
2. Required Participation
    a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
    b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Career Exploration Projects

382   Am I Ready for Work?, Intermediate (ages 11-13)

386   You're Hired!, Advanced (ages 14+)
387   Here, There, AG Careers are Everywhere, Advanced (ages 14+)

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Leadership & Communication Requirement Sheet

Leadership & Communication, 370-383

CFAES

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Leadership Projects

370   Mentoring: Leadership in Action, Advanced (ages 14+), cannot be repeated.
         Project 370 Only: Must have letter from advisor who witnessed your leadership efforts and additional page describing a planned program.

371   Club Leadership 1, Intermediate (ages 11-13), cannot be repeated.
383   Club Leadership 2, Advanced (ages 14+),

372   Diversity, Advanced (ages 14+), cannot be repeated.
373   My Hands to Larger Service: Teen Leaders Building Our Communities, Advanced (ages 14+), cannot be repeated.
374   Teens on Board, Intermediate (ages 11-13), cannot be repeated.
375   Leadership Roadtrip: Where Are You Going?, Intermediate (ages 11-13), cannot be repeated.

376   Pantry Panic, Advanced (ages 14+), cannot be repeated.
         Additional Resource: www.midohiofoodbank.org/pantrypanic

377   Finding Your Voice, Beginner (ages 8-10), cannot be repeated.

378   Leadership Master, Advanced (ages 14+), cannot be repeated.

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GENERAL RULES

Clothing and Textiles Requirement Sheet

Clothing, 406-432M

1. Project Requirements
   a. Select project based on sewing abilities and age. (Projects cannot overlap. Repeating projects requires members to attempt new challenges every year.)
   b. Follow and complete project book.
   c. Exhibition: Prepare an exhibit (i.e. outfit, accessory, costume, etc) of something you've learned from the project. Wear the complete outfit (Total Look) to judging.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center. Participate in Style Revue July 15, 6:30pm.
   b. Bring completed book and wear exhibit to judging. Pay attention of special instructions for each project below.
      i. Total Look includes: accessories needed to complete outfit and form with details to be read during Style Revue
   c. To be eligible for state fair, 4H member must showcase exhibit during county Style Revue July 15.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Clothing Projects

Beginner (Little or no experience or 8-10 years old)

407   Accessories for Teens (also 12+ years old)
Make at least one accessory from the following categories. Accessory should be used to compete total look for outfit of your choice: bags/purses, scarves/ties, muffler/shawls, socks/hosiery, suspenders, jewelry, removeable collar/dickey/jabots, belts/cummerbunds, footwear/shoe covers, hats, gloves.

409   Sew Fun
Make a pin cushion and one item of clothing using an easy/beginner pattern. (page 21 of Book) Include accessories to complete the total look.

410   Designed by Me (cannot be repeated)
Design/personalize a sweatshirt, button down shirt, simple jacket, or t-shirt by fusing a decorative patch. Edges should be finished by stitching or painting. Minimum of 2 embellishments. Include accessories to complete Total Look.

413   Sundresses and Jumpers (cannot be repeated)
Make a sundress or jumper, selecting a top or other items to wear with it, if needed. Do not make a pantsuit, jumpsuit, skort or split skirt jumper.

419   Terrific Tops (cannot be repeated)
Put together a complete outfit that includes making a top, selecting bottoms and accessories.

Intermediate (Some experience, 11-13 years old)

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411 em-bel-lish: A 4-H Guide to Wearable Art (cannot be repeated)
Take a ready-to-wear or previously made garment and refresh it with embellishment.
Previously constructed garments must have been crafted by member.

412 Sew for Others
Construct a garment for someone other than yourself. Have that person come with you to
judging to model the garment. Include accessories for the Total Look.

415 Ready, Set, Sew (cannot be repeated)
Assemble an outfit for active sportswear, making at least one garment in the outfit. Include
accessories to complete the Total Look.

418 Loungewear (can also be done in Beginner or Advanced levels)
Construct the outer layer of a lounging outfit, see page 10, 14 of book. Ideas include: robe,
wrap, housecoat, jumpsuit, tunic and pants or other cozy garment suitable for lounging. Use
other garments and accessories to complete the Total Look.

424 Clothing for Middle School
Assemble an outfit to wear to school. Garments to be constructed include: garment with
sleeves or skirt or pants plus a top such as a vest, collarless jacket, sweater, blouse, or other
top with or without sleeves. You may sew, knit, crochet your garments. Complete Total Look.

430 Shopping Savvy (cannot be repeated)
Prepare an outfit, including accessories to complete a Total Look.

Advanced (Experienced, 14+ years old)
406 Clothes for Highschool and College
Construct at least one outfit with a minimum of two pieces or a one piece garment with
sleeves, plus some other style detail you have not tried before.

408 Creative Costumes
Construct a costume from the following categories: historical, ethnic/cultural, theatrical,
special interest and use accessories to complete total look.

417 Dress up Outfits
Construct at least one dress-up garment as part of a total dress up outfit in the Day Wear or
Formal Evening Wear category. Use accessories to complete total look

420 Outerwear for Anywhere
Construct an advanced level coat, jacket, or cape. Complete Total Look with other garments
and accessories.

425 Look Great for Less
Put together a Total Look as inexpensively as possible. Two accessory and one minor
garment may come from existing wardrobe. Shoes from existing wardrobe do not count as
accessory items.

426 Clothing for Your Career
Make and evaluate an outfit that has a minimum of two pieces that can be used in an
interview or job. Choose accessories to complete the Total Look.

432 Sewing and Textiles Master (cannot be repeated)
Plan, construct, and evaluate at least one non-clothing fabric item. Should not be something
that would fit into another 4H clothing project.

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Money Management Requirement Sheet

Money Management, 445, 448

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display, etc) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Money Management Projects

445   Becoming Money Wise, Beginner (ages 8-10)
448   Teens on the Road to Financial Success, Advanced (ages 14+)

Food and Nutrition Requirement Sheet

Food, 459-487

1. Project Requirements
   a. Select project based on cooking abilities and age. (Projects cannot overlap. Repeating projects requires members to attempt new challenges every year.)
   b. Follow and complete project book.
   c. Exhibition: Prepare a portfolio, dish, and full day menu based on your project to bring to judging. Dish should be served with a place setting.
      i. Menus should be based on daily nutritional values found under myplate.gov
   d. Portfolio: 3 pronged folder that includes 8 ½" x 11" pages. Participants will create a maximum of one page per activity or interest area from the book. Pages could include: pictures, journal, timeline, collage, or other format to demonstrate knowledge of the participant. A single format or a variety of formats can be used. Portfolios will be judged based on inclusion of information from the book, organization of materials, verbal presentation, and communication with the judge.
      i. https://ohio4h.org/sites/ohio4h/files/imce/Families/state_fair/2023%20State%20Fair%20Interest%20Areas.pdf
   e. Members are responsible for the following:
      i. Knowledge of MyPlate:
         • https://www.myplate.gov/
      ii. How to set up a Place Setting:
         • https://educationpossible.com/teach-kids-to-set-the-table-5-simple-steps/
         • https://hisugarplum.com/easy-table-setting-tips-for-kids/
      iii. How to plan full day Menu:
         • https://hgic.clemson.edu/factsheet/planning-meals-for-a-family/#:~:text=Plan%20meals%20that%20include%20a,twice%20in%20the%20same%20day.
         • https://www.myplate.gov/tip-sheet/meal-planning
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book, portfolio, menu, and prepared food item to judging. A full place setting is part of your dish. Participant can choose theme for place setting.
      i. **Food Safety**: Be sure foods brought to judging are safe to be eaten. Hot foods must be insulated and kept warm (over 138F) and cold foods must be kept cold (iced, under 40F).
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

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Food and Nutrition Projects

Beginner (Little or no experience or 8-10 years old)
459   Let's Start Cooking, cannot be repeated
481   Everyday Fitness cannot be repeated
484   Snack Attack
487   Take a Break for Breakfast, cannot be repeated

Intermediate (Some experience, 11-13 years old)
461   Let's Bake Quick Breads, cannot be repeated
463   Sports Nutrition: Ready, Set, Go!, cannot be repeated
472   Grill Master, cannot be repeated
475   Star Spangled Foods, cannot be repeated
477   Party Panner: A 4-H Guide to Quantity Cooking, cannot be repeated
485   Racing the Clock to Awesome Meals
486   Dashboard Dining

Advanced (Experienced, 14+ years old)
462   Yeast Breads on the Rise
467   You're the Chef
469   Global Gourmet, cannot be repeated
474   Beyond the Grill
476   Kitchen Boss, cannot be repeated

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Creative and Leisure Arts Requirement Sheet

Cake Decorating, 492

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
   c. Repeating projects requires members to attempt new challenges every year.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
      i. Cardboard "cakes" (non-edible forms) may be used for practice, judging and exhibits at the fair and are encouraged.
      ii. Cake decorating is NOT a food and nutrition project.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Cake Decorating Projects

492   Cake Decorating B, Beginner (ages 8-10)
        Cake Decorating I, Intermediate (ages 11-13)
        Cake Decorating A, Advanced (ages 14+)
492R Required Resource Book

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GENERAL RULES

Creative and Leisure Arts Requirement Sheet

Fine Arts, 497-593

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
   c. Repeating projects requires members to attempt new challenges every year.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Scrapbooking Projects

497   Scrapbooking, all ages
Bring completed scrapbook to judging.

Quilting Projects

498   Quilting the Best Better, Intermediate (ages 11-13)
Bring a quilt you made during your project.
499   You Can Quilt, Intermediate (ages 11-13)
Bring a quilt you made during your project.

Fine Art Projects

592   Getting Started in Art, all ages, Beginner (8-10)
Bring ALL works you created. These can be put into a portfolio.
593   Seeing through Graphic Design, Intermediate (ages 11-13)
Bring ALL works you created. These can be put into a portfolio.

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Creative and Leisure Arts Requirement Sheet
All Other, 496, 442, 588

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
   c. Repeating projects requires members to attempt new challenges every year.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Collecting Projects

496   My Favorite Things, Beginner (ages 8-10), cannot be repeated.

Geneology Projects

442   Family History, Intermediate (ages 11-13)
       Bring additional records you might have.

Writing Projects

588   The Writer in You, Intermediate (ages 11-13)
       Submit a sample of your writings by **June 28** to vangundy.44@osu.edu
       Writing sample submitted should be your own work; created specifically during your project (non-school related work or other activity)
       Writing classes: poetry (3 poems), free style poetry (3 poems), short story (2,000 word limit), or essay (500 word limit)
       Sample writing should include the following:
       - Cover sheet (your name, title of work)
       - double spaced
       - 12 pt font, font can be any legible style, (recommended Arial or Times New Roman)

STEM Requirement Sheet

Chemistry 490, 493 / Physics 500

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Chemistry Projects

490   Science Fun with Dairy Foods, Beginner (ages 8-10)

493   Science Fun with Kitchen Chemistry, Beginner (ages 8-10)

Physics Projects

500   Science Fun with Physics, Beginner (ages 8-10)

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GENERAL RULES

STEM Requirement Sheet

Aerospace Science, 501-503M

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
   c. Launchers are available from the OSU Extension Office.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book, exhibit, and rocket/flyer to judging. Pay attention of special instructions for each project below.
   c. Rockets will be launched and retrieved during judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

Aerospace Projects

501   Rockets Away (2L bottles), Beginner (ages 10-17), cannot be repeated.
Bring completed book and 2L bottle rocket to judging.
Members using the 2 Litter Bottle Rockets should incorporate the following safety measures:
- Never pressurize bottles above 100 psi
- Never use bottles showing signs of wear or fatigue
- When pressurizing bottles, turn face and ears away from the launcher
- Never stand closer than three feet to launcher when pressurizing or pulling launch pin
- All other individuals, including timers, must stand back at least 30 ft
- Secure launch pin with a back stop to avoid injury to person pulling launch cord
- Provide eye protection for persons pressurizing rocket and pulling launch cord
- Never force a bottle onto the launch stem of the launcher, irregular shaped openings can cause damage to the launcher's "O" ring and possible harm to the launch team
- When purchasing a replacement "O" ring for launcher ask for size 1/16" x 13/16" x 11/16"

503   Rockets Away (Estes-type), Beginner (ages 8-10), cannot be repeated.
Bring completed project and rocket to judging. Rockets and be from a kit or homemade.

503M Solid Fuel Rocketry – Master, Advanced (ages 14+), cannot be repeated.
Bring completed project and rocket to judging. Rockets and be from a kit or homemade.

502   Science Fun with Flight, Beginner (ages 8-17), cannot be repeated.
Bring completed project and glider or flyer. Can be made from kit or homemade.

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STEM Requirement Sheet

Robotics, 509, 512M

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

Robotics Projects

509   Robotics Essentials, Intermediate (ages 11-13)
Exhibit should include completed book and robot you designed.
Optional resources: https://ohio4h.org/robotics

512M Robotics Master, Advanced (ages 14+)
Exhibit should include completed book and robot you designed.
Optional resources: https://ohio4h.org/robotics

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GENERAL RULES

STEM Requirement Sheet

Small Engines, 514-544

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

Small Engine Projects

541   Crank It Up, Beginner (ages 8-10)
542   Warm It Up, Intermediate (ages 11-13)
543   Tune It Up, Advanced (ages 14+)

Mowing Projects

544   Ready, Set, Mow, Advanced (ages 14+)
      Additional Items not from the book may also be brought to judging.

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GENERAL RULES

STEM Requirement Sheet

Electricity 527-531, Energy 550

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

Electricity Projects

527   Magic of Electricity, Beginner (ages 8-10)
528   Investigating Electricity, Intermediate (ages 11-13)
529   Wired for Power, Intermediate (ages 11-13)
530   Entering Electronics, Advanced (ages 14+)
531   Science Fun with Electricity, Beginner (ages 8-10), cannot be repeated.

Energy Projects

550   Young Engineers in Solar Energy, Intermediate (ages 11-13) cannot be repeated.

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GENERAL RULES

STEM Requirement Sheet

Rope 540, Welding 573

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

Rope Projects

540   Not Just Knots, All ages
Exhibit should include at least 10 knots: bowlines, hitches, rope end knots, splices and/or halters. Exhibit should be less than 48" wide, 24" deep, and 36" tall.
Optional resources: https://ohio4h.org/knots

Welding Projects

573   Arcs and Sparks: Shielded Metal Arc Welding, Intermediate (ages 11-13)
Make at least one project outlined in the book. Additional items may also be brought to judging.

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GENERAL RULES

STEM Requirement Sheet

Woodworking, 556-560M

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. You may bring additional items not from your book to judging.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Woodworking Projects

556   Measuring Up: Getting to Know Your Tractor, Level A, Beginner (ages 8-10
557   Making the Cut, Intermediate (ages 11-13),
558   Nailing It Together, Intermediate (ages 11-13)
559   Finishing Up, Advanced (ages 14+)
560M   Woodworking Master, Advanced (ages 14+)

Additional Resources:

https://ohio4h.org/sites/ohio4h/files/imce/Families/state_fair/Woodworking%20Tool%20%20List%20 -%202020.pdf

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GENERAL RULES

Creative and Leisure Arts Requirement Sheet

Photography, 584-589M

1. Project Requirements
    a. Follow and complete project book.
    b. Exhibition: Prepare an exhibit (details below) of something you've learned from the project.
    c. Repeating projects requires members to attempt new challenges every year.
2. Required Participation
    a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
    b. Bring completed <u>book, camera used, and exhibit</u> to judging. Pay attention to additional instructions for each project outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Photography Projects

584   Photography Basics – Level 1, Beginner (ages 8-10)
Submit ONE of the following:
- A single print of any size mounted at the discretion of the participant; or
- A collection of prints illustrating a "Photo Story", consisting of at least five and not more than ten photographs mounted at the discretion of the exhibitor: or
- A collection of prints illustrating one of the "activities" the participant completed for the project, consisting of at least five and not more than ten photographs, mounted at the discretion of the participant.

585   Next Level Photography – Level 2, Intermediate (ages 11-13)
Submit ONE of the following:
- A single print of any size mounted at the discretion of the participant; or
- A single print illustrating an "enlargement," which shall consist of an enlargement print, mounted at the discretion of the participant, and accompanied by the original size print; or
- A collection of prints illustrating one of the "activities" the participant completed for the project, consisting of at least five and not more than 10 photographs mounted at the discretion of the exhibitor: or
- A single original print illustrating a "News Story", which shall be an original photo mounted at the discretion of the exhibitor and accompanied by the published article

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586 Mastery Photography – level 3, Advanced (ages 14+)
Submit ONE of the following:
- A single print of any size mounted at the discretion of the participant; or
- A single print illustrating an "enlargement," which shall consist of an enlargement print, mounted at the discretion of the participant, and accompanied by the original size print; or
- A collection of prints illustrating one of the "activities" the participant completed for the project, consisting of at least five and not more than 10 photographs mounted at the discretion of the exhibitor: or
- A single original print illustrating a "News Story", which shall be an original photo mounted at the discretion of the exhibitor and accompanied by the published article

589M Photography Master, Advanced (ages 14+)
Pick from ONE of the following:
- Select a type of photography (i.e. portrait, wedding, baby, landscape, sports, fashion, etc.) and explore the skills and equipment needed to be successful. Create a portfolio that showcases the type of photography you choose.
- Create a collection of images illustrating a "picture story" or a "documentary" with print or digital images.
- Experiment with a variety of lighting intensities and angles, and apply your new knowledge to your photography.
- Learn to see in "Black and White" and explore how removing color changes the mood, focus of attention, or even attractiveness.
- Use a specialized technique, such as selective focusing or enlarging, to change an image's focal point, feel, meaning, etc.
- Learn how to use the manual settings on your camera to your advantage (i.e. nighttime photography

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Natural Resources Requirement Sheet

Natural World, 611-646

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
   c. Repeating projects requires members to attempt new challenges every year.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

Nature Exploration Projects

611   Explore the Outdoors, Beginner (ages 8-10), cannot be repeated.
612   Geology, Beginner (ages 8-10)
613   Exploring Polar Science, Intermediate (ages 11-13)
617   Exploring Ponds, Advanced (ages 14+), cannot be repeated.
620   Why Trees Matter, Beginner (ages 8-10)

Wildlife Projects

621   Ohio Birds, All Ages
622   Trapping Muskrats, Intermediate (ages 11-13), cannot be repeated.

Insect Projects

641   Beekeeping, All Ages
      Additional Resources: https://ohio4h.org/beekeeping
644   Insect Adventures 1, Beginner (ages 8-10), cannot be repeated.
      Additional resources: https://ohio4h.org/insects
645   Insect Adventures 2, Intermediate (ages 11-13), cannot be repeated.
      Additional resources: https://ohio4h.org/insects
646   Insect Adventures 3, Advanced (ages 14+), cannot be repeated.
      Additional resources: https://ohio4h.org/insects

Fishing Projects

623   Outdoor Adventurer: Beginning Fishing, Beginner (ages 8-10), cannot be repeated.
624   Outdoor Adventurer: Intermediate Fishing, Intermediate (ages 11-13), cannot be repeated

Shooting Sports Projects

These projects do not require a certified instructor but do need a liability form if shooting with a club or during a 4-H shooting sports event.
State Fair judging of these projects will occur on Shooting Sports Day, not NR Day.

630   Safe Use of Guns, Beginner (ages 8-10), cannot be repeated.
631   Basic Archery, Beginner (ages 8-10), cannot be repeated.

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Natural Resources Requirement Sheet

Basic Shooting Sports, 630-631

1. Project Requirements
   a. Follow and complete project book.
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
   c. It is recommended to take Safe Use of Guns (#630) or Basic Archery (#631) **before** or alongside a shooting sports discipline specific project.
2. Required Participation
   a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
   c. Firearms are not required for these projects.
   d. Firearms, bows, arrows, or ammunition are NOT permitted at judging or to be used as part of the project exhibition.
   e. These projects do not require a certified instructor but do need a liability form if shooting with a club or during a 4-H shooting sports event.
   f. State Fair judging of these projects will occur on Shooting Sports Day, not Natural Resources Day.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Shooting Sports Projects

630   Safe Use of Guns, Beginner (ages 8-10), cannot be repeated.
631   Basic Archery, Beginner (ages 8-10), cannot be repeated.

GENERAL RULES

Natural Resources Requirement Sheet

Gardening and Vegetables, 670-692

1. Project Requirements
   a. Follow and complete project book. (Projects cannot overlap. Repeating projects requires members to attempt new challenges every year.)
   b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
2. Required Participation
   a. July 20: Project interview and judging will be scheduled between 9-10:00am in the Booth Building on SUNDAY of the fair.
   b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging. https://ohio4h.org/nonlivestockguidebook

Canning Projects

670   Canning and Freezing, Intermediate (ages 11-13), cannot be repeated.

Gardening Projects

671   How Does Your garden Grow?, All Ages, Beginner (ages 8-10)
Exhibition: Specimen - a cut annual flower or herb showing the main stem with foliage intact. Specimens must be displayed in a vase, glass or bottle containing water.
Specimen classes include: Zinnias (small & large variety), Marigolds (large – 1 stem disbudded) (small – 1 spray with 3 to 5 blooms and buds), Petunias (1 spray with 3 to 5 blooms and buds), Herbs (1 stem or spray), Snapdragons (large – 1 stem) (small – 1 spray), nonflowering specimens (1stem or spray) and All Other specimens (1 stem or spray). You can enter four of these classes with only 1 entry per class.

Vegetable Projects

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673   Edible Landscapes, Intermediate (ages 11-13), cannot be repeated.
      Bring your planting plan with visuals and three vegetables or herbs that you have grown.

691   Grow Your Own Vegetables, All Ages, Beginner (ages 8-10)
      For judging you need to exhibit <u>four</u> different kinds of vegetables attractively arranged on a 12"
      x 16" tray or another container. Three of your choices need to come from the list below. Make
      note that beside each vegetable is the number required to make each of your choices and any
      specifications. The fourth vegetable can be the exhibitor's choice.

692   Growing with the Seasons, All ages, Intermediate (ages 11-13)
      For judging, <u>five</u> different kinds of vegetables attractively arranged on a 12" x 16" tray or
      another container. Four of your choices need to come from the list below. Make note that
      beside each vegetable is the number required to make each of your choices and any
      specifications. The fourth and fifth vegetable can be the exhibitor's choice.

<u>Vegetable List</u> - Peas (5 pods), Green Beans (5 pods), Yellow Beans (5 pods), Purple Onions
(3, roots should be removed just below the base of the bulb, the jagged and dirty outer scales
show be removed, tops should be cut off ½ to 1 inch above bulb), Yellow Onions (3, roots
should be removed just below the base of the bulb, the jagged and dirty outer scales show be
removed, tops should be cut off ½ to 1 inch above bulb), White Onions (3, roots should be
removed just below the base of the bulb, the jagged and dirty outer scales show be removed,
tops should be cut off ½ to 1 inch above bulb), Beets (3, tops should be removed to 1 inch
above crown, tap root left on, minor roots removed), Carrots (3, tops should be trimmed to 1
inch above base, tap root left on), Cucumbers (3, 1/4 inch of stem should be left), Red
Tomatoes (3, exhibit with stem end down, stem and calyx removed), Yellow Tomatoes (3,
exhibit with stem end down, stem and calyx removed), Sweet Peppers (3, ½ inch of stem
should be left on), Hot Peppers (5, ½ inch of stem should be left on), White Potatoes (3), Red
Potatoes (3), Cabbage (1 head, other leaves to be removed except 2 to 4 wrapper leaves),
Cauliflower (1 head, leaves to be removed except about 6 or enough to protect the head,
these should be trimmed neatly about 1 inch above the curd), Broccoli (1 head, not less than 3
inches in diameter with part of the main stem attached, leaves should remain), Zucchini (1),
Squash (1), Sweet Corn (3 ears, husks removed)

Even if you cannot meet the minimum number per vegetable, you can still make it part of your
display.

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GENERAL RULES

Shooting Sports Requirement Sheet

Shooting Sports, 750-758

1. Project Requirements
    a. Follow and complete project book. All shooting sports disciplines can be repeated and taken at any age.
    b. Exhibition: Prepare an exhibit (i.e. poster, display) of something you've learned from the project.
    c. It is recommended to take Safe Use of Guns (#630) or Basic Archery (#631) **before** or alongside a shooting sports discipline specific project.
    d. Book <u>MUST</u> be signed by certified instructor in your discipline.
    e. Shooting sports journal: logs must be kept of all shooting/range time for the project. . Potential journal entries include: clothes you were wearing, area, weather, type of equipment used, number of shots, etc.
    f. Additional Resources: https://ohio4h.org/statewide-programs/ohio-4-h-shooting-sports
2. Required Participation
    a. July 9: Project interview and judging will be scheduled between 1:00-6:00 p.m. at the Ramser 4H activity Center.
    b. Bring completed book and exhibit to judging. Pay attention to additional instructions for each project, outlined below.
    c. Youth may use their own firearms, but the equipment must be inspected by the instructor prior to every use. Be sure to have owner's manual and maintenance records.
    d. Firearms, bows, arrows, or ammunition are NOT permitted at judging or to be used as part of the project exhibition.
    e. These projects **require** a certified instructor and need a <u>liability form</u> if shooting with a club or during a 4-H shooting sports event.
        i. Instructors should be contacted prior to **June1** to schedule range time. Range time will be scheduled at the instructor's discretion.
        ii. A minimum of three contact hours with an instructor are needed to complete the project.
    f. State Fair judging of 630-631 projects will occur on Shooting Sports Day, not Natural Resources Day.
3. State Fair Eligible: Please use this website to find information on state fair guidelines, and current date of judging.   https://ohio4h.org/nonlivestockguidebook

ALL PROJECTS MUST HAVE SIGNED WAVIER BEFORE INSTRUCTION BEGINS.

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Shooting Sports Projects

750 Rifle
751 Archery
752 Shotgun
753 Pistol
754 Hunting and Wildlife*
755 Muzzleloading
756 Living History*
757 Crossbow
758 Western Heritage*

*Projects 754, 756 and 758 may be taken without an instructor as long as no firearms are involved throughout the project.

ALL PROJECTS MUST HAVE SIGNED WAVIER BEFORE INSTRUCTION BEGINS.

First	Last	Phone	Archery	Pistol	Rifle	Shotgun
Dave	Butler	740-398-2987			X	
Craig	Campbell	740-504-8253	X			
Bernie	Douglas	740-507-7859	X			X
Larry	Hall	740-627-0493		X	X	
Konrad	Schiefer	740-501-8313			X	
Mike	Schirtzinger	740-501-8190			x	
Kris	Weiser	740-462-2325	X			

Safe Use of Guns (630) and Basic Archery (631) projects are included under Natural Resources heading but are judged under Shooting Sports.