

2026 Project Completion and Fair Requirements

11/19/2025

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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About 4-H

91 <i>Discovering 4-H</i>	B	All activities in 9 interest areas Project summary	Attend General Project Judging. Bring completed project book and written summary of what you learned. Bring poster or display on topic from book.	No state fair event
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Animal Sciences

Animal Reproduction				
101 <i>How the Herd Multiplies</i>	I, A	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book and written summary of what you learned. Bring poster or display on topic from book.	Veterinary Science Day ohio4h.org/nonlivestockguidebook

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Beef				
117 <i>Beef Project and Record Book</i> (for beef breeding, beef feeder, dairy beef feeder, and market beef projects)	X	Project animal by required date Project goals and objectives Member Project Guide, Quality Assurance, and Animal Records sections At least 1 topic of interest At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities. Club or county level project review County project judging (may be optional)	Attend Animal Project Judging and participate in Beef Skillathon. Bring completed project book(s), feed, medical documents and any other project records.	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu
Companion Animals and Rabbits				
200 <i>All About Dogs</i>	B	All 8 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book and any other project records. Bring a poster or folding display on a topic learned.	Companion Animal Day ohio4h.org/nonlivestockguidebook

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201 <i>Dog Project and Record Book</i> (for pet, obedience, showmanship, performance, and working dog projects)	X	Project animal by required date Project goals Member Project Guide, Dog Care and Welfare, and Animal Records sections Club or county level project review County project judging (may be optional)	See Project #200	See Livestock under the Get Involved tab at ohiostatefair.com See also ohio4h.org/animalsciences/dog/
202 <i>Dog Achievement Program</i>	X	To earn a certificate, choose 3 topic areas within one category and complete all 5 activities with each selected topic area, for a total of 15 activities. For more details, see project book or ohio4h.org/DAP .	See Project #200	No state fair event
210 <i>Assistance Animals in Action</i>	I	All 8 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See Project #200	Companion Animal Day ohio4h.org/nonlivestockguidebook
215 <i>Cavy Project and Record Book</i>	X	Project animal by required date Project goals and objectives Member Project Guide, animal care and welfare activities, and animal records At least 5 of the learning activities At least 2 learning experiences At least 2 leadership/citizenship activities County project judging (may be optional)	Attend Animal Project Judging. Bring completed project book and any other project records.	Companion Animal Day ohio4h.org/nonlivestockguidebook
216 <i>Purr-fect Pals, Level 1</i>	B	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	Attend Animal Project Judging. Bring completed project book and any other project records.	Companion Animal Day ohio4h.org/nonlivestockguidebook
217 <i>Climbing Up! Level 2</i>	I	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	See Project #216	Companion Animal Day ohio4h.org/nonlivestockguidebook

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218 <i>Leaping Forward, Level 3</i>	A	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	See Project #216	Companion Animal Day ohio4h.org/nonlivestockguidebook
220 <i>Pocket Pets Project and Record Book</i>	X	Project animal by required date Project goals and objectives Member Project Guide, animal care and welfare activities, and animal records At least 5 of the learning activities At least 2 learning experiences At least 2 leadership/citizenship activities County project judging (may be optional)	Attend General Project Judging. Bring completed project book and any other project records. Bring a poster or folding display on a topic learned.	Companion Animal Day ohio4h.org/nonlivestockguidebook
228 <i>Rabbit Project and Record Book</i> (for breeding, market, and pet projects)	X	Project animal by required date At least 5 learning activities At least 2 learning experiences At least 1 topic of interest At least 2 leadership/citizenship activities Animal Records and Quality Assurance sections Club or county level project review County project judging (may be optional)	Attend Animal Project Judging and complete Rabbit Skillathon. Bring completed project book, feed, medical and any other project records.	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu
230 <i>4-H PetPALS Project and Record Book</i>	X	Project animal by required date Project Goals and Objectives At least 2 project experiences Other animal project records County project judging (may be optional) Must be enrolled in a PetPALS program under the direction of a master 4-H PetPALS leader	Attend General Project Judging. Bring completed project book and any other project records. Bring a poster or folding display on a topic learned.	See Livestock under the Get Involved tab at ohiostatefair.com See also ohio4h.org/animalsciences/dog/

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Dairy Cattle				
127 <i>Dairy Cattle Project and Record Book</i> (for dairy calf, dairy heifer, and dairy cow)	X	Project animal by required date Project Guide, Animal Records, Financial Records, and Quality Assurance sections Club or county level project review County project judging (may be optional)	Attend Animal Project Judging and complete Dairy Skillathon. Bring completed project book, feed, medical and any other project records.	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu
Goats				
135 <i>Goat Project and Record Book</i> (for breeding dairy; breeding meat; fiber; harness; market dairy, meat, or cross; pack, pygmy, and companion/pet goat projects)	X	Project animal by required date Project goals and objectives Member Project Guide, Quality Assurance, and Animal Records sections Club or county level project review County project judging (may be optional)	Attend Animal Project Judging and complete Goat Skillathon. Bring completed project book, feed, medical and any other project records.	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu
Horses				
173 <i>Horseless Horse</i>	B	Planning Your Project section At least 4 interest areas All recommended activities in your selected interest areas At least 2 organized activities At least 2 leadership/citizenship activities One-page report	Can complete 4-Station Judging/Animal Judging - OR- attend General Project Judging. Bring completed project book and a poster or display of some aspect of the project you have learned.	No state fair event

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174 <i>Beginning Horse Management</i>	B	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All interest areas At least 2 Things to Do in each interest area At least 2 leadership/citizenship activities Project record One-page report	Horse Safety Program for first-time program participants Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu
175 <i>Light Horse Selection</i>	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All interest areas At least 2 Things to Do in each interest area At least 2 learning experiences At least 2 leadership/citizenship activities Questions on pages 55-57 Complete the judging description of your horse Completed 190R <i>Equine Record Book</i> One-page report	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu
177 <i>Horse Training: How to Talk to Your Horse</i>	I	Project horse required by deadline Appropriate helmet and other equipment Completed 190R <i>Equine Record Book</i>	EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu

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180 <i>Learning to Jump</i>	I	Project horse required by deadline Appropriate helmet and other equipment All 3 project areas At least 5 activities in each interest area At least 2 learning experiences At least 2 leadership/citizenship activities One-page summary Complete 190R <i>Equine Record Book</i>	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu
181 <i>Draft Horses</i>	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section Interest areas 1-5 and 7 (new members) Interest areas 2-7 (returning members) Things to Do in each interest area At least 2 learning opportunities At least 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu

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182 <i>Small Equine</i>	I	Project horse required by deadline Appropriate helmet and other equipment Project Areas 1-7, each with at least one project activity At least 2 learning experiences At least 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu
184 <i>Standardbred Horse</i>	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section Explore all interest areas At least 2 Things to Do At least 2 project learning experiences and 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu

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186 Gymkhana	I	Project horse required by deadline Appropriate helmet and other equipment Project Areas 1-3 At least 2 learning experiences At least 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu
187 Roping	X	Project horse required by deadline Appropriate helmet and other equipment First year: complete activities 1-4 Year 2 and beyond: Complete activities 1-4, plus 2 additional activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu

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188 <i>Trail Riding</i>	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All interest areas At least 2 Things to Do in each interest area At least 2 project learning experiences and 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page summary	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu
189 <i>Dressage</i>	I	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section New members explore interest areas 1-4 and first-year Completion of project activities Repeating members complete Completion of Project activities All of the Things to Do At least 2 project learning experiences and 2 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> One-page report	Attend Animal Project Judging Day to complete 4-Station Judging- Session 1. Bring completed project book for review. Complete 4-Station Judging-Session 2 at Fair. EquiStep program for all horse program participants	Must participate in a dressage competition and meet scoring requirements Must follow <i>Uniform Rules for 4-H Horse Shows</i> See Livestock under the Get Involved tab at ohiostatefair.com See also horse.osu.edu

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Llamas and Alpacas				
132 <i>Llama and Alpaca Project and Record Book</i>	X	Project animal by required date Project Goals and Objectives Member Project Guide, Animal Care and Welfare, and Animal Records sections Club or county level project review County project judging (may be optional)	Trumbull County does not currently have a llama or alpaca club. Llama/Alpaca projects would attend Animal Project Judging. Bring completed project book and any associated feed or health records.	See Livestock under the Get Involved tab at ohiostatefair.com .
Poultry				
150 <i>Poultry Project and Record Book</i> (for exhibition and market chicken, duck, goose, turkey; chicken, egg production: hens and pullet; and helmeted guinea fowl projects)	X	Project animal by required date Project goals and objectives Member Project Guide, Quality Assurance, and Animal Records sections Club or county level project review County project judging (may be optional)	Attend Animal Project judging and complete Poultry Skillathon. Bring completed project book, feed, medical and any other project records.	Attend Animal Project judging and complete Poultry Skillathon. Bring completed project book, feed, medical and any other project records.
Sheep				
198 <i>Market Lamb Project and Record Book</i>	X	Project animal by required date All activities Club or county level project review County project judging (may be optional)	Attend Animal Project judging and complete Sheep Skillathon. Bring completed project book, feed, medical and any other project records.	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu

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199 <i>Sheep Breeding Project and Record Book</i>	X	Project animal by required date At least 1 topic of interest At least 5 activities At least 2 learning experiences At least 2 leadership/citizenship activities Quality Assurance and Animal Records sections Club or county level project review County project judging (optional)	See Project #198	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu
Swine				
140 <i>Swine Project and Record Book</i>	X	Project animal by required date At least 1 topic of interest At least 5 activities At least 2 learning experiences At least 2 leadership/citizenship activities Quality Assurance and Animal Records sections Club or county level project review County project judging (optional)	Attend Animal Project judging and complete Poultry Skillathon. Bring completed project book, feed, medical and any other project records.	See Livestock under the Get Involved tab at ohiostatefair.com See also 4hansci.osu.edu
Veterinary Science				
244 <i>From Airedales to Zebras, Level 1</i>	B	Set goals and record project highlights At least seven activities each year At least 21 of the activities in three years Complete the “Whaddya Know?” survey before and after activities Project evaluation <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring completed project book. Bring an exhibit following all guidelines set by the project book.	Veterinary Science Day ohio4h.org/nonlivestockguidebook

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245 <i>All Systems Go! Level 2</i>	I	Set goals and record project highlights At least seven activities each year At least 21 of the activities in three years Complete the “Whaddya Know?” survey before and after activities Project evaluation <i>(Use the same book 1-3 years.)</i>	See Project #244	Veterinary Science Day ohio4h.org/nonlivestockguidebook
246 <i>On the Cutting Edge, Level 3</i>	A	Set goals and record project highlights At least seven activities each year At least 21 of the activities in three years Complete the “Whaddya Know?” survey before and after activities Project evaluation <i>(Use the same book 1-3 years.)</i>	See Project #244	Veterinary Science Day ohio4h.org/nonlivestockguidebook

Career Exploration

382 <i>Am I Ready for Work?</i>	I	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring completed project book. Bring an exhibit following all guidelines set by the project book.	Workforce Preparation Day ohio4h.org/nonlivestockguidebook
386 <i>You're Hired!</i>	A	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring an exhibit following all guidelines set by the project book.	Workforce Preparation Day ohio4h.org/nonlivestockguidebook

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387 <i>Here, There, Ag Careers Are Everywhere!</i>	A	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring an exhibit following all guidelines set by the project book.	Workforce Preparation Day ohio4h.org/nonlivestockguidebook

Clothing and Textile Science

407 <i>Accessories for Teens</i>	B, ages 13+	All 4 interest areas At least 1 additional 4-H activity At least 1 leadership/citizenship experience Wardrobe evaluation and accessories to complement at least 1 outfit At least 1 accessory: bag/purse, belt/cummerbund, footwear/shoe covers, hat, gloves, jewelry, removable collar/dickey/jabot, scarf/tie, muffler/shawl, socks/hosiery, or suspenders to complete the appearance of an outfit Project record and evaluation	Attend Clothing Project Judging. Complete project guidelines. Make at least one accessory (bag/purse, belt, cummerbund, footwear/shoe covers, hat, gloves, jewelry, removable collar/dickey/jabot, scarf/tie, muffler/shawl, socks/hosiery, or suspenders) to achieve a more complete appearance in an outfit. Wear complete outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
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409 <i>Sew Fun!</i>	B	All 5 project areas At least 2 learning experiences At least 2 leadership/citizenship activities A pin cushion and fully elastic-waisted skirt, shorts, pants, or capris Project review	Attend Clothing Project Judging. Complete project guidelines. Create a pin cushion and one item of clothing which must be fully elastic-waisted skirt, shorts, pants or capris. It does not have to be encased elastic waistband. Wide elastic bands are acceptable. Wear completed item and pair with other garments to complete look.	Clothing Days ohio4h.org/nonlivestockguidebook
410 <i>Designed by Me</i>	B	All 8 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Decorate (or embellish) a T-shirt, sweatshirt, button-down shirt, or simple jacket Project review Project record (if any materials purchased)	Attend Clothing Project Judging. Complete project guidelines. Decorate a sweatshirt, t-shirt, button down, or simple jacket by sewing or fusing on a decorative patch. Wear decorated item as part of a complete outfit.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
413 <i>Sundresses and Jumpers</i>	B	All 5 project areas At least 2 learning experiences At least 2 leadership/citizenship activities A sundress or jumper Project review	Attend Clothing Project Judging. Complete project guidelines. Make a sundress or jumper, select a top to wear with it (if needed) and choose other items to complete the outfit. (Note: pantsuits, jumpsuits, “skorts” and “split skirt jumpers” require fitting skills that are beyond this level and should NOT be made in this project.	Clothing Days ohio4h.org/nonlivestockguidebook
419 <i>Terrific Tops</i>	B	All 8 activities, including Talking It over questions At least 2 learning experiences At least 2 leadership/citizenship activities A top that is part of a complete outfit Project review	Attend Clothing Project Judging. Complete project guidelines. Select a pattern and make a top (a shirt, blouse, vest, tank top, poncho, sweater, or t-shirt). Collect and organize sewing, knitting, crochet, or other needed equipment. Select from the wardrobe or buy garment(s) and accessories to wear with the top to form a “total look” outfit.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
411 <i>em•bel•lish:</i> <i>A 4-H Guide to Wearable Art</i>	I	All 10 activities and 3 journal pages At least one embellished garment At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend Project Clothing Judging. Complete project guidelines. Complete project book. Bring embellished garment(s) and completed outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
412 <i>Sew for Others</i>	I	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Construct one complete outfit for the person of your choice OR adapt three different garments for someone with a disability	Attend Clothing Project Judging. Complete project guidelines. Construct one complete outfit for the person of your choice or adapt three different garments for a disabled or handicapped person. This person must be present to wear the garment at the project judging & fashion review.	Clothing Days ohio4h.org/nonlivestockguidebook
415 <i>Ready, Set, Sew Active!</i>	I	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities At least one garment that is part of an active sportswear outfit Project summary and project review	Attend Clothing Project Judging. Complete project guidelines. Make at least one garment in an outfit assembled for active sportswear.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
418 <i>Loungewear</i>	X	All 11 activities At least 2 learning experiences At least 2 leadership/citizenship activities A loungewear outfit to wear over garments you make or buy Project record, summary, and review	Attend Clothing Project Judging. Complete project guidelines. Make a loungewear garment, either an outer layer or cover up. You may make or purchase garments to wear underneath to coordinate your “total look” outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
424 <i>Clothing for Middle School</i>	I, ages 10-14	All 5 interest areas At least 1 garment with sleeves or a skirt or pants plus a top such as a vest, collarless jacket, sweater, blouse, or other top, with or without sleeves At least 1 additional organized activity, 1 leadership/citizenship activity and 1 career experience. Project evaluation and project summary	Attend Clothing Project Judging. Complete project guidelines. 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 at school.	Clothing Days ohio4h.org/nonlivestockguidebook
430 <i>Shopping Savvy</i>	I	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities An outfit, including accessories Project review	Attend Clothing Project Judging. Complete project guidelines. Create a total look outfit including accessories. No clothing construction is needed.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
406 <i>Clothes for High School and College</i>	A	All 5 major areas At least 2 additional organized activities At least 2 leadership/citizenship activities A wardrobe inventory At least 1 outfit with a minimum of 2 pieces or a 1-piece garment with sleeves, plus some other style detail not tried before Repair at least 3 items from your wardrobe Project summary	All 5 major areas At least 2 additional organized activities At least 2 leadership/citizenship activities A wardrobe inventory At least 1 outfit with a minimum of 2 pieces or a 1-piece garment with sleeves, plus some other style detail not tried before Repair at least 3 items from your wardrobe Project summary	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
408 <i>Creative Costumes</i>	A	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A costume from one of these categories: historical, ethnic/cultural, theatrical, or special interest Project record and evaluation summary	Attend Clothing Project Judging. Complete project guidelines. Members will choose to make the costume in one of the four categories. Member must construct the costume for him/herself. This is not to be confused with Sewing for Others. The project can be repeated if a different category is selected. Evaluation will include authenticity or adoption and knowledge of costume history or background related to the specific costume chosen.	Clothing Days ohio4h.org/nonlivestockguidebook
417 <i>Dress-Up Outfit</i>	A	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A dress-up garment with two or more new experiences (zipper, sleeves, new trim or fabric) and coordinate/incorporate/integrate into your total look Project evaluation and project review	Attend Clothing Project Judging. Complete project guidelines. Make at least one dress up outfit; includes outfits for special occasions such as weddings, church or other dress-up occasions, not requiring a formal (generally a short length dress or suit).	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
420 <i>Outerwear for Anywhere</i>	A	All 4 projects areas and activities At least 2 learning experiences At least 2 leadership/citizenship activities An advanced-level outer garment, such as a coat, jacket, raincoat, cape, or other similar outer garment, and add other clothing accessories for a total look. Project summary and project review	Attend Clothing Project Judging. Complete project guidelines. Make a coat, jacket, or cap and assemble “total look” outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
425 <i>Look Great for Less</i>	A, ages 15-18	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity An inexpensive outfit Project record, summary, and evaluation	Attend Clothing Project Judging. Complete project guidelines. Purchase or put together a “total look” outfit, spending the least amount of money possible. This project does NOT involve sewing or clothing construction skills. Wear completed outfit.	Clothing Days ohio4h.org/nonlivestockguidebook
426 <i>Clothing for Your Career</i>	A	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity An outfit with at least 2 pieces appropriate for a job, volunteer, work, or an interview (suit, uniform, or work outfit) At least 2 alterations A brief description of an interesting job. Job site visit or interview a professional, or both Project record and evaluation	Attend Clothing Project Judging. Complete project guidelines. Assemble an outfit with a minimum of two pieces appropriate for work or a job interview.	Clothing Days ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
432M <i>Sewing and Textiles (non-Clothing) Master</i>	A	At least one non-clothing fabric item At least 2 learning experiences At least 2 leadership/citizenship activities Project records including interview, budget, and photos Judging activity	Attend Clothing Project Judging. Complete project guidelines. Bring pattern and constructed item(s).	No state fair event

Communication

377 <i>Finding Your Voice: Public Speaking Made Easy</i>	B	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Complete project book and attend project judging. Bring completed book and an educational display of some aspect from the book.	Leadership Day ohio4h.org/nonlivestockguidebook
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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Creative and Leisure Arts

Cake Decorating				
492 <i>Cake Decorating Project and Record book</i>	X	At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities Record of decorating skills and techniques Project and cake records Project summary and review	Attend General Project Judging. Bring completed project book to judging. Beginners should bring a single-layer cake, intermediates should bring a 1-2 layer cake and advanced should bring a stacked or tiered cake. For displays, a foam display may be used.	Creative Arts Day ohio4h.org/nonlivestockguidebook
Collecting				
496 <i>My Favorite Things</i>	B	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book to judging. Bring a poster OR display showing something you have learned from this project.	Creative Arts Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Fine Arts				
498 <i>Quilting the Best Better</i>	I	All 8 activities and all Quilting Quotes questions At least 2 learning experiences At least 2 leadership/citizenship activities Quilt blocks, a pillow to be donated, and a lap quilt (minimum 30" x 30" and maximum 54" x 72") Project review	Attend Clothing Project Judging. This intermediate project should be a follow-up to 499 You Can Quilt! Complete project guidelines as shown in column to the left. Bring constructed items, completed book and any materials used in the construction of your project to judging.	Quilt Day ohio4h.org/nonlivestockguidebook
499 <i>You Can Quilt!</i>	I	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Construct a Rail Fence or Four Patch mini-quilt Project summary and project review	Attend Clothing Project Judging. Complete project guidelines. Choose from two patterns to make a mini-quilt between 24" and 48." Bring pattern or template and constructed item and completed book to judging. Attend Clothing Project Judging.	Quilt Day ohio4h.org/nonlivestockguidebook
592 <i>Get Started in Art</i>	X	All 11 activities At least 2 learning experiences At least 2 leadership/citizenship activities A final project Project summary and project review	Attend General Project Judging. Bring completed book and two (2) art projects and any other records of your activities to judging.	Creative Arts Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
593 <i>Seeing Through Graphic Design</i>	I	All 9 activities, including a portfolio, and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book and portfolio of projects.	Creative Arts Day ohio4h.org/nonlivestockguidebook
594 <i>Knitting It Together</i>	X	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review		Creative Arts Day ohio4h.org/nonlivestockguidebook
Genealogy				
442 <i>Family History Treasure Hunt</i>	X	All 4 steps in What to Do, depending on number of years project is taken At least 1 other learning experience At least 1 leadership/citizenship activity Project review and records <i>(Use the same book 1-6 years.)</i>	Attend General Project Judging. Bring completed project book, correspondence log, your research journal, pedigree charts, family group sheets with documentation of your research as outlined on pages (1 st year requirements, pg. 4), (2 nd year requirements pg. 5), (3 rd year requirements pg. 6) of project book.	Family Life Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Photography				
584 <i>Photography Basics, Book 1</i>	B	At least 2 activities in each of 4 project areas and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring completed book. Bring one of the following three items to exhibit: 1) a single print mounted at the discretion of the exhibitor; OR 2) a collection of prints illustrating a Photo Story," consisting of a least five (5) and not more than ten (10) photos mounted at the discretion of the exhibitor; OR 3) a collection of prints illustrating one of the "activities" the exhibitor completed for the project, consisting of at least five (5) and not more than ten (10) photos mounted at the discretion of the exhibitor. Each participant may also bring any extra materials they feel might be of interest to the judge (not required) Developing and printing may not be done by the exhibitor.	Photography Day ohio4h.org/nonlivestockguidebook

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<p>585 <i>Next Level Photography, Book 2</i></p>	<p>I</p>	<p>At least 2 activities in each of 4 project areas and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook <i>(Use the same book 1-3 years.)</i></p>	<p>Attend General Project Judging. Bring completed project book. Bring one of the following four items for exhibit: 1) a single print mounted at the discretion of the exhibitor (includes exhibiting a Photo Statuette” or a “Panorama” picture); OR 2) a single print illustrating an “enlargement,” which shall consist of an enlargement print, accompanied by the original print, mounted at the discretion of the exhibitor; OR 3) a collection of prints illustrating one of the “activities” the exhibitor completed for the project, consisting of at least five (5) and not more than ten (10) photos mounted at the discretion of the exhibitor; OR 4) 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. Each participant may also bring any extra materials that might demonstrate their</p>	<p>Photography Day ohio4h.org/nonlivestockguidebook</p>
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
			learning experiences of the current project year (not required) Developing and printing may be done by the exhibitor but not required.	

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<p>586 <i>Mastering Photography, Book 3</i></p>	<p>A</p>	<p>At least 2 activities in each of 4 project areas and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook <i>(Use the same book 1-3 years.)</i></p>	<p>Attend General Project Judging. Bring completed project book. Bring one of the following four items for exhibit: 1) one print mounted at the discretion of the exhibitor; OR 2) a single print illustrating an “Enlargement,” which shall consist of an enlargement print mounted at the discretion of the exhibitor and be accompanied by the original print; OR 3) a collection of prints illustrating one of the “Adventures” the exhibitor completed, consisting of at least five (5) and no more than ten (10) pictures mounted at the discretion of the exhibitor; OR 4) a single original print illustrating a “News Story,” which shall be an original photo mounted at the discretion of the exhibitor and be accompanied by the published article. Each participant may also bring any extra materials they feel might be of interest to the judge (not required) Developing and printing may be done by the</p>	<p>Photography Day ohio4h.org/nonlivestockguidebook</p>
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
			exhibitor but is not required	
589M <i>Photography Master</i>	A	One major photography project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and portfolio Judging activity	Attend General Project Judging. Bring your completed project book and records including interview, budget, & photos. Bring your completed photography project.	Photography Day ohio4h.org/nonlivestockguidebook
Scrapbooking				
497 <i>Scrapbooking: A 4-H Guide to Preserving Memories</i>	B	All 3 project areas (the last activity is optional) At least 2 learning experiences At least 2 leadership/citizenship activities A scrapbook Project review	Attend General Project Judging. Complete a scrapbook with a theme of your choice for judging and display at Fair. Bring your completed project book including the completion of seven (7) activities, two (2) Learning Experiences and two (2) Leadership/Citizenship activities.	Creative Arts Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Writing				
588 <i>The Writer in You</i>	I	All 11 activities (including a writing portfolio) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring completed project book. Project Item(s): Create a portfolio of all assignments/activities to be submitted prior to project judging for a judge to review. Original Work: Writings must have been done for the current creative writing project (587 or 588). Members may not enter writing pieces from previous 4-H project years. In addition, members may not submit writings they have used for non-4-H writing competitions or school class work.	Creative Arts Day ohio4h.org/nonlivestockguidebook

Food and Nutrition

459 <i>Let's Start Cooking</i>	B	All 8 activities, including 6 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
481 <i>Everyday Food and Fitness</i>	B	All 7 activities, including 5 recipes and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
484 <i>Snack Attack!</i>	B	All 7 activities, including 7 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
487 <i>Take a Break for Breakfast</i>	B	All 5 activities, including at least 5 recipes At least 2 learning experiences and 2 leadership/citizenship/career activities Project review	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
461 <i>Let's Bake Quick Breads</i>	I	All 8 activities, including 7 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring three muffins, three biscuits or one example of a specialty bread.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
463 <i>Sports Nutrition: Ready, Set, Go</i>	I	All 5 activities, including 5 recipes and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
472 <i>Grill Master</i>	I	All 6 activities, including at least 5 recipes and the Notes for Next Time At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring sample of one food item you have made and list of equipment used to prepare, serve and clean up an outdoor meal.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
475 <i>Star Spangled Foods</i>	I	All 7 recipe sections, including 11 recipes At least 3 learning experiences At least 3 leadership/citizenship activities	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
477 <i>Party Planner: A 4-H Guide to Quantity Cooking</i>	I	All 8 activities, including 8 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring sample of one food you have prepared.	F Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
485 <i>Racing the Clock to Awesome Meals</i>	I	All 7 activities, including 1 recipe and the Notes for Next Time for each activity At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring sample of one food you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
462 <i>Yeast Breads on the Rise</i>	A	All 5 interest areas, including at least 6 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project record and summary <i>(Use the same book 1-2 years.)</i>	Attend General Project Judging. Bring one loaf of white or whole wheat bread and one sample of a batter bread, casserole bread, or bagel.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
467 <i>Cooking on My Own</i>	A	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring samples of two food items you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
469 <i>Global Gourmet</i>	A	All 7 activities, including preparation of meals and Notes for Next Time At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring two menus from any two countries in the book and sample of one food item from one of the countries.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
474 <i>Beyond the Grill</i>	A	All 6 activities, including 9 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring sample of two foods you have prepared, and a list of equipment used to prepare, serve and clean up an outdoor meal.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook
476 <i>Kitchen Boss</i>	A	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship/career activities Project review	Attend General Project Judging. Bring samples of two food items you have prepared.	Food and Nutrition Days: Completed Portfolio ohio4h.org/nonlivestockguidebook

Healthy Living

300 <i>You're the Athlete</i>	I	At least 1 (of 7) section (Play Book, Practice Field, and Big Event) Either 2 other Play Book and at least 2 Practice Field activities OR 1 other section ((Play Book, Practice Field, and Big Event) At least 2 special learning experiences At least 2 leadership/citizenship/career applications "My Season highlights" (project summary)	Attend General Project Judging. Bring your completed project book. Bring a tabletop exhibit illustrating highlights of your project experiences and accomplishments.	Health Day ohio4h.org/nonlivestockguidebook
353 <i>First Aid in Action</i>	B	All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster OR folding display about something you learned from these projects.	Health Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
354 <i>Medicine Science and Safety</i>	B	All 5 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster OR folding display about something you learned from these projects.	Health Day ohio4h.org/nonlivestockguidebook
355 <i>Tracking Your Health and Fitness</i>	I	All 10 activities, all Talking It Over questions, and a health and fitness log At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster OR folding display about something you learned from these projects.	Health Day ohio4h.org/nonlivestockguidebook
356 <i>Relationships 101</i>	I	All 10 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster OR folding display about something you learned from these projects.	Health Day ohio4h.org/nonlivestockguidebook
357 <i>Alcohol and Drug Abuse</i>	A	All 12 activities At least 2 learning experiences All least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster OR folding display about something you learned from these projects.	Health Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
359 <i>Your Thoughts Matter</i>	A	All 10 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster OR folding display about something you learned from these projects.	Health Day ohio4h.org/nonlivestockguidebook
360 <i>Your Feelings Matter</i>	B	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster or folding display about something you learned about these project activities.	Health Day ohio4h.org/nonlivestockguidebook
434 <i>Superhero You</i>	B	All 5 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster or folding display about something you learned about these project activities.	Health Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
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Home Living

405 <i>The Laundry Project</i>	B	All 11 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring completed project book. Pick one activity from book and bring display or poster. Be prepared to share with the judge the knowledge, skills or understanding you gained through this project.	Home Decorating Day ohio4h.org/nonlivestockguidebook
491 <i>It's My Home</i>	B	All 9 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Pick one activity from book and bring display or poster. Be prepared to share with the judge the knowledge, skills or understanding you gained through this project.	Home Decorating Day ohio4h.org/nonlivestockguidebook
494 <i>Makeover My Space</i>	I	All 10 activities and 4 Talking It Over pages At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Pick one activity from book and bring display or poster. Be prepared to share with the judge the knowledge, skills or understanding you gained through this project.	Home Decorating Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
495 <i>Living on Your Own</i>	A	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Pick one activity from book and bring display or poster. Be prepared to share with the judge the knowledge, skills or understanding you gained through this project	Home Decorating Day ohio4h.org/nonlivestockguidebook

Leadership and Citizenship

92 <i>4-H Around the Globe</i>	I	All 7 activities and Talking It Over questions At least two learning experiences At least two leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Pick one activity from book and bring display or poster. Be prepared to share with the judge the knowledge, skills or understanding you gained through this project	Family Life Day ohio4h.org/nonlivestockguidebook
370 <i>Mentoring: Leadership in Action</i>	A	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Pick one activity from book and bring display or poster. Be prepared to share with the judge the knowledge, skills or understanding you gained through this project	Leadership Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
371 <i>Club Leadership 1</i>	I	All 10 activities 3 individualized goals At least 2 learning experiences At least 2 citizenship activities Project review	Attend General Project Judging. Bring completed project book and evidence of completed activities. Share your accomplishments through a poster, exhibit, demonstration of activities and/or other visuals.	Leadership Day ohio4h.org/nonlivestockguidebook
383 <i>Club Leadership 2</i>	A	All 11 activities and Talking It Over questions At least 3 individual goals or additional activities At least 2 learning experiences At least 2 citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book and evidence of completed activities. Share your accomplishments through a poster, exhibit, demonstration of activities and/or other visuals.	Leadership Day ohio4h.org/nonlivestockguidebook
373 <i>My Hands to Larger Service: Teen Leaders Building Our Communities</i>	A	All 9 activities At least 2 learning experiences At least two leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book and evidence of completed activities. Share your accomplishments through a poster, exhibit, demonstration of activities and/or other visuals.	Leadership Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
375 <i>Leadership Road Trip: Where Are You Going?</i>	I	All 13 activities and Rest Stop questions At least 2 learning experiences At least 2 citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book and evidence of completed activities. Share your accomplishments through a poster, exhibit, demonstration of activities and/or other visuals.	Leadership Day ohio4h.org/nonlivestockguidebook
376 <i>Pantry Panic!</i>	A	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Create and bring an educational display on a selected topic from the project.	Leadership Day ohio4h.org/nonlivestockguidebook
378M <i>Leadership Master</i>	A	One major leadership experience At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Attend General Project Judging. Bring completed project book and evidence of completed activities. Share your accomplishments through a poster, exhibit, demonstration of activities and/or other visuals.	Leadership Day ohio4h.org/nonlivestockguidebook
385 <i>Local Government: Answer the Call</i>	A	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book and evidence of completed activities. Share your accomplishments through a poster, exhibit, demonstration of activities and/or other visuals.	Leadership Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
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Money Management

445 <i>Exploring Personal Finance</i>	B	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring your completed project book. Prepare a spending journal for one month and bring it to judging.	Family Life Day ohio4h.org/nonlivestockguidebook
446 <i>Empowering Personal Finance</i>	I	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring your completed project book. Prepare a spending journal for one month and bring it to judging.	Family Life Day ohio4h.org/nonlivestockguidebook

Natural Resources

Agronomy

668 <i>Field Crops and Forages</i>	B	All 9 activities At least 2 organized activities At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster or folding display representing a 4-H learning experience from the project of activity you have done.	Natural Resources Day ohio4h.org/nonlivestockguidebook
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* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Gardening and Plant Science				
670 <i>Canning and Freezing</i>	I	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster or display representing a 4-H learning experience from the project of activity you have done.	Natural Resources Day ohio4h.org/nonlivestockguidebook
671 <i>How Does Your Garden Grow?</i>	B	4 activities, plus activity 4a, 4b, or both At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster or display representing a 4-H learning experience from the project of activity you have done.	Natural Resources Day ohio4h.org/nonlivestockguidebook
673 <i>Edible Landscapes</i>	I	All 9 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster or display representing a 4-H learning experience from the project of activity you have done.	Natural Resources Day ohio4h.org/nonlivestockguidebook
691 <i>Grow Your Own Vegetables</i>	B	All 11 activities (including growing vegetables) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Completed project book and a poster of seeds planted in your garden and chart showing the layout of your garden.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
692 <i>Growing with the Seasons</i>	I	All 9 activities (including growing vegetables) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Completed project book and a poster showing a chart layout of your garden, costs, seeds planted, and an estimate of your produce harvested.	Natural Resources Day ohio4h.org/nonlivestockguidebook
The Natural World				
611 <i>Explore the Outdoors</i>	B	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you have learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook
612 <i>Geology: Can You Dig It?</i>	B	All 8 activities (including a collection display) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you have learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook
613 <i>Exploring Polar Science</i>	I	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you have learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
616 <i>Water Matters</i>	B	All 8 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you have learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook
617 <i>Exploring Ponds</i>	A	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you have learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook
620 <i>Why Trees Matter</i>	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you have learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook
621 <i>Ohio Birds</i>	X	All 5 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities Observe and record at least 20 different bird species One-page summary <i>(Use the same book 1-2 years.)</i>	Attend General Project Judging. Bring completed project book. Bring a poster or exhibit showing something you learned from this project and a bird feeder. Note: any bird feathers, except legal game species and ALL bird nests are protected under state and federal laws and are not permitted to be collected, possessed or made a part of any display.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
622 <i>Trapping Muskrats in Ohio</i>	I	All 7 activities At least 3 learning experiences At least 3 leadership/citizenship activities 2 of 3 projects for first year; 2 of 3 projects for second year A poster board <i>(Use the same book 1-2 years.)</i>	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook
623 <i>Outdoor Adventurer: Beginning Fishing</i>	B	All 8 activities, including Talking It Over questions and the Fishing Log At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook
624 <i>Outdoor Adventurer: Intermediate Fishing</i>	I	All 11 activities, including Talking It Over questions and the Fishing Log At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook
641 <i>Beekeeping Project and Record Book</i>	X	Set at least 3 project goals and objectives At least 5 learning activities At least 2 learning experiences At least 2 leadership/citizenship activities Colony Care and Management section Beekeeping Record	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
644 <i>Insect Adventures 1</i>	B	All 7 activities, including an insect collection (30 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook
645 <i>Insect Adventures 2</i>	I	All 8 activities, including an insect collection (40 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook
646 <i>Insect Adventures 3</i>	A	All 7 activities, including an insect collection (50 specimens) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. Bring educational display on a topic from the project experience.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Shooting Sports				
630 <i>Safe Use of Guns</i>	B	All 11 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging, unless you are a member of the Shooting Sports Pioneers' club- You can attend Shooting Sports Project Judging on the 2 nd Friday of June*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook
631 <i>Basic Archery</i>	B	All 6 interest areas At least 2 organized activities At least 2 leadership/citizenship activities Project review	Attend General Project Judging, unless you are a member of the Shooting Sports Pioneers' club- You can attend Shooting Sports Project Judging on the 2 nd Friday of June*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
750 <i>Rifle Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified rifle instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook
751 <i>Archery Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified archery instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms, bows or arrows are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
752 <i>Shotgun Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified shotgun instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook
753 <i>Pistol Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified pistol instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
754 <i>Hunting and Wildlife Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified hunting/wildlife instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook
755 <i>Muzzleloader Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified muzzleloader instructor; a previously completed rifle, pistol, or shotgun project is strongly recommended	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
756 <i>Living History Member Record Book</i>	X	All project book activities, including planning, setting goals, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified shooting sports living history instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook
757 <i>Crossbow Member Record Book</i>	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be enrolled in a Shooting Sports program under the direction of a certified crossbow instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
758 <i>Western Heritage Project: Youth Activity Guide 1-3</i>	I, A	Progress through levels 1-3 by creating a project notebook; setting and working to accomplish three goals per level; completing at least one required and three elective activities for each sub-level (Historical Inquiry, Firearms and Shooting, and Clothing and Accoutrements); and completing a shooting requirement. See project book for details. Must be enrolled in a Shooting Sports program under the direction of a certified Western heritage instructor	Attend Shooting Sports Project Judging on the 2 nd Friday of June at Vienna Fish and Game Club*. Bring completed project book. Bring poster displaying one of the following: gun safety, care of guns, ammunition, parts of rifle, shooting positions. NO firearms are allowed at judging.	Shooting Sports Day ohio4h.org/nonlivestockguidebook
Sustainability				
651 <i>Be a Sustainability Hero!</i>	B	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook
652 <i>Farm to Table to Career</i>	I	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	Natural Resources Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
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Science, Technology, Engineering, and Math (STEM)

Aerospace Science				
501 <i>Rockets Away</i> (2-Liter Bottle Rockets)	B	All 3 interest areas At least 2 organized project activities At least 2 leadership/citizenship activities Build and launch a 2-liter bottle rocket Project review	Attend General Project Judging. Bring your completed project book. Bring a display showing what you learned in the project. Weather permitting, bring your rocket and launching equipment and be prepared to launch your rocket.	STEM Day ohio4h.org/nonlivestockguidebook
502 <i>Science Fun with Flight</i>	B, ages 9-14	All 7 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities Build a glider or flyer, or a plastic model airplane or jet Project review	Attend General Project Judging. Bring your completed project book. Bring a display showing what you learned in the project. Weather permitting, bring your airplane/glider and be prepared to fly it.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
503 <i>Rockets Away</i> (Solid-Fuel Model Rockets)	B	All 3 interest areas At least 2 organized project activities At least 2 leadership/citizenship activities Build and launch a solid-fuel model rocket from a kit Project review	Attend General Project Judging. Bring your completed project book. Bring a display showing what you learned in the project. Weather permitting, bring your constructed rocket and be prepared to launch your rocket.	STEM Day ohio4h.org/nonlivestockguidebook
503M <i>Solid-Fuel Rocketry Master</i>	A	One major solid-fuel rocketry project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	STEM Day ohio4h.org/nonlivestockguidebook
549 <i>Young Engineers in Space: Missions in Microgravity</i>	I	All 9 activities At least 2 learning experiences At least 2 citizenship activities Project review	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	STEM Day ohio4h.org/nonlivestockguidebook
All-Terrain Vehicles (ATV)				
555 <i>ATV Safety</i>	X	Safety pledge All 9 activities Practice pages Practice and riding record At least 2 learning experiences At least 2 leadership/citizenship activities	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Bicycle				
517 <i>Bicycling for Fun, Level I</i>	B	At least 7 activities per year Complete the Bicycling for Fun Achievement Program on second year Complete Project Goals, Before and After, and Project Highlights sections <i>(Use the same book 1-2 years.)</i>	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	STEM Day ohio4h.org/nonlivestockguidebook
Biology				
489 <i>Microscope Mysteries</i>	I	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review Requires the purchase of a Foldscope	Attend General Project Judging. Bring your completed project book. Bring a display or poster explaining something learned from this project.	STEM Day ohio4h.org/nonlivestockguidebook
Chemistry				
493 <i>Science Fun with Kitchen Chemistry</i>	B	All 11 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring example of one activity, completed project book and a record book of experiments that were conducted.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Electricity				
527 <i>Paper Circuits</i>	B	Complete all 10 activities in Parts 1, 2, and 3	Attend General Project Judging. Bring your completed project book. Bring an exhibit which represents your level of understanding and ability within the project. The project exhibit must be derived from one of the activities, experiments or plans contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook
528 <i>Smart Circuits</i>	I	Complete all 9 activities in Parts 1, 2, 3, and 4	Attend General Project Judging. Bring your completed project book. Bring an exhibit which represents your level of understanding and ability within the project. The project exhibit must be derived from one of the activities, experiments or plans contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
531 <i>Science Fun with Electricity</i>	B	All interest areas Experiments and journals for each interest area At least 2 project activities At least 2 leadership/citizenship activities Project summary	Attend General Project Judging. Bring your completed project book. Bring an exhibit which represents your level of understanding and ability within the project. The project exhibit must be derived from one of the activities, experiments or plans contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook
Energy				
550 <i>Young Engineers in Solar Energy</i>	I	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring your completed project book. Bring an exhibit which represents your level of understanding and ability within the project.	STEM Day ohio4h.org/nonlivestockguidebook
Food Science				
490 <i>Science Fun with Dairy Foods: The Case of the Missing Milk</i>	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring example of one activity and a record book of experiments that were conducted.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Knots				
540 <i>Not Just Knots</i>	X	All 17 activities (including a capstone project) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring completed project book. One a 22"x28" board, mount a good variety of 10 knots, hitches & splices. Some items may exhibit more than 1 knot or splice. You may also exhibit something useful that you have made from rope. This should not be secured to your board. Do not tape or use wire on the ends of your rope, they should be whipped.	STEM Day ohio4h.org/nonlivestockguidebook
Physics				
500 <i>Science Fun with Physics</i>	B	All 12 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Attend General Project Judging. Bring your completed project book and a record book of experiments that were conducted.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Robotics				
509 <i>Robotics Essentials</i>	I	All 10 activities (including construction of a LEGO® Spike™ Prime or VEX robot) and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook
512M <i>Robotics Master</i>	A	One major robotics project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Attend General Project Judging. Bring your completed project book and records including interview, budget & photos. Bring your completed robotics project.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Small Engines and Lawn Care				
541 <i>Crank It Up, Level 1</i>	B	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook
542 <i>Warm It Up, Level 2</i>	I	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
543 <i>Tune It Up, Level 3</i>	A	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	STEM Day ohio4h.org/nonlivestockguidebook
544 <i>Ready, Set, . . . Mow!</i>	A	All 13 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project.	STEM Day ohio4h.org/nonlivestockguidebook

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
Tractor and Machinery Operation				
552 <i>Tractor Operations: Gearing Up for Safety, Level B</i>	B	Complete all activities	Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional) Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	No state fair event

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
553 <i>Moving Out: Learning About Your Tractor and Farm Machinery, Level C</i>	I	Complete all activities	Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional) Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	No state fair event

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
554 <i>Learning More: Learning About Agricultural Tractors and Equipment, Level D</i>	A	Complete all activities	Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional) Attend General Project Judging. Bring your completed project book. Bring an exhibit representing your level of understanding and ability within the project. The project exhibit must be derived from one of the activities contained in your project manual.	No state fair event
Welding				
573 <i>Arcs and Sparks</i>	I	Recommended number of areas, building skills, and developing knowledge questions for your year At least 2 organized project activities At least 2 leadership/citizenship activities Build at least 2 weldments/or other items in book One-page report	Attend General Project Judging. Bring completed project book. Bring three welding projects you have made. Two projects must be from those recommended in the project book, one must be of your own design and must be small enough to be wheeled in on a hand dolly.	Engineering—Welding Day ohio4h.org/nonlivestockguidebook NOTE: All projects must be done using Shielded Metal Arc Welding (SMAW).

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
Woodworking				
556 <i>Measuring Up, Level 1</i>	B	At least 7 activities per year for up to three years At least 2 leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring completed project book. Bring an exhibit which shows that you have learned how to use hand tools including: steel tape, t-bevel, miter box, wood chisels, hand jig saw, scroll saw, hand stapler, power stapler, power sander, paint brush, single & double include planes. Use of all tools is not required though helpful.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.
557 <i>Making the Cut, Level 2</i>	I	At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring completed project book. Bring an exhibit which shows that you have learned how to use hand tools including: steel tape, t-bevel, miter box, wood chisels, hand jig saw, scroll saw, hand stapler, power stapler, power sander, paint brush, single & double include planes. Use of all tools is not required though helpful.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
558 <i>Nailing It Together, Level 3</i>	I	At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring completed project book and a woodworking project which shows that you have learned to use the following tools: circular saw, radial arm saw, table saw, hand planes and a power stapler. Use of all tools is not required but helpful. The item can be from the project book or you can make an item you designed using the tools listed above.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.

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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
559 <i>Finishing Up, Level 4</i>	A	At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide <i>(Use the same book 1-3 years.)</i>	Attend General Project Judging. Bring completed project book and a woodworking project which shows that you have learned to use the following tools: power router, portable power planer, thickness planer, power jointer and hand scraper. Use of all tools is not required but helpful. The item can be from the project book or you can make an item you designed yourself using the tools listed above.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.
560M <i>Woodworking Master</i>	A	One major woodworking project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Attend General Project Judging. Bring completed self-determined project book and any additional documentation to demonstrate project experience. A project(s) constructed by you using a variety of tools and woodworking techniques. Projects might include intarsia, carvings (relief and 3D), sculpting, marquetry, and lathe work.	Woodworking Day ohio4h.org/nonlivestockguidebook NOTE: See the State Fair Guidebook for list of allowable tools.

* Project skill level indicates the project's intended audience. **B** = Beginning level—for members with little or no experience in a project area, or 8- to 10-year-olds; **I** = Intermediate level, for members with some experience in a project area, or 11- to 13-year-olds; **A** = Advanced level—for experienced members in a project area, or 14 or older; and **X** = All levels—for all skill and age levels. Exceptions to these age guidelines are noted.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	County Requirements	State Fair Requirements <i>See the 4-H State Fair Guidebook for complete details for non-livestock projects.</i>
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Self-Determined

365 <i>Self-Determined</i>	X	<p>Using the online Self-Determined Project Guide:</p> <ul style="list-style-type: none"> Topic identification At least 3 areas of interest, each with at least 3 activities At least two learning experiences At least two leadership/citizenship experiences Project summary 	<p>Attend General Project Judging. Bring completed project book and records. Bring a display mounted on 36" high by 48" wide cardboard tri-fold display board with 12" wings. Include the following items: Title of Project, Areas of interest (what you chose to focus on), Background (historical or general info), Results (what you did or accomplished), & Conclusion (what you learned).</p>	<p>Self-Determined Day ohio4h.org/nonlivestockguidebook</p> <p>NOTE: Requirements may be different for self-determined projects that go to state fair on other days. See the "Ohio State Fair Self-Determined Projects Tip Sheet" at ohio4h.org/selfdetermined for additional information.</p>
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