

2022 Washington County Project Judging and State Fair Requirements

Judging Day – Thursday, July 14 at Washington Co Jr Fair Building – begins at 5:30 pm

Check the 4-H Blog for your specific time

Project Judging Dress Code - The goal of participating in project interviews is to help 4-H members prepare for future interview situations. With that in mind, members should dress as if they were attending a job or college interview. • General appearance should be neat and clean • No t-shirts with inappropriate language or graphics • Jeans or long pants are preferred • Skirts/shorts should reach at least the mid-thigh. • No low-cut tops or visible undergarments • Hats should not be worn during the interview. Examples of appropriate dress: button-down shirts, polos, dressy tops, 4-H club t-shirts, nice jeans, capris, skirts.

State Fair Selection & Orientation– If a project is eligible for State Fair, qualifiers and alternates will be selected from 4-H members receiving Superior ratings attending Judging Day on **Thursday, July 14**. The only exception is that members who cannot attend judging due to another 4-H activity, such as Leadership Camp or Shooting Sports Camp, may have their interview pre-recorded and shown to the judge to be eligible for State Fair participation. OSF Orientation is Sunday, July 24 at 1:30 pm at the OSU Extension Office for OSF qualifiers.

Make-up Judging – will be held on **Monday, August 8** starting at 6:00 pm in the Junior Fair Building for members not available to attend Project Judging. Signup here to reserve your spot for makeup judging: <https://go.osu.edu/judgingmakeup>

\$6 Voucher – all members that attend Project Judging on July 14 will receive one \$6 voucher from the 4-H Advisory Committee. The voucher can be redeemed at the OSU Extension toward the purchase of 4-H Project Books or applied toward 4-H Camp Registration. One voucher per member.

* **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 are noted.



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THE OHIO STATE UNIVERSITY
COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES



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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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About 4-H

91 <i>Discovering 4-H</i>	B	All activities in 9 interest areas Project summary	Completed project book and poster or display showing what you learned	No state fair event
92 4-H Around the Globe	I	All seven activities, including the Talking It Over questions At least two learning experience At least two leadership/citizenship activities Project summary and project review	Completed project book and poster or display showing what you learned	Family Life Day: completed project book, display, and interview

Animal Sciences

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	Completed project book, display and your dog (if you have one)	Companion Animal Day
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)	Completed project book, display and your dog	See "Jr. Livestock" events under the Competitions tab at www.ohiostatefair.com . See also http://4hansci.osu.edu .
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 www.ohio4h.org/DAP .	Completed project book, display and your dog (if you have one)	No state fair event

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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)	Completed project book, display, and your cavy in an appropriate carrier	Companion Animal Day
216 <i>Purr-fect Pals, Level 1</i> 217 <i>Climbing Up! Level 2</i> 218 <i>Leaping Forward, Level 3</i>	B I A	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	Completed project book, display, and your cat in an appropriate carrier/crate	Companion Animal Day
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)	Completed project book, display, and your pocket pet in an appropriate carrier	Companion Animal Day
227 <i>Pet Rabbit Project and Record Book</i>	X	Project animal by required date At least 1 topic of interest At least 8 activities At least 2 project experiences At least 2 leadership/citizenship activities Quality Assurance and Rabbit Records sections Club or county level project review County project judging (may be optional)	Completed project book, display, and your pet rabbit in an appropriate carrier	Companion Animal Day

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230 4-H PetPALS Project and Record Book	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	Completed project book, display, and your pet in an appropriate carrier	Companion Animal Day

Horseless Horse

173 Horseless Horse	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	Completed project book and display	No state fair event
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Veterinary Science

244 From Airedales to Zebras, Level 1	B	Set goals and record project highlights At least seven activities each year		
245 All Systems Go! Level 2	I	At least 21 of the activities in three years Complete the "Whaddya Know?" survey before and after activities	Completed project book and display	STEM Day: completed project book, display, and interview
246 On the Cutting Edge, Level 3	A	Project evaluation		

Genealogy

442 Family History Treasure Hunt (Genealogy)	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	Completed project book and display about your family history. Use copies for your display rather than originals	Family Life Day: pencil, correspondence log, research journal, pedigree charts, and family group sheets with documentation
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Clothing and Textile Science

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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and fully elastic-waisted skirt, shorts, pants, or capris
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)	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
411 <i>em•bel•lish: 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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and embellishment(s) on at least one garment
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit

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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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, accessories you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit (Wear at least one accessory you made with the outfit it was designed for)
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit

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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	Completed project book, clothing items you made for someone and project portfolio showing what you learned.	Clothing Days: completed project book and outfit (It is desirable but not required for the "other" to wear the outfit. Also, if the project is repeated, a new category of "other" must be selected)
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and top constructed
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit

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		Project record and evaluation summary		
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit
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	Completed project book, clothing items you made and project portfolio showing what you learned.	Clothing Days: completed project book and outfit.
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	Completed project book, clothing items you made and project portfolio showing what you learned.	No state fair event

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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	Completed project book and display showing you “in action” doing presentations	Leadership Day: completed project book, display, and interview
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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	Completed project book and poster/display or binder showing what you learned AND Beginner – a decorated single layer cake Intermediate – a decorated one or two layer cake Advance – a decorated stacked or tiered cake	Creative Arts Day II: completed project book, display (decorated cake and poster), written and hands-on skills evaluation, and interview
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Collecting

496 <i>My Favorite Things</i>	B	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and display showing what you learned	Creative Arts Day I: completed project book, display (representing their learning experience), and interview
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Quilting

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	Completed project book, lap quilt you made and project portfolio showing what you learned.	Quilt Day: completed project book, quilt and interview
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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	Completed project book, mini quilt you made and project portfolio showing what you learned.	Quilt Day: completed project book, mini quilt, and interview
Art & Graphic Design				
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	Completed project book and display (piece of art/poster)	Creative Arts Day I: completed project book, display (piece of art/poster), written skills evaluation, and interview
593 <i>Seeing Through Graphic Design</i>	I	All 9 activities, including a portfolio, and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Completed project book and display (portfolio)	Creative Arts Day I: completed project book, display (portfolio), and interview
Photography				
584 <i>Focus on Photography, Level 1</i>	B	At least 2 activities in each of the 4 project areas and the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook (Use the same book 1-3 years.)	Bring your completed project book, camera and ONE of the following: • A single print of any size mounted at the discretion of the participant; or • A collection of prints illustrating a "Photo Story", consisting of at least five and not more than ten photographs mounted at the discretion of the exhibitor; or • A collection of prints illustrating one of the "activities" the participant completed for the project, consisting of at least five and not more than ten photographs, mounted at the discretion of the participant. Participants may also bring any other materials they feel might demonstrate their learning experiences from the current project year (although participants are not required to do so).	Photography Day: •Completed project book. •A display representing their learning experience of the current project. The display should be the one used either at their local 4-H judging or at their county fair. •All mounted prints must be identified by printing class #, member's name, and county in lower right-hand corner on the back of the exhibit. •Refer to additional project requirements as listed in county judging requirements listed . •Exhibits will remain in place until the awards have been presented, beginning at 4:30 p.m.

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585 Controlling the Image, Level 2	I	At least 2 activities in each of the 4 project areas and the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook (Use the same book 1-3 years.)	Bring your completed project book, camera and ONE of the following: •A single print of any size mounted at the discretion of the participant; or •A single print illustrating an "enlargement," which shall consist of an enlargement print, mounted at the discretion of the participant, and accompanied by the original size print; or •A collection of prints illustrating one of the "activities" the participant completed for the project, consisting of at least five and not more than 10 photographs mounted at the discretion of the exhibitor; or •A single original print illustrating a "News Story", which shall be an original photo mounted at the discretion of the exhibitor and accompanied by the published article. Participants may also bring any extra materials they feel might demonstrate their learning experiences of the current project year but participants are not required to do so.	Photography Day: •Completed project book. •A display representing their learning experience of the current project. The display should be the one used either at their local 4-H judging or at their county fair. •All mounted prints must be identified by printing class #, member's name, and county in lower right-hand corner on the back of the exhibit. •Refer to additional project requirements as listed in county judging requirements listed . •Exhibits will remain in place until the awards have been presented, beginning at 4:30 p.m.
586 Mastering Photography, Level 3	A	At least 2 activities in each of the 4 project areas and the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review Photo journal or scrapbook (Use the same book 1-3 years.)	Bring your completed project book, camera and ONE of the following: •One print of any size mounted at the discretion of the participant; or •A single print illustrating an "enlargement," which shall consist of an enlargement print, mounted at the discretion of the participant, and accompanied by the original size print; or •A collection of prints illustrating one of the "activities" the exhibitor completed for the project, consisting of at least five and not more than 10 pictures mounted at the discretion of the exhibitor; or •A single original print illustrating a "News Story", which shall be an original photo mounted at the discretion of the participant and be accompanied by the published article. Participants may also bring any extra materials they feel might demonstrate their learning experiences of the current project year, but participants are not required to do so.	Photography Day: •Completed project book. •A display representing their learning experience of the current project. The display should be the one used either at their local 4-H judging or at their county fair. •All mounted prints must be identified by printing class #, member's name, and county in lower right-hand corner on the back of the exhibit. •Refer to additional project requirements as listed in county judging requirements listed . •Exhibits will remain in place until the awards have been presented, beginning at 4:30 p.m.

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589M Photography Master	A	One major photography project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and portfolio Judging activity	Bring your completed project book, camera and ONE of the following: <ul style="list-style-type: none"> • Select a type of photography (i.e. portrait, wedding, baby, landscape, sports, fashion, etc.) and explore the skills and equipment needed to be successful. Create a portfolio that showcases the type of photography you choose. • Create a collection of images illustrating a "picture story" or a "documentary" with print or digital images. • Experiment with a variety of lighting intensities and angles, and apply your new knowledge to your photography. • Learn to see in "Black and White" and explore how removing color changes the mood, focus of attention, or even attractiveness. • Use a specialized technique, such as selective focusing or enlarging, to change an image's focal point, feel, meaning, etc. • Learn how to use the manual settings on your camera to your advantage (i.e. nighttime photography). Each participant may bring any extra materials the feel will demonstrate the learning experiences of the current project year but are not required to do so. Equipment to view digital images and or portfolios must be provided by the exhibitor. Be aware that Internet/WiFi service will not be available at the judging site! Images should be contained on your display devices. Participants in this class are to bring their 589M Photography Master project books showing involvement in activities and progress made toward completing their 589M Photography Masterproject.	Photography Day: <ul style="list-style-type: none"> •Completed project book. •A display representing their learning experience of the current project. The display should be the one used either at their local 4-H judging or at their county fair. •All mounted prints must be identified by printing class #, member's name, and county in lower right-hand corner on the back of the exhibit. •Refer to additional project requirements as listed in county judging requirements listed . •Exhibits will remain in place until the awards have been presented, beginning at 4:30 p.m.
Scrapbooking				
497 Scrapbooking: A 4-H Guide to Preserving Memories	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	Completed project book and scrapbook	Creative Arts Day I: completed project book, display, written and hands-on skills evaluation, and interview

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Writing				
588 <i>The Writer in You</i>	I	All 11 activities (including a writing portfolio) and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Completed project book and portfolio including each writing assignments, choose one writing to be reviewed by the judge	No state fair event

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	Completed project book, portfolio and food sample. Food is for presentation only and will not be consumed by project judge. <i>The Portfolio is project specific and is used to enhance a conversation between the member and a judge about activities the member completed within the project. The participant will be responsible for bringing a 3 pronged folder or binder that includes 8 ½" x 11" pages. Participants will create a maximum of one page (one-sided only) per "activity area" or "interest area" as designated in the front of their project books. Ideas for these pages include journaling, a timeline, and photos taken during their project, or any other format that would illustrate the work and knowledge of the participant. Each page could be different or can be a combination of styles allowing the 4-H'er to reflect on their learning experience.</i>	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
467 <i>You're the Chef</i>	A (at least 14 or 3 years exper.)	All 8 interest areas, including 7 meals At least 2 learning experiences At least 2 leadership/citizenship activities Project record, evaluation at the end of each interest area, and review		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard

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469 <i>Global Gourmet</i>	A (at least 14 or 3 years exper.)	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	Completed project book, portfolio and food sample. Food is for presentation only and will not be consumed by project judge. <i>The Portfolio is project specific and is used to enhance a conversation between the member and a judge about activities the member completed within the project. The participant will be responsible for bringing a 3 pronged folder or binder that includes 8 ½" x 11" pages. Participants will create a maximum of one page (one-sided only) per "activity area" or "interest area" as designated in the front of their project books. Ideas for these pages include journaling, a timeline, and photos taken during their project, or any other format that would illustrate the work and knowledge of the participant. Each page could be different or can be a combination of styles allowing the 4-H'er to reflect on their learning experience.</i>	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
476 <i>Kitchen Boss</i>	A	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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	Completed project book, portfolio and food sample. Food is for presentation only and will not be consumed by project judge.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
486 <i>Dashboard Dining: A 4-H Guide to Healthful Fast Food Choices</i>	I	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	<i>The Portfolio is project specific and is used to enhance a conversation between the member and a judge about activities the member completed within the project. The participant will be responsible for bringing a 3 pronged folder or binder that includes 8 ½" x 11" pages. Participants will create a maximum of one page (one-sided only) per "activity area" or "interest area" as designated in the front of their project books. Ideas for these pages include journaling, a timeline, and photos taken during their project, or any other format that would illustrate the work and knowledge of the participant. Each page could be different or can be a combination of styles allowing the 4-H'er to reflect on their learning experience.</i>	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard
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		Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard

Healthy Living

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	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview
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 (A fitness tracking device is recommended but not required.)	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview

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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)	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview
351 <i>Staying Healthy</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	Completed project book (for that years activities) and poster or display showing what you learned	Health Day: completed project book, display, and interview
352 <i>Keeping Fit</i>	I	All 12 interest areas 3 of the More Challenges activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book (for that years activities) and poster or display showing what you learned	Health Day: completed project book, display, and interview
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	Completed project book (for that years activities), first aid kit and poster or display showing what you learned	Health Day: completed project book, display, and interview
357 <i>Alcohol and Drug Abuse</i>	A	All 12 activities At least 2 learning experiences All least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview
358 <i>The Truth About Tobacco</i>	A	All 12 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview
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	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
434 Superhero YOU	B	All 5 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Health Day: completed project book, display, and interview

Home Living

405 The Laundry Project	B	All 11 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Completed project book and poster or display showing what you learned	Home Decorating and Design Day: completed project book, display (visuals and records), and interview
491 It's My Home	B	All 9 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Home Decorating and Design Day: completed project book, display (an item constructed in the project, visuals to show how it makes more pleasing and practical living), and interview
494 Makeover My Space	I	All 10 activities and 4 Talking It Over pages At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Home Decorating and Design Day: completed project book, display (visuals and records), and interview
495 Your First Home Away From Home	A	All 4 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities A notebook for planning and a project record	Completed project book and poster or display showing what you learned	Home Decorating and Design Day: completed project book, display (visuals and records), and interview

Leadership and Citizenship

370 Mentoring: Leadership in Action	A	All 7 activities and all Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
372 <i>Diversity: The Source of Our Strength</i>	A	All 8 activities At least 2 learning experiences At least 2 citizenship activities Project review	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
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	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
374 <i>Teens on Board</i>	I	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
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	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
375i <i>Leadership Road Trip iBook</i>	I	All 13 activities and Rest Stop questions At least 2 learning experiences At least 2 citizenship activities Project summary and project review	iPad with completed project book and poster or display showing what you learned	Leadership Day: iPad with completed project book, display, and interview
376 <i>Pantry Panic!</i>	A	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Leadership Day: completed project book, display, and interview
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	Completed project book and poster or display showing what you learned	Leadership Day: completed project record, display, and interview

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
383 Club Leadership 2	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	Completed project book and poster or display showing what you learned	Leadership Day: completed project record, display, and interview

Money Management

445 Becoming Money Wise	B	Level I All 11 Making \$ense and all 5 Money Talk activities As many additional More Making \$ense activities as you wish 2 organized activities At least 2 leadership/citizenship activities Level II All 12 Resource \$ense and 3 Resource Talk activities As many additional More Resource \$ense activities as you wish 2 organized activities At least 2 leadership/citizenship activities A money journal	Completed project book and poster or display showing Making \$ense activity	No state fair event
448 Teens . . . On the Road to Financial Success	A	All 11 activities for Year 1 and for Year 2 At least 2 organized activities At least 2 leadership/citizenship activities	Completed project book and poster or display showing what you learned	No state fair event

Natural Resources

Gardening and Plant Science

670 Canning and Freezing	I	All 7 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project summary and project review	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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	Completed project book, a sample of one of your plants and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own. Not required to bring planters.
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		Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book, a sample of your vegetables and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book, a sample of your vegetables and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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		Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
620 <i>Why Trees Matter</i>	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
624 <i>Outdoor Adventurer: Fishing for the Intermediate</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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
641 Beekeeping Project and Record Book	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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
644 Insect Adventures 1	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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
645 Insect Adventures 2	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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
646 Insect Adventures 3	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	Completed project book and poster or display showing what you learned	Completed Project Book. A display representing the learning experience of the current project. The display should be one used either at local 4-H judging or at county fair and should be limited in size to what the participant can maneuver on his or her own.
Shooting Sports – Safe Use of Guns & Basic Archery				
630 Safe Use of Guns	B	All 11 activities, including Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned Guns, bows, arrows, ammunition, and firearms of any kind are not permitted on the Fairgrounds. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches.	Natural Resources—Shooting Sports Day: completed project book, display, and interview

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
631 Basic Archery	B	All 6 interest areas At least 2 organized activities At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned Guns, bows, arrows, ammunition, and firearms of any kind are not permitted on the Fairgrounds. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview

Shooting Sports – Bull’s-Eye 4-H Club Projects

750 Rifle Member Record Book 751 Archery Member Record Book 752 Shotgun Member Record Book 753 Pistol Member Record Book 754 Hunting and Wildlife Member Record Book 755 Muzzleloader Member Record Book 756 Living History Member Record Book 757 Crossbow Member Record Book	X	All project book activities, including planning, setting goals, identifying parts, practicing safety, record keeping, evaluation, and more Must be 4-H age 9 and enrolled in a Shooting Sports program under the direction of a certified rifle instructor	Completed project book and poster or display showing what you learned Guns, bows, arrows, ammunition, and firearms of any kind are not permitted on the Fairgrounds. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches.	Natural Resources—Shooting Sports Day: completed project book (A certified shooting sports instructor must sign the cover of the member record book to be eligible to compete in 4-H Shooting Sports), display, and interview
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Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
758 Western Heritage Project: Youth Activity Guide Levels 1-3	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 4-H age 9 and enrolled in a Shooting Sports program under the direction of a certified Western heritage instructor	Completed project book and poster or display showing what you learned Guns, bows, arrows, ammunition, and firearms of any kind are not permitted on the Fairgrounds. Participants may not use any of these items or three-dimensional replicas of these items as a part of any display. Displays also may not include any part of an arrow longer than 6 inches.	Natural Resources—Shooting Sports Day: completed project book (A certified shooting sports instructor must sign the cover of the member record book to be eligible to compete in 4-H Shooting Sports), display, and interview

Science, Technology, Engineering, and Math (STEM)

Aerospace Science

501 Rockets Away (2-Liter Bottle Rockets)	B, ages 10-17	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	Completed project book, at least one rocket and poster or display showing what you learned	STEM Day: completed project book, display, and interview
502 Science Fun with Flight	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	Completed project book, glider or model airplane and poster or display showing what you learned	STEM Day: completed project book, display, and interview
503 Rockets Away (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	Completed project book, at least one rocket and poster or display showing what you learned	STEM Day: completed project book, display, and interview
503M Solid-Fuel Rocketry Master	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	Completed project book, at least one rocket and poster or display showing what you learned	STEM Day: completed project book, display, and interview

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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	Completed project book and poster or display showing what you learned	No state fair event
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	Completed project book and poster or display showing what you learned	No state fair event
518 <i>Wheels in Motion, Level 2</i>	I	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	Completed project book and poster or display showing what you learned	No state fair event
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	Completed project book and poster or display showing what you learned	STEM Day: completed project book, display, and interview
Electricity				
527 <i>Magic of Electricity, Level 1</i>	B	At least 7 activities per year (3 main activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide	Completed project book and poster or display showing what you learned	Engineering Excitement Day: completed project book, display, and interview
528 <i>Investigating Electricity, Level 2</i>	I	At least 7 activities per year (3 Required Activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide	Completed project book and poster or display showing what you learned	Engineering Excitement Day: completed project book, display, and interview

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
529 Wired for Power, Level 3	I	At least 7 activities per year (3 Required Activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide	Completed project book and poster or display showing what you learned	Engineering Excitement Day: completed project book, display, and interview
530 Entering Electronics, Level 4	A	At least 7 activities per year (3 Required Activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide	Completed project book and poster or display showing what you learned	Engineering Excitement Day: completed project book, display, and interview
531 Science Fun with Electricity	B	All interest areas Experiments and journals for each interest area At least 2 project activities At least 2 leadership/citizenship activities Project summary	Completed project book and poster or display showing what you learned	Engineering Excitement Day: completed project book, display, and interview
Energy				
550 Young Engineers in Solar Energy	I	All 9 activities (including a capstone project) and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	STEM Day: completed project book, display, and interview
Food Science				
490 Science Fun with Dairy Foods: The Case of the Missing Milk	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	STEM Day: completed project book, display, and interview

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
Knots				
540 <i>Not Just Knots</i>	X	All 17 activities (including a capstone project) and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and display of different ropes/knots. Be able to demonstrate different knots	Engineering Excitement Day: completed project book, display, and interview
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	Completed project book and poster or display showing what you learned	STEM Day: completed project book, display, and interview
Robotics				
507 <i>Robotics 1 with EV3</i>	I	All 12 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	STEM Day – completed project book, display and interview. In addition to the interview, contestants will demonstrate their LEGO EV3 robot's ability to complete three or more of the tasks identified in Activity 12 of the 4-H 507 project book in less than 10 minutes. Contestants are required to bring their own test surface on which to demonstrate their robot's completion of these tasks along with a printout of the program.
508 <i>Robotics 2: EV3N More</i>	A	All 7 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	Completed project book and poster or display showing what you learned	STEM Day – completed project book, display and interview. Contestants are required to bring their own test surface to demonstrate their robot's completion of a task of their choosing (in less than 10 minutes) along with a printout of the program.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
512M Robotics Master	A	One major robotics project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Completed project book and poster or display showing what you learned	STEM Day: completed project book, display, interview, and tasks. Contestants are required to bring their own test surface to demonstrate their robot's completion of a task of their choosing along with a printout of the program.
Small Engines				
541 Crank It Up, Level 1	B	At least 7 activities each year in either main activities sections or Race Ahead sections Planning Guide	Completed project book and poster or display showing what you learned	Engineering Excitement Day: completed project book, display, and interview
542 Warm It Up, Level 2	I			
543 Tune It Up, Level 3	A			
Tractor and Machinery Operation				
551 Starting Up: Getting to Know Your Tractor, Level A	B	Complete all activities	Completed project book and poster or display showing what you learned	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events
552 Tractor Operations: Gearing Up for Safety, Level B	I	Complete all activities	Completed project book and poster or display showing what you learned	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events
553 Moving Out: Learning About Your Tractor and Farm Machinery, Level C	I	Complete all activities	Completed project book and poster or display showing what you learned	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events
554 Learning More: Learning About Agricultural Tractors and Equipment, Level D	A	Complete all activities	Completed project book and poster or display showing what you learned	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
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	Completed project book and two examples of your welding (one from the project book and one from your design)	Engineering—Welding Day: completed project book, appropriate gear, other equipment and/or supplies, and welding project NOTE: All projects must be done using Shielded Metal Arc Welding (SMAW).
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	Completed project book and wood project made using hand tools including: All non-power hand tools (hammers, saws, clamps, layout tools, chisels, etc.). Plus, the following power tools are permitted: sanders, corded and cordless drills, saber saw and scroll saw.	Woodworking Day: completed project book, eye protection, appropriate attire, project made at fair, project made at home, and interview NOTE: See the State Fair Guide Book 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	Completed project book and wood project made using hand tools and the following power tools are permitted: miter saw, table saw, drill press, bandsaw, thickness planner, cordless trim saw and power nailing devices.	Woodworking Day: completed project book, eye protection, appropriate attire, project made at fair, project made at home, and interview NOTE: See the State Fair Guide Book for list of allowable tools.
558 <i>Nailing It Together, Level 3</i>	A	At least 7 activities per year for up to three years At least 4 woodworking leadership experiences Planning Guide	Completed project book and wood project made using hand tools and the following power tools are permitted: power tools including radial arm saw, lathe, router, power circular saw, and shaper.	Woodworking Day: completed project book, eye protection, appropriate attire, project made at fair, project made at home, and interview NOTE: See the State Fair Guide Book for list of allowable tools.
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	Completed project book and wood project made using all hand and power tools.	Woodworking Day: completed project book, eye protection, appropriate attire, project made at fair, project made at home, and interview NOTE: See the State Fair Guide Book for list of allowable tools.

Project Number and Name	Skill Level*	Project Completion Requirements See each project book for complete details.	Washington County Requirements (What to Bring)	State Fair Requirements See the 4-H State Fair Guidebook for details. www.go.osu.edu/osf
560M Woodworking Master	A	One major woodworking project At least 2 learning experiences At least 2 citizenship activities Project records including interview, budget, and photos Judging activity	Completed project and wood project made to should show creativity, proper joinery technique, good layout & design. Projects might include: intarsia, carvings, marquetry, lathe work, original designs and antique furniture reproductions	Woodworking Day: completed project book, eye protection, appropriate attire, project made at fair, project made at home, and interview NOTE: See the State Fair Guide Book for list of allowable tools.

Self-Determined

365 Self-Determined <i>Idea Starters can be downloaded & printed at: Ohio4h.org/selfdetermined</i>	X	Using the online Self-Determined Project Guide: 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	Completed project guide and poster or display showing what you learned	Self-Determined Day: completed 365 project record, tri-fold display, sample of project work, and interview NOTE: Requirements are different for self-determined projects that go to other days.
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Workforce Preparation

382 Am I Ready for Work?	I	All 9 activities and Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	Completed project book and poster or display showing what you learned	Participants will prepare a digital display, discuss their display with the judges and complete a mock interview.
387 Here, There, Ag Careers Are Everywhere!	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	Completed project book and poster or display showing what you learned	Participants will prepare a digital display, discuss their display with the judges and complete a mock interview.

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