

# 2019 Project Completion and Fair Requirements

1/17/19

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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## About 4-H

91 <i>Discovering 4-H</i>	B	All activities in 9 interest areas Project summary	Bring a display that shows what you accomplished/learned	No state fair event
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## Animal Sciences

### 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)	See column to the left. Exhibit your animal(s) at the fair (optional)	See "Jr. Livestock" events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
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### 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	See column to the left. Exhibit your dog at the fair (optional)	Companion Animal Day
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**THE OHIO STATE UNIVERSITY**

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES



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201 <b><i>Dog Project and Record Book</i></b> (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 column to the left. Exhibit your dog at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
202 <b><i>Dog Achievement Program</i></b>	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 <a href="http://ohio4h.org/DAP">ohio4h.org/DAP</a> .	See column to the left.	
215 <b><i>Cavy Project and Record Book</i></b>	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)	See column to the left. Exhibit your cavy at the fair (optional)	Companion Animal Day
216 <b><i>Purr-fect Pals, Level 1</i></b>	B	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	See column to the left. Exhibit your cat at the fair (optional)	Companion Animal Day
217 <b><i>Climbing Up! Level 2</i></b>	I	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	See column to the left. Exhibit your cat at the fair (optional)	Companion Animal Day
218 <b><i>Leaping Forward, Level 3</i></b>	A	Cat-a-logue Your Knowledge evaluation, before and after project At least 7 activities each year	See column to the left. Exhibit your cat at the fair (optional)	Companion Animal Day

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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)	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Companion Animal Day
225 <i>Breeding Rabbit Project and Record Book</i>	X	Project animal by required date At least 1 topic of Interest At least 5 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)	See column to the left. Exhibit your rabbit at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
226 <i>Market Rabbit Project and Record Book</i>	X	Project animal by required date At least 1 topics of interest At least 5 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)	See column to the left. Exhibit your rabbit at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
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)	See column to the left. Exhibit your rabbit at the fair (optional)	Companion Animal Day

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230 <b>4-H PetPALS Project and Record Book</b>	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Companion Animal Day
<b>Dairy Cattle</b>				
122 <b>Dairy Heifer Project and Record Book</b>	X	Project animal by required date Member Project Guide, Quality Assurance, and Animal Records sections Club or county level project review County project judging (may be optional)	See column to the left. Exhibit your animal(s) at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
126 <b>Dairy Cow Project and Record Book</b>	X	Project animal by required date Member Project Guide, Quality Assurance, and Animal Records sections Club or county level project review County project judging (may be optional)	See column to the left. Exhibit your animal(s) at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
<b>Goats</b>				
135 <b>Goat Project and Record Book</b> (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)	See column to the left. Exhibit your animal(s) at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .

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<b>Horses</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event
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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
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>	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .

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180 <b>Learning to Jump</b>	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>	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See "Jr. Livestock" events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
181 <b>Draft Horses</b>	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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See "Jr. Livestock" events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
182 <b>Small Equine</b>	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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See "Jr. Livestock" events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
184 <b>Standardbred Horse</b>	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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See "Jr. Livestock" events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .

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185 <b>Equine Reproduction and Genetics</b>	A	Project horse required by deadline Appropriate helmet and other equipment Planning Your Project section All 3 major interest areas At least 3 Things to Do in each of your selected interest areas At least 3 project learning activities and 3 leadership/citizenship activities Completed 190R <i>Equine Record Book</i> Project diary or scrapbook	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
188 <b>Trail Riding</b>	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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
189 <b>Dressage</b>	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	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must participate in a dressage competition and meet scoring requirements Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .

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762 <b>Horse Nutrition</b>	A	Project horse required by deadline Appropriate helmet and other equipment Completed 190R <i>Equine Record Book</i>	See column to the left. Exhibit your animal(s) at the fair (optional)  Horse Safety Program for first-time program participants	Must qualify at PAS show. Must follow <i>Uniform Rules for 4-H Horse Shows</i> See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
<b>Llamas and Alpacas</b>				
132 <b>Llama and Alpaca Project and Record Book</b>	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)	See column to the left.	See “Open Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a>
<b>Poultry</b>				
150 <b>Poultry Project and Record Book</b> (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)	See column to the left. Exhibit your birds at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
<b>Sheep</b>				
198 <b>Market Lamb Project and Record Book</b>	X	Project animal by required date All activities Club or county level project review County project judging (may be optional)	See column to the left. Exhibit your lamb at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .

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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 column to the left. Exhibit your sheep at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
<b>Swine</b>				
139 <i>Market Hog 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 column to the left. Exhibit your hog at the fair (optional)	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
140 <i>Swine 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 column to the left.  If you exhibit swine breeding at the Ohio State Fair, you must list 140 Swine Breeding as a project on your enrollment form.	See “Jr. Livestock” events under the Competitions tab at <a href="http://ohiostatefair.com">ohiostatefair.com</a> . See also <a href="http://4hansci.osu.edu">4hansci.osu.edu</a> .
<b>Veterinary Science</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview

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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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview

## 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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit (Wear at least one accessory you made with the outfit it was designed for)
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and fully elastic-waisted skirt, shorts, pants, or capris

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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)	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and the top constructed
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and embellishment(s) on at least one garment
412 <i>Sew for Others</i>	I	All 5 interest areas At least 1 learning experience At least 1 leadership/citizenship activity A complete outfit for an individual or 3 different garments (adapted) for someone with special needs Project evaluation	See the column to the left. Attend county judging (optional); Completed project book and outfit	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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit

\* 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.
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	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 <b>or</b> 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	See the column to the left. Attend county judging (optional); Completed project book and outfit	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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	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 Project record and evaluation summary	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit

\* 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.
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit
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	See the column to the left. Attend county judging (optional); Completed project book and outfit	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	See the column to the left. Attend county judging (optional); Completed project book and outfit	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	See the column to the left. Attend county judging (optional); Completed project book and outfit	Clothing Days: completed project book and outfit.

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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.
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	See the column to the left. Attend county judging (optional); Completed project book and non-clothing fabric item	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	See column to the left. Participate in county Public Speaking Contest (optional) Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. See state fair requirements on the right for county judging requirements	Creative Arts Day II: completed project book, display (decorated cake and poster), written and hands-on skills evaluation, and interview
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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.
<b>Collecting</b>				
496 <i>My Favorite Things</i>	B	All 8 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. See state fair requirements on the right for county judging requirements	Creative Arts Day I: completed project book, display (representing their learning experience), and interview
<b>Fine Arts</b>				
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	See column to the left. Attend county judging (optional) Quilt blocks, lap quilt Completed project book, See state fair requirements on the right for county judging requirements	Quilt Day: completed project book, quilt and interview
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	See column to the left. Attend county judging (optional); Completed project book and mini quilt See state fair requirements on the right for county judging requirements	Quilt Day: completed project book, mini quilt, and interview
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	See column to the left. Attend county judging (optional); Completed project book and completed project See state fair requirements on the right for county judging requirements	Creative Arts Day I: completed project book, display (piece of art/poster), written skills evaluation, and interview

\* 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.
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	See column to the left. Attend county judging (optional); Completed project book and completed project See state fair requirements on the right for county judging requirements	Creative Arts Day I: completed project book, display (portfolio), and interview
<b>Genealogy</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. See state fair requirements on the right for county judging requirements	Family Life Day: pencil, correspondence log, research journal, pedigree charts, and family group sheets with documentation
<b>Photography</b>				
584 <i>Focus on Photography, Level 1</i>	B	All 4 project areas, photo journal, and review questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book See state fair requirements on the right for county judging requirements	Photography Day: completed project book, display (single mounted print, prints that tell a "photo story," or prints that illustrate an activity), and interview
585 <i>Controlling the Image, Level 2</i>	I	All 4 project areas, photo journal, and review questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book See state fair requirements on the right for county judging requirements	Photography Day: completed project book, display (single mounted print, prints that tell a "photo story," prints that illustrate an activity, or single print with the news story it illustrates)

\* 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.
586 <i>Mastering Photography, Level 3</i>	A	All 4 project areas, photo journal, and review questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book See state fair requirements on the right for county judging requirements See column to the left.	Photography Day: completed project book, display (single mounted print, prints that tell a "photo story," prints that illustrate an activity, or single print with the news story it illustrates)
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	See column to the left. Attend county judging (optional); Completed project book See state fair requirements on the right for county judging requirements	Photography Day: completed project book, <b>bring at least (1) one print for display, mounted at participant's discretion,</b> illustrating "the best" of the photographs and demonstrating the area of interest chosen to "master" in this year's project.
<b>Scrapbooking</b>				
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	See column to the left. Attend county judging (optional); Completed project book See state fair requirements on the right for county judging requirements	Creative Arts Day I: completed project book, display, written and hands-on skills evaluation, and interview
<b>Writing</b>				
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	See column to the left. Attend county judging (optional); Completed project book Portfolio of writing	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 See the 4-H State Fair Guidebook for complete details for non-livestock projects.
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## Food and Nutrition

459 <b><i>Let's Start Cooking</i></b>	B	All 8 activities, including 6 recipes At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
463 <b><i>Sports Nutrition: Ready, Set, Go</i></b>	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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
481 <b><i>Everyday Food and Fitness</i></b>	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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)

\* 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.
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)

\* 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.
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)

\* 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.
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)

\* 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.
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
467 <i>You're the Chef</i>	A	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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)
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	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)

\* 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.
476 <i>Pathways to Culinary Success</i>	A	All 6 chapters, including at least 3 recipes or additional ideas for each chapter At least 3 learning experiences At least 1 leadership/citizenship/career activity Project record and project journal	See column to the left. Attend county judging (optional); Project presentation folder See state fair requirements on the right for county judging requirements  DO NOT BRING FOOD OR A PLACE SETTING TO COUNTY JUDGING.	Food and Nutrition Days: pencil, three pronged folder with completed "Portfolio" and a blank clipboard (optional)

## 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)	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned	Health 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.	County Requirements	State Fair Requirements See the 4-H State Fair Guidebook for complete details for non-livestock projects.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned	Health 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.	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Home Decorating and Design Day: completed project book, display (visuals and records), and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Home Decorating and Design Day: completed project book, display (an item constructed in the project, visuals to show how it helps make more pleasing and practical living spaces), and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Home Decorating and Design Day: completed project book, display (visuals and records), and interview
495 <i>Your First Home Away From Home</i>	A	All 4 interest areas At least 2 learning experiences At least 2 leadership/citizenship activities A notebook for planning and a project record	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Home Decorating and Design Day: completed project book, display (visuals and records), and interview

\* 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.
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## Leadership and Citizenship

370 <i>One on One</i>	A	At least 2 activities of first 3 interest areas At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Leadership Day: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Leadership Day: completed project book, display, and interview

\* 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.
374 <i>Teens on Board</i>	I	All 9 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Leadership Day: completed project record, display, and interview

\* 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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Leadership Day: completed project record, display, and interview

## Money Management

445 <i>Becoming Money Wise</i>	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event
448 <i>Teens . . . On the Road to Financial Success</i>	A	All 11 activities for Year 1 and for Year 2 At least 2 organized activities At least 2 leadership/citizenship activities	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event

\* 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.
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## Natural Resources

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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview

\* 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.
<b>The Natural World</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
620 <i>Why Trees Matter</i>	B	All 6 activities At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview

\* 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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview

\* 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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day II: completed project book, display, and interview
<b>Shooting Sports</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
631 <i>Basic Archery</i>	B	All 6 interest areas At least 2 organized activities At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified rifle instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview

\* 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.
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified archery instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified shotgun instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified pistol instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified hunting/wildlife instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified muzzleloader instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview

\* 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.
756 <i>Living History Member Record Book</i>	X	All project book activities, including planning, setting goals, record keeping, evaluation, and more <b>Must be enrolled in a Shooting Sports program under the direction of a certified shooting sports living history instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview
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 <b>Must be enrolled in a Shooting Sports program under the direction of a certified crossbow instructor</b>	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Natural Resources Day 1—Shooting Sports: completed project book, display, and interview

## 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview

\* 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.
503 <b>Rockets Away</b> (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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview
503M <b>Solid-Fuel Rocketry Master</b>	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview
<b>All-Terrain Vehicles (ATV)</b>				
555 <b>ATV Safety</b>	X	Safety pledge All 9 activities Practice pages Practice and riding record At least 2 learning experiences At least 2 leadership/citizenship activities	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event
<b>Bicycle</b>				
517 <b>Bicycling for Fun, Level I</b>	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event

\* 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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event
<b>Chemistry</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview
<b>Electricity</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was 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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview

\* 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.
529 <i>Wired for Power, Level 3</i>	I	At least 7 activities per year (3 Required Activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
530 <i>Entering Electronics, Level 4</i>	A	At least 7 activities per year (3 Required Activities and 4 Brain Boosters) At least 2 leadership experiences Planning Guide	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
<b>Energy</b>				
550 <i>Young Engineers in Solar Energy</i>	I	All 9 activities and all of the Talking It Over questions At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview

\* 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.
<b>Food Science</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview
<b>Electric Radio-Controlled Vehicles</b>				
504 <i>Electric Radio-Controlled Vehicles</i>	I	All 10 activities and 3 records Safety checklist At least 2 learning experiences At least 2 leadership/citizenship activities Project review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	No state fair event
<b>Knots</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
<b>Physics</b>				
500 <i>Science Fun with Physics</i>	B	All 12 experiments At least 2 learning experiences At least 2 leadership/citizenship activities Project Review	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	STEM Day: completed project book, display, and interview

\* 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.
<b>Robotics</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Refer to state fair guidelines in the right-hand column for details.	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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Refer to state fair guidelines in the right-hand column for details.	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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Refer to state fair guidelines in the right-hand column for details.	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.

\* 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.
<b>Small Engines and Lawn Care</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	Engineering Excitement Day: completed project book, display, and interview
<b>Tractor and Machinery Operation</b>				
551 <i>Starting Up: Getting to Know Your Tractor, Level A</i>	B	Complete all activities	See column to the left. Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional)	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events
552 <i>Tractor Operations: Gearing Up for Safety, Level B</i>	I	Complete all activities	See column to the left. Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional)	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events

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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.
553 <i>Moving Out: Learning About Your Tractor and Farm Machinery, Level C</i>	I	Complete all activities	See column to the left. Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional)	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events
554 <i>Learning More: Learning About Agricultural Tractors and Equipment, Level D</i>	A	Complete all activities	See column to the left. Participate in Tractor Certification Program (optional) Participate in Tractor Rodeo (optional)	Engineering—Tractor Day: written exam, parts identification, interview, obstacle course, two- and four-wheel driving events
<b>Welding</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned.	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).
<b>Woodworking</b>				
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Note: contact the Extension Office for a list of allowable 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.

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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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Note: contact the Extension Office for a list of allowable 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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Note: contact the Extension Office for a list of allowable 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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Note: contact the Extension Office for a list of allowable 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.

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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.
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	See column to the left. Attend county judging (optional); Completed project book Display (scrapbook, poster, etc.) that shows what was learned. Note: contact the Extension Office for a list of allowable 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.

## Self-Determined

365 <i>Self-Determined</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	See column to the left. Attend county judging (optional); Completed project book Display – refer to state fair guidelines for display requirements.	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 <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	See column to the left. Attend county judging (optional); Completed project book Display – refer to state fair guidelines for display requirements.	Workforce Preparation Day: registration form (mailed ahead of time); display; mock interview, including resume and appropriate attire; and interview
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