

Project Guide

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

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

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

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

Code	Title	Skill Level	State Fair	Supplement	Page #
About 4-H					
91	Discovering 4-H	B			
Animal Sciences					
Beef					
117	Beef Project and Record Book				10
	117B Beef Breeding	X	🎖️	📖	10
	117BF Beef Feeder	X	🎖️	📖	10
	117DF Dairy Beef Feeder	X	🎖️	📖	10
	117M Market Beef	X	🎖️	📖	10
Companion Animals and Rabbits					
200	All About Dogs	B	🎖️		10
201	Dog Project and Record Book				11
	201D You and Your Dog	X	🎖️	📖	11
	201O Obedience	X	🎖️	📖	11
	201S Showmanship	X	🎖️	📖	11
	201P Performance	X	🎖️	📖	11
	201W Working Dogs	X	🎖️	📖	11
202	Dog Achievement Program	X		📖	11

Code	Title	Skill Level	State Fair	Supplement	Page #
215	Cavy Project and Record Book	X	🎖️	📖	11
216	Purr-fect Pals, Level 1	B	🎖️		12
217	Climbing Up, Level 2	I	🎖️		12
218	Leaping Forward, Level 3	A	🎖️		12
220	Pocket Pets Project and Record Book	X	🎖️	📖	12
225	Breeding Rabbit Project and Record Book	X	🎖️	📖	12
226	Market Rabbit Project and Record Book	X	🎖️	📖	12
227	Pet Rabbit Project and Record Book	X	🎖️	📖	12
Dairy Cattle					
122	Dairy Heifer Project and Record Book	X	🎖️	📖	12
126	Dairy Cow Project and Record Book	X	🎖️	📖	12
Goats					
135	Goat Project and Record Book				13
	135BD Breeding—Dairy Goats	X	🎖️	📖	13
	135BM Breeding—Meat Goats	X	🎖️	📖	13
	135F Fiber Goats	X		📖	13
	135H Harness Goats	X		📖	13
	135M Market—Dairy, Meat, or Cross Goats	X	🎖️	📖	13
	135P Pack Goats	X		📖	13
	135PY Pygmy Goats	X		📖	13
	135C Companion—Pet Goats	X		📖	13
Horses					
173	Horseless Horse	B			13
174	Beginning Horse Management	B			13
175	Light Horse Selection	I		📖	13
177	Horse Training: How to Talk to Your Horse	I		📖	13
180	Learning to Jump	I		📖	13
181	Draft Horse	I		📖	13
182	Small Equine	I		📖	13
184	Standardbred Horses	I		📖	14

Code	Title	Skill Level	State Fair	Supplement	Page #
185	Equine Reproduction and Genetics	A			14
188	Trail Riding	I			14
189	Dressage	I			14
762	Horse Nutrition	A			14
Llamas and Alpacas					
132	Llama and Alpaca Project and Record Book	X			14
Poultry					
150	Poultry Project and Record Book				14
	150CE Chicken, Exhibition	X			14
	150CM Chicken, Market	X			14
	150CEP Chicken, Egg Production: Hens and Pullet	X			14
	150DE Duck, Exhibition	X			14
	150DM Duck, Market	X			14
	150GE Goose, Exhibition	X			14
	150GM Goose, Market	X			14
	150TE Turkey, Exhibition	X			14
	150TM Turkey, Market	X			14
	150H Helmeted Guinea Fowl	X			14
Sheep					
198	Market Lamb Project and Record Book	X			15
199	Sheep Breeding Project and Record Book	X			15
Swine					
139	Market Hog Project and Record Book	X			15
140	Swine Breeding Project and Record Book	X			15
Veterinary Science					
244	From Airedales to Zebras, Level 1	B			16
245	All Systems Go! Level 2	I			16
246	On the Cutting Edge, Level 3	A			16
Clothing and Textile Science					
406	Clothes for High School and College	A			17
407	Accessories for Teens	B			16
408	Creative Costumes	A			17

Code	Title	Skill Level	State Fair	Supplement	Page #
409	Sew Fun	B			16
410	Designed by Me	B			16
411	em•bel•lish: A 4-H Guide to Wearable Art	I			17
412	Sew for Others	I			17
413	Sundresses and Jumpers	B			16
415	Ready, Set, Sew Active	I			17
417	Dress-Up Outfit	A			17
418	Loungewear	X			17
419	Terrific Tops	B			16
420	Outerwear for Anywhere	A			17
424	Clothing for Middle School	I			17
425	Look Great for Less	A			18
426	Clothing for Your Career	A			18
430	Shopping Savvy	I			17
432M	Sewing and Textiles (non-Clothing) Master	A			18
Communication					
377	Finding Your Voice: Public Speaking Made Easy	B			18
Creative and Leisure Arts					
Cake Decorating					
492	Cake Decorating Project and Record Book	X			18
Collecting					
496	My Favorite Things	B			18
Fine Arts					
498	Quilting the Best Better	I			19
499	You Can Quilt!	I			19
592	Get Started in Art	X			19
593	Seeing Through Graphic Design	I			19
Genealogy					
442	Family History Treasure Hunt	X			19
Photography					
584	Focus on Photography, Level 1	B			19
585	Controlling the Image, Level 2	I			19
586	Mastering Photography, Level 3	A			19
589M	Photography Master	A			19

Code	Title	Skill Level	State Fair	Supplement	Page #
Scrapbooking					
497	Scrapbooking: A 4-H Guide to Preserving Memories	B			19
Writing					
588	The Writer in You	I			19
Food and Nutrition					
459	Let's Start Cooking	B			20
461	Let's Bake Quick Breads	I			20
462	Yeast Breads on the Rise	A			21
463	Sports Nutrition: Ready, Set, Go!	I			20
467	You're the Chef	A			21
469	Global Gourmet	A			21
472	Grill Master	I			20
474	Beyond the Grill	A			21
475	Star Spangled Foods	I			20
476	Pathways to Culinary Success	A			21
477	Party Planner: A 4-H Guide to Quantity Cooking	I			20
481	Everyday Food and Fitness	B			20
484	Snack Attack!	B			20
485	Racing the Clock to Awesome Meals	I			21
486	Dashboard Dining: A 4-H Guide to Healthful Fast Food Choices	I			21
487	Take a Break for Breakfast	B			20
Healthy Living					
300	You're the Athlete	I			21
351	Staying Healthy	B			21
352	Keeping Fit	I			21
353	First Aid in Action	B			21
357	Alcohol and Drug Abuse	A			21
358	The Truth About Tobacco	A			22
359	Your Thoughts Matter	A			22
Home Living					
405	The Laundry Project	B			22
491	It's My Home	B			22
494	Makeover My Space	I			22
495	Your First Home Away From Home	A			22

Code	Title	Skill Level	State Fair	Supplement	Page #
Leadership and Citizenship					
370	One on One	A			22
371	Club Leadership 1	I			22
372	Diversity: The Source of Our Strength	A			23
373	My Hands to Larger Service: Teen Leaders Building Our Communities	A			23
374	Teens on Board	I			23
375	Leadership Road Trip: Where Are You Going?	I			23
375i	Leadership Road Trip iBook	I			23
376	Pantry Panic	A			23
378M	Leadership Master	A			23
383	Club Leadership 2	A			23
Money Management					
445	Becoming Money Wise	B			23
448	Teens On the Road to Financial Success	A			23
Natural Resources					
Gardening and Plant Science					
670	Canning and Freezing	I			24
671	How Does Your Garden Grow?	B			24
691	Grow Your Own Vegetables	B			24
692	Growing with the Seasons	I			24
The Natural World					
611	Explore the Outdoors	B			24
612	Geology: Can You Dig It?	B			24
617	Exploring Ponds	A			24
620	Why Trees Matter	B			24
621	Ohio Birds	X			24
622	Trapping Muskrats in Ohio	I			24
623	Outdoor Adventurer: Beginning Fishing	B			24
624	Outdoor Adventurer: Intermediate Fishing	I			24
641	Beekeeping Project and Record Book	X			25
644	Insect Adventures 1	B			25
645	Insect Adventures 2	I			25
646	Insect Adventures 3	A			25
Shooting Sports					
630	Safe Use of Guns	B			25
631	Basic Archery	B			25

Code	Title	Skill Level	State Fair	Supplement	Page #
Science, Technology, Engineering, and Math					
Aerospace Science					
501	Rockets Away (2-liter Bottles)	B	🟢		25
502	Science Fun with Flight	B	🟢		25
503	Rockets Away (Solid-Fuel Model Rockets)	B	🟢		25
503M	Solid-Fuel Rocketry Master	A	🟢		25
All-Terrain Vehicles (ATV)					
555	ATV Safety	A			26
Bicycle					
517	Bicycling for Fun, Level 1	B			26
518	Wheels in Motion, Level 2	I			26
Chemistry					
493	Science Fun with Kitchen Chemistry	B	🟢		26
Electricity					
527	Magic of Electricity, Level 1	B	🟢		26
528	Investigating Electricity, Level 2	I	🟢		26
529	Wired for Power, Level 3	I	🟢		26
530	Entering Electronics, Level 4	A	🟢		27
531	Science Fun with Electricity	B	🟢		27
Energy					
550	Young Engineers in Solar Energy	I	🟢		27
Food Science					
490	Science Fun with Dairy Foods: The Case of the Missing Milk	B	🟢		27
Electric Radio-Controlled Vehicles					
504	Electric Radio-Controlled Vehicles	I			27
Knots					
540	Not Just Knots	X	🟢		27
Physics					
500	Science Fun with Physics	B	🟢		27
Robotics					
507	Robotics 1 with EV3	I	🟢		27
508	Robotics 2: EV3N More	A	🟢		28
512M	Robotics Master	A	🟢		28

Code	Title	Skill Level	State Fair	Supplement	Page #
Small Engines					
541	Crank It Up, Level 1	B	🟢		28
542	Warm It Up, Level 2	I	🟢		28
543	Tune It Up, Level 3	A	🟢		28
Tractor and Machinery Operation					
551	Starting Up: Getting to Know Your Tractor, Level A	B	🟢		28
552	Tractor Operations: Gearing Up for Safety, Level B	I	🟢		28
553	Moving Out: Learning About Your Tractor and Farm Machinery, Level C	I	🟢		28
554	Learning More: Learning About Agricultural Tractors and Equipment, Level D	A	🟢		28
561	National Safe Tractor and Machinery Operation Program, Student Manual	A	🟢		29
Welding					
573	Arcs and Sparks—Shielded Metal Arc Welding	I	🟢		29
Woodworking					
556	Measuring Up, Level 1	B	🟢		29
557	Making the Cut, Level 2	I	🟢		29
558	Nailing It Together, Level 3	I	🟢		29
559	Finishing Up, Level 4	A	🟢		29
560M	Woodworking Master	A	🟢		29
Self-Determined					
365	Self-Determined	X	🟢		30
365.01	Astronomy	X	🟢		30
365.02	Model Railroading	X	🟢		30
365.03	Weather	X	🟢		30
365.04	Clowning	X	🟢		30
365.05	Rocks, Minerals, and Fossils	X	🟢		30
365.06	American Sign Language	X	🟢		30
365.07	Computers	X	🟢		30
365.08	Discovering Genetics	X	🟢		30
365.09	Canoeing	X	🟢		30
365.10	Local Food	X	🟢		30
365.11	Camp Counseling	X	🟢		30
365.12	Miniature Gardens	X	🟢		30
365.13	Reptiles and Amphibians	X	🟢		30
365.14	Climate Change	X	🟢		30
365.15	Music	X	🟢		30

