# 2016 Belmont County 4-H Project Book & Resources

## Advisor Order Form

<table>
<thead>
<tr>
<th>Club:</th>
<th>Contact Person:</th>
<th>Phone or Email:</th>
<th>Total Number of Project Books Ordered:</th>
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</thead>
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### Animal Science

#### Beef

<table>
<thead>
<tr>
<th>Project</th>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>(117) Beef Project and Record Book</td>
<td>117B Beef Breeding</td>
<td>117F Beef Feeder</td>
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<tr>
<td></td>
<td>117DF Dairy Beef Feeder</td>
<td>117M Market Beef</td>
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<thead>
<tr>
<th>Project</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>(117R) Beef Resource Handbook</td>
<td>(Required Supplement for Beef Projects-One-Time Purchase)</td>
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<tr>
<td>(103R) Beef, Sheep, and Swine Selection and Evaluation</td>
<td>(Optional Supplement for Beef Projects-One-Time Purchase)</td>
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<tr>
<td>(104R) Pennsylvania Livestock Judging Manual</td>
<td>(Optional Supplement for Beef Projects-One-Time Purchase)</td>
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#### Dairy Cattle

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<thead>
<tr>
<th>Project</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>(122) Dairy Heifer Project and Record Book</td>
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<tr>
<td>(126) Dairy Cow Project and Record Book</td>
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</tr>
<tr>
<td>(127R) Dairy Resource Handbook</td>
<td>(Required Supplement for Dairy Heifer or Dairy Cow Projects-One-Time Purchase)</td>
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</tbody>
</table>

**Online Only** Dairy Judging: Practice exercises and resources -- [holsteinfoundation.org](http://holsteinfoundation.org)

**Online Only** Showring Ready Guide -- [holsteinfoundation.org](http://holsteinfoundation.org)

#### Goats

<table>
<thead>
<tr>
<th>Project</th>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>(135) Goat Project and Record Book</td>
<td>135BD Breeding--Dairy Goats</td>
<td>135BM Breeding--Meat Goats</td>
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<td></td>
<td>135F Fiber Goats</td>
<td>135H Harness Goats</td>
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<tr>
<td></td>
<td>135M Market--Dairy, Meat, or Cross Goats</td>
<td>135P Pack Goats</td>
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<tr>
<td></td>
<td>135PY Pygmy Goats</td>
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<tr>
<td></td>
<td>135C Companion--Pet Goats (Animal can be any breed and any sex, but it is kept as a pet and not enrolled in any other project category.)</td>
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<thead>
<tr>
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<tbody>
<tr>
<td>(135R) Goat Resource Handbook</td>
<td>(Required Supplement for Goat Projects-One-Time Purchase)</td>
<td></td>
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</tbody>
</table>
**Horse**

- (173) Horseless Horse
- (174) Beginning Horse Management
- (175) Light Horse Selection
- (177) Horse Training: How to Talk to Your Horse (Publication and CD)
- (180) Learning to Jump
- (181) Draft Horse
- (184) Standardbred Horses
- (185) Equine Reproduction and Genetics
- (188) Trail Riding
- (189) Dressage
- (762) Horse Nutrition
- (190R) Equine Record Book *(Required Supplement for Projects 175, 177, 180, 181, 184, 185, 188, 189, and 762 - Complete one Record book every year)*
- (191R) Horses, Safety, and You: How to Work With and Around a Horse Safely *(Required for all 4-H Members and their Parents-One Time Purchase)*
- (179) Uniform Rules for 4-H Horse Shows *(Helper and Youth Supplement for Horse Projects)*
- (e179) Uniform Rules for 4-H Horse Shows - *(PDF Link)*

**Poultry**

- (150) Poultry Project and Record Book
  - 150CE -- Chicken, Exhibition
  - 150CM -- Chicken, Market
  - 150CEP -- Chicken, Egg Production: Hens & Pullet
  - 150DE -- Duck, Exhibition
  - 150DM -- Duck, Market
  - 150GE -- Goose, Exhibition
  - 150GM -- Goose, Market
  - 150TE -- Turkey, Exhibition
  - 150TM -- Turkey, Market
  - 150H -- Helmeted Guinea Fowl

- (150R) Poultry Resource Handbook *(Required Supplement for Poultry Projects-One-Time Purchase)*
- (154R) National 4-H Poultry Judging *(Optional Supplement for Poultry Projects-One-Time Purchase)*

*Online Only* The American Standard of Perfection 2010 -- [amerpoultryassn.com](http://amerpoultryassn.com)

*Online Only* The Bantam Standard 2011 -- [bantamclub.com](http://bantamclub.com)

**Rabbits**

- (225) Breeding Rabbit Project and Record Book
- (226) Market Rabbit Project and Record Book
- (227) Pet Rabbit Project and Record Book *(Companion Animals - Not Shown at Fair)*
- (228R) Rabbit Resource Handbook for Market, Breeding, and Pet Rabbit Projects *(Required Supplement for Rabbit Projects-One-Time Purchase)*

*Online Only* The Standard of Perfection 2011-2015 -- [arba.net](http://arba.net)
Sheep

____ (198) Market Lamb Project and Record Book
____ (199) Sheep Breeding Project and Record Book
____ (194R) Sheep Resource Handbook for Market and Breeding Projects (Required Supplement for Sheep Projects-One-Time Purchase)
____ (103R) Beef, Sheep, and Swine Selection and Evaluation (Optional Supplement for Sheep Projects-One-Time Purchase)

**Online Only** (104R) Pennsylvania Livestock Judging Manual (Optional Supplement for Sheep Projects) -- ohio4h.org/publications

Swine

____ (139) Market Hog Project and Record Book
____ (140) Swine Breeding Project and Record Book
____ (134R) Swine Resource Handbook for Market and Breeding Projects (Required Supplement for Swine Projects-One-Time Purchase)
____ (103R) Beef, Sheep, and Swine Selection and Evaluation (Optional Supplement for Swine Projects-One-Time Purchase)

**Online Only** (104R) Pennsylvania Livestock Judging Manual (Optional Supplement for Swine Projects) -- ohio4h.org/publications

Llama and Alpaca -- Companion Animals (Not Shown at Fair)

____ (132) Llama and Alpaca Project and Record Book
____ (132R) Llama and Alpaca Resource Handbook (Required Supplement for Llama and Alpaca Projects-One-Time Purchase)

Dog -- Companion Animals (Not Shown at Fair)

____ (201) Dog Project and Record Book
  201D You and Your Dog
  201O Obedience
  201S Showmanship
  201P Performance
  201W Working Dog

____ (201R) Dog Resource Handbook (Required Supplement for Dog Projects-One-Time Purchase)
____ (202) Dog Achievement Program (Also available free online) -- ohio4h.org/publications

Cavy -- Companion Animals (Not Shown at Fair)

____ (215) Cavy Project and Record Book

**Online Only** The Standard of Perfection 2011-2015 -- arba.net

Cat -- Companion Animals (Not Shown at Fair)

____ (216) Purr-fect Pals: Level 1
____ (217) Climbing Up! Level 2
____ (218) Leaping Forward: Level 3

Pocket Pets -- Companion Animals (Not Shown at Fair)

____ (220) Pocket Pets Project and Record Book
____ (220R) Pocket Pets Resource Handbook (Required Supplement for Pocket Pet Projects-One-Time Purchase)
### Veterinary Science

- (244) From Airedales to Zebras: Level 1-Veterinary Science Project Activity Guide Grades 3-5
- (245) All Systems Go!: Level 2-Veterinary Science Project Activity Guide Grades 6-8
- (246) On the Cutting Edge: Level 3-Veterinary Science Project Activity Guide Grades 6-8

### Child and Family Development

- (434) Growing On My Own: Step 1
- (435) Growing With Others: Step 2
- (436) Growing In Communities: Step 3
- (442) Family History Treasure Hunt Grades 3-5

### Clothing and Textile Science

#### Beginning-Level

- (407) Accessories for Teens Grades 3-5
- (409) Sew Fun! Grades 3-5
- (410) Fun with Clothes Grades 3-5
- (413) Sundresses and Jumpers Grades 3-5
- (419) Tops for Tweens Grades 3-5

#### Intermediate-Level

- (411) embellish: A 4-H Guide to Wearable Art Grades 3-5
- (412) Sew for Others Grades 3-5
- (415) Active Sportswear Grades 3-5
- (418) Loungewear Grades 3-5
- (424) Clothing for Middle School Grades 3-5
- (430) Shopping Savvy Grades 3-5

#### Advanced-Level

- (406) Clothes for High School and College Grades 3-5
- (408) Creative Costumes Grades 3-5
- (417) Dress-Up Outfit Grades 3-5
- (420) Outerwear for Anywhere Grades 3-5
- (425) Look Great for Less Grades 3-5
- (426) Clothing for Your Career Grades 3-5

*Online Only (431M) Clothing Master: Design and Construction-- [ohio4h.org/publications](http://ohio4h.org/publications)*

*Online Only (432M) Sewing and Textiles (non-Clothing) Master-- [ohio4h.org/publications](http://ohio4h.org/publications)*

### Communication

- (377) Finding Your Voice: Public Speaking Made Easy Grades 3-5

*Online Only (909R) Demonstrations (Optional Supplement for Communication Projects) -- [ohio4h.org/publications](http://ohio4h.org/publications)*
Creative And Leisure Arts

**Cake Decorating**

____ (492) Cake Decorating Project and Record Book
____ (492R) Cake Decorating Resource Handbook *(Required Supplement for Cake Decorating-One-Time Purchase)*

**Collecting**

____ (496) My Favorite Things

**Fine Arts**

____ (498) Quilting the Best Better!
____ (499) You Can Quilt!
____ (592) Get Started in Art

**Photography**

____ (584) Focus on Photography: Project Book and Photo Journal-Level 1
____ (585) Controlling the Image: Project Book and Photo Journal-Level 2
____ (586) Mastering Photography: Project Book and Photo Journal-Level 3

**Scrapbooking**

____ (497) Scrapbooking: A 4-H Guide to Preserving Memories

**Theater Arts**

____ (596) Play the Role
____ (597) Become a Puppeteer!
____ (598) Set the Stage

**Writing**

____ (587) Writing and Reporting for Teenagers
____ (588) The Writer in You

**Food and Nutrition**

**Beginning-Level**

____ (459) Let's Start Cooking
____ (483) Sports Nutrition 1: On Your Mark!
____ (484) Snack Attack!
____ (487) Fast Break for Breakfast

**Intermediate-Level**

____ (461) Let's Bake Quick Breads
____ (463) Sports Nutrition 2
____ (472) Grill Master
____ (475) Star Spangled Foods
____ (477) Party Planner: A 4-H Guide to Quantity Cooking
____ (485) Racing the Clock to Awesome Meals
____ (486) Dashboard Dining

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Online Only *(589M) Photography Master—ohio4h.org/publications*
<table>
<thead>
<tr>
<th>Advanced-Level</th>
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<tbody>
<tr>
<td>(462) Yeast Breads on the Rise</td>
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<tr>
<td>(467) You’re the Chef</td>
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<td>(469) Global Gourmet</td>
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<td>(474) Beyond the Grill</td>
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<td>(476) Pathways to Culinary Success</td>
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<th>Healthy Living</th>
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<tbody>
<tr>
<td>(300) You’re the Athlete</td>
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<tr>
<td>(351) Staying Healthy</td>
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<tr>
<td>(352) Keeping Fit: Fitness Activities for Youth</td>
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<tr>
<td>(353) First Aid in Action: First Aid Activities for Youth</td>
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<tr>
<td>(357) Alcohol and Drug Abuse</td>
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<td>(358) The Truth About Tobacco</td>
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<thead>
<tr>
<th>Home Living</th>
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<tbody>
<tr>
<td>(405) The Laundry Project</td>
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<tr>
<td>(491) Adventures In Home Living</td>
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<tr>
<td>(494) Makeover My Space</td>
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<td>(495) Your First Home Away From Home</td>
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<th>Leadership and Citizenship</th>
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<tbody>
<tr>
<td>(370) One on One</td>
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<tr>
<td>(371) Club Leadership 1</td>
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<tr>
<td>(372) Diversity: The Source of Our Strength</td>
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<td>(373) My Hands to Larger Service</td>
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<td>(374) Teens on Board</td>
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<td>(375) Leadership Road Trip: Where Are You Going?</td>
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<td>(376) Pantry Panic</td>
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<tr>
<td>(378M) Leadership Master</td>
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<td>(511R) Carteens Member Project Guide</td>
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<thead>
<tr>
<th>Money Management</th>
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<tr>
<td>(445) Becoming Money Wise: Levels I and II</td>
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<tr>
<td>(448) Teens on the Road to Financial Success</td>
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<th>Natural Resources</th>
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<tbody>
<tr>
<td>Gardening and Plant Science</td>
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<tr>
<td>(670) Canning and Freezing</td>
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<tr>
<td>(671) How Does Your Garden Grow?</td>
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<tr>
<td>(691) Grow Your Own Vegetables</td>
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<tr>
<td>(692) Growing With the Seasons</td>
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</table>
The Natural World

- (611) Explore the Outdoors
- (617) Exploring Ponds
- (620) Why Trees Matter
- (621) Ohio Birds
- (622) Trapping Muskrats in Ohio
- (623) Fishing for the Beginner
- (624) Fishing for the Intermediate
- (641) Beekeeping Project and Record Book
- (644) Teaming with Insects, Level 1
- (645) Teaming with Insects, Level 2
- (646) Teaming with Insects, Level 3

Shooting Sports

- (630) Safe Use of Guns
- (631) Basic Archery

Science, Technology, Engineering, and Math (STEM)

Aerospace Science

- (501) Rockets Away!: A Fun Approach to Exploring the Science of Rocketry (2-liter bottles)
- (502) Science Fun With Flight
- (503) Rockets Away!: A Fun Approach to Exploring the Science of Rocketry (Solid-Fuel Model Rockets)

All-Terrain Vehicles (ATV)

- (555) ATV Safety

Bicycle

- (517) Bicycling for Fun
- (518) Wheels in Motion

Chemistry

- (493) Science Fun with Kitchen Chemistry

Electricity

- (527) Magic of Electricity: Electric 1
- (528) Investigating Electricity: Electric 2
- (529) Wired for Power: Electric 3
- (530) Entering Electronics: Level 4
- (531) Science Fun with Electricity

Food Science

- (490) Science Fun with Dairy Foods: The Case of the Missing Milk
### Workforce Preparation

___ (365) Self-Determined Project Guide - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)

#### Idea Starters

___ (365.01) Astronomy - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.02) Model Railroading - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.03) Weather - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.04) Clowning - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.05) Rocks, Minerals, and Fossils - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.06) American Sign Language - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.07) Computers - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.08) Discovering Genetics - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.09) Canoeing - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.10) Local Food: Does It Matter What You Eat? - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.11) Camp Counseling - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.12) Miniature Gardens - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.13) Reptiles and Amphibians - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.14) Climate Change - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.16) Viruses, Bacteria, and Fungi, Oh My! - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.17) Babysitting - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.18) Ways of Knowing Water - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.19) The Work World is Calling...Are You Ready? - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.21) Skateboarding - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.22) Pigeons - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.23) Native American Artifacts: Arrowheads - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.24) Shale Gas Extraction - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.25) Flower Gardening - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.26) Hedgehogs - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.27) Ferrets - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.28) Chinchillas - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)
___ (365.29) Water Quality: Field to Faucet - [ohio4h.org/selfdetermined](http://ohio4h.org/selfdetermined)

### County Level Projects

___ (009) Flower Arranging
___ (1002) Pies
___ (1005) Candy Making
___ (1007) Cookies