



2022-2023 Douglas County 4-H Project List



COLORADO STATE UNIVERSITY
EXTENSION

State 4-H Projects

For more info: Colorado4h.org

All projects may be taken by Junior, Intermediate, and Senior members unless otherwise indicated by (*).

| | | |
|------------------|----------------------|-------------------|
| Juniors | Intermediates | Seniors |
| Ages 8-10 | Ages 11-13 | Ages 14-18 |

Ages as of December 31, 2022

Curriculum names are in italics and may not reflect actual exhibit requirements. Many manuals can be ordered at shop4h.org.

Project Tip Sheets:
co4h.colostate.edu/program-areas/colorado-4-h-project-information/

Animal Science Projects:

Beef

Breeding Beef
Market Beef
Beef Resource Handbook

Cats

Unit 1 – *Purr-fect Pals*
Unit 2 – *Climbing Up*
Unit 3 – *Leaping Forward*
Cat Helper's Guide

Dairy Cattle

Dairy Resource Handbook

Dog

Dog Resource Handbook

Goats

Breeding, Market, Dairy, Fiber, Pygmy, Utility
Goat Resource Handbook

Horse

4-H Horse Project
Horse Show Rulebook at
Co4h.colostate.edu/program-areas/animals

Horseless Horse

4-H Horse Project
Unit 1 - *Making Horse Sense*
Unit 2 - *Hooves, Health & Horsemanship*
Unit 3 - *Breaking Ground*
Unit 4 - *Brushing Up on Horses*

Poultry

Breeding Chickens, Market Chickens, Show Birds, Breeding Turkeys, Market Turkeys, Ducks, Geese, Pigeons & Game Birds
Poultry Resource Handbook at
Co4h.colostate.edu/program-areas/animals

Rabbits

Breeding/Show
Market
Companion (Pet)
Rabbit Resource Handbook for Breeding, Market, and Pet Rabbit Projects

Sheep

Breeding Sheep
Market Sheep
Sheep Resource Handbook for Market & Breeding Projects

Swine

Breeding Swine
Market Swine
Swine Resource Handbook for Market & Breeding Projects

Veterinary Science

Unit 1 – *From Airedales to Zebras*
Unit 2 – *All Systems Go!*
Unit 3 – *On the Cutting Edge*
Vet Science Helper's Guide

Communication, Arts & Leisure Sciences Projects:

Ceramics

Unit 1 – Glazes
Unit 2 – Underglazes
Unit 3 – Overglazes
Unit 4 – Unfired Finishes
Unit 5 – Porcelain Dolls
Unit 6 – Hand-Constructed with Stone or Earthenware
Ceramics All Units

Filmmaking

Animation, Narrative, Documentary, Promotional, Voices of 4-H History
4-H Filmmaking Workshop DVD
Movie Magic

Global Citizenship

Study of Another Country
Hosting a Delegate from Another Country
*Youth Counselor (Int./Sr.)
*Exchange Delegate to Another Country (Int./Sr.)
Global Citizenship

Leadership

**Leadership Skills You Never Outgrow* (Jr Only)
**Leadership Road Trip* (Int./Sr.)
*Put Leadership to Practice/*Club Leadership 1* (Int./Sr.)
*Refining Leadership Skills/*Club Leadership 2* (Sr.)
*Community Service Project/*My Hands to Larger Service* (Sr.)

Leathercraft

Unit 1 - Introduction to Leathercraft and Creative Stamping
Unit 2 - Beginning Leather Carving
Unit 3 - Intermediate Leather Carving
Unit 4 - Advanced Stamping
Unit 5 - Advanced Leather Carving
Unit 6 - Sewing Leather
Unit 7 - Braiding and Un-tooled Leather
Unit 8 - Master Leathercraft
Unit 9 - Making and Rebuilding Saddles
4-H Leathercraft Manual - Available Dec. 2022

Leathercraft Leader's Guide

Photography

Unit 1 – *Photography Basics*
Unit 2 – *Photography Basics (2nd Year)*
Unit 3 – *Next Level Photography*
Unit 4 – *Mastering Photography*
Unit 5– *Low Light Photography*
Unit 6 – *Advanced Photography*

Scrapbooking

One Page Layout, Two Page Layout, Album, *Tag Making (Jr.), and *Card Making (Int./Sr.)
Scrapbooking

Visual Arts

Portfolio Pathways-Painting, Printing
Sketchbook Crossroads-Drawing, Fiber & Sculpture

Family Consumer Science Projects:

Artistic Clothing

Upcycle Your Style (Applied, Stitched, Combination Design)
Unit 4 - Recycled Clothing
Unit 5 - Creative Sewing (Costumes, Other Items)
*Unit 6 - Buymanship (Int./Sr.)
*Unit 7 - Create Your Own (Int./Sr.)
STEAM Activity-Beyond the Needle
Optional Wearthec manuals available

Cake Decorating*

Unit 1 – Edible Cake Decorating
Unit 2 – Single Layered Cake
Unit 3 – Two Layered Cake with Tips
Cake Decorating, Units 1-3
Unit 4 – Character Cakes
Unit 5 – Small Treats
Unit 6 – Cut-Up Cakes
Cake Decorating, Units 4-6
*Unit 7 – Flat Surface & Nail Flowers (Int./Sr.)
*Unit 8 – Fondant (Int./Sr.)
*Unit 9 – Lily Nail Flowers (Int./Sr.)
Cake Decorating, Units 7-9
*Unit 10 – Tiered Cakes (Sr. only)
*Unit 11 – Molds (Sr. only)
*Unit 12 – Create Your Own (Sr. only)
Cake Decorating, Units 10-12

Updated 10.28.2022



Clothing Construction

- Unit 1 – *STEAM Clothing 1 Fundamentals*
- Unit 2 – *STEAM Clothing 2 Simply Sewing*
- *Unit 3 – *STEAM Clothing 3 A Stitch Further, 4-H Textile Experiments (Int./Sr.)*
- Unit 4 – *Sewing for Others*

Foods and Nutrition

- Unit 1 – *Cooking 101*
- Unit 2 – *Cooking 201*
- Unit 3 – *Cooking 301*
- Unit 4 – *Cooking 401*
- 4-H Cooking Helper's Guide*

Specialty Foods

- Unit 5 – *Outdoor Cooking & Living*
- *Unit 6 – *Cultural & Ethnic Foods (Int./Sr.)*
- *Unit 7 – *Passport to Foreign Cookery (Int/Sr)*

Food Preservation

- Unit 1 - *Drying*
- Unit 2 - *Freezing*
- Unit 3 - *Boiling Water Canning*
- *Unit 4 - *Pressure Canning (Int./Sr.)*

Heritage Arts

- Crochet Units 1-3 The 4-H Crochet Handbook*
- Knitting Units 1-3 The 4-H Knitting Handbook*
- Miscellaneous Fiber (Needle Arts, Weaving, Spinning, Felted Bags, Batiked Fabric, Hooked Pillows, Ethnic Arts, Rug Making, Macrame, etc.)*
- Miscellaneous Non-Fiber (Beading, Silver Smithing, Paper Scrolling, etc.)*
- Quilting – Unit 1 You Can Quilt*
- Quilting– Units 2-6 Quilting the Best Better*

Home Design & Decor

- Unit 1
- Unit 2
- Unit 3
- Unit 4

Mechanical Sciences Projects:

Computer Science

- Discovering Computer Science & Programming Through Scratch Level 1 Level 1 Facilitator Guide*
- **Discovering Computer Science & Programming Through Scratch Level 2 (Int./Sr.)*
- **Discovering Computer Science & Programming Through Scratch Level 3 (Int./Sr.)*
- **Computers in the 21st Century (Int./Sr.)*

Electricity

- Unit 1 – *Magic of Electricity*
- Unit 2 – *Investigating Electricity*
- Unit 3 – *Wired for Power*
- *Unit 4 – *Entering Electronics (Sr Advanced)*
- Electric Group Helper's Guide*

Metalworking

- Unit 1 – *Introduction to Welding*
- Unit 2 – *Metal Fabrication*
- Unit 3 – *Advanced Metal Fabrication*
- Unit 4 – *Large Exhibit Fabrication*
- Arcs & Sparks, Units 1-3*

Model Rocketry

- Unit 1 – *Introduction*
- Unit 2 – *Basic*
- Basic Model Rocketry Units 1 & 2*
- Unit 3 – *Intermediate*
- Unit 4 – *Advanced*
- Unit 6 – *Designer*

Robotics & Engineering

- Unit 1 – *Give Robots a Hand*
- Unit 2 – *Robots on the Move*
- Unit 3 – *Mechatronics*
- Unit 4 – *Robotics Platforms Beginners*
- Unit 5 – *Robotics Platforms Intermediate*
- Unit 6 – *Robotics Platforms Advanced*
- Unit 7 – *Team Robotics*
- Youth Robotics Notebook*
- Robotics with EV3*

Small Engines

- Unit 1 – *Crank It Up*
- Unit 2 – *Warm It Up*
- Unit 3 – *Tune It Up*
- Unit 4 – *Advanced Engines: Self-Determined*
- Small Engines Helper's Guide*

Woodworking

- Unit 1 – *Measuring Up*
- Unit 2 – *Making the Cut*
- Unit 3 – *Nailing It Together*
- Unit 4 – *Finishing Up*
- Woodworking Wonders Helper's Guide*

Natural Resources Projects:

Beekeeping

- Unit 1 – *Beekeeping Division 1*
- Unit 2 – *Beekeeping Division 2*
- Unit 3 – *Beekeeping Division 3*
- *Unit 4 – *Advanced Beekeeping (Int./Sr.)*

Entomology

- Teaming with Insects – Level 1*
- Teaming with Insects – Level 2*
- Teaming with Insects – Level 3*
- Teaming with Insects Facilitator's Guide*

Gardening

- Unit 1 – *See Them Sprout*
- Unit 2 – *Let's Get Growing!*
- Unit 3 – *Take Your Pick*
- *Unit 4 – *Growing Profits (Sr. only)*
- Gardening Helper's Guide*

Outdoor Adventures

- Unit 1 – *Hiking Trails*
- Unit 2 – *Camping Adventures*
- Unit 3 – *Backpacking Expeditions*
- Outdoor Adventure Helper's Guide*

Shooting Sports

- Air Rifle*
- Archery – Basic Archery*
- .22 Rifle – 4-H Rifle*
- .22 Pistol – 4-H Pistol*
- Shotgun – 4-H Shotgun*
- Muzzleloading*
- Air Pistol*
- Outdoor Skills*
- Western Heritage – 4-H Western Heritage Project*

Sportfishing

- Unit 1 – *Take the Bait*
- Unit 2 – *Reel in the Fun*
- Unit 3 – *Cast into the Future*
- Sportfishing Helper's Guide*

Wildlife

- Unit 1 – *The Worth of Wild Roots*
- Unit 2 – *Living Wild in an Ecosystem*
- Unit 3 – *Managing in a World with You and Me*
- Wildlife Stand Alone*

Douglas County Projects and Activities

(Not Eligible for State)

County Projects

- *Alpaca/Llama*
- *Cavy*
- *Discovering 4-H*
- *Pocket Pets*
- *Miniature Horse*

Self-Determined

Design your own project. This can be any project that is not offered by 4-H (examples astronomy, dinosaurs, jewelry, science fair projects, etc.)

Activities - Dependent upon having a qualified and approved leader, as well as enough members to meet enrollment requirements. Contact office for details.

- *Horse judging - All ages*
- *Horse Bowl - All ages*
- *Hippology - All ages*
- *Livestock judging - All ages*
- *Livestock Bowl - All ages*
- *Meat Judging - All ages*
- *Rabbit Judging - All ages*
- *Consumer Choices Judging/Bowl - All ages*
- *4-H Exchange Travel - Ages 14-18*

Cloverbuds (Ages 5-7 Years):

Cloverbuds: A 4-H Discovery Program for 6-8 Year Olds
Cloverbuds Activity Package

Colorado State University, U.S Department of Agriculture and Colorado counties cooperating. To simplify technical terminology, trade names or products and equipment occasionally will be used. No endorsement of product names is intended nor is criticism implied of products not mentioned.

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