

2024-2025 El Paso County 4-H Projects

Juniors 8-10 years

Intermediates 11-13 years

Seniors 14-18 years

All projects may be taken by Jr., Int., and Sr. members unless otherwise indicated by (*).

Curriculum names are in italics and may not reflect actual exhibit requirements.

For more info go to:

<https://co4h.colostate.edu/colorado-4-h-project-information/>

New or renamed state projects or curriculum are highlighted in yellow.

Additional Projects Offered in El Paso County

** Projects highlighted in green are County Level projects, and are NOT eligible to advance to State level competition.

Animal Projects:

Beef

Breeding Beef
Market Beef
Beef Resource Handbook
Breeding Beef Supplement

Camelid (Llama/Alpaca)

Llama and Alpaca Resource Handbook

Cats

Cavy (Guinea Pig)

Cavy Resource Handbook

Dairy Cattle

Dairy Resource Handbook

Dog

Dog Resource Handbook

Obedience, Rally, Showmanship Supplements

Goats

Breeding, Market, Dairy, **Pygmy**
Goat Resource Handbook

Horse

Miniature Horse

Donkey/Mule

4-H Horse Project
Horse Show Rulebook
and more at Colorado4h.org

Pocket Pets

Poultry

Breeding Chickens, Market Chickens, Show Birds, Breeding Turkeys, Market Turkeys, Duck, Geese, Pigeons, Game Birds
Poultry Resource Handbook
and more at Colorado4h.org

Rabbit

Breeding/Show
Market
Companion (Pet)

Rabbit Resource Handbook for Breeding, Market, and Pet Rabbit Projects and more at Colorado4h.org

Sheep

Breeding Sheep
Market Sheep
Sheep Resource Handbook for Market & Breeding Projects, Ewe Supplement

Swine

Breeding Swine
Market Swine
Swine Resource Handbook for Market & Breeding Projects, Sow Supplement

Animal Science Projects:

Cats

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

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*

Pocket Pets

Unit 1- *Pet Pals*
Unit 2 -*Scurry Ahead*
Unit 3- *Scaling the Heights*

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
*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 Leather Carving
Unit 5 - Advanced Stamping
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, Project Guide, 16 Instructional Videos
Updated Leader Guide-Coming Soon

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 (Int./Sr.) Supplement, Field Guide*

Scrapbooking

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

Visual Arts

Portfolio Pathways – Painting and Printing
Portfolio Pathways – Graphic Design
Sketchbook Crossroads – Drawing
Sketchbook Crossroads – Fiber and Sculpture

Family Consumer Science Projects:

Artistic Clothing

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

2024-2025 El Paso County 4-H Projects

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 (multiple classes)
 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

Clothing Construction

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

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 and 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*
 Misc. Fiber (*Needle Arts, Weaving, Spinning,*
 Felted Bags, Batiked Fabric, Hooked
 Pillows, *Ethnic Arts, Rug Making,*
Macramé, etc.)
 Misc. Non-Fiber (*Beading, Silver Smithing,*
Paper Scrolling, etc.)
 Quilting – Unit 1 *You Can Quilt*
 Quilting – Units 2-6 *Quilting the Best Better*

Home Design & Décor

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.)
 **Computer Science and Coding* (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 to Model Rocketry*
 Unit 2 – *Construction & Flight of Model*
Rockets
 Unit 3 – *Intermediate*
 Unit 4 – *Advanced*
 *Unit 6 – *Designer* (Int./Sr.)

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 (Int./Sr.)
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 (Sr. only) – *Growing Profits*
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

Supplemental:

Self-Determined

Self Determined: Canine Good Citizen
 Self Determined: Independent Project
 Self-Determined: Pet Pig

Cloverbuds (Ages 5-7 Years):

Cloverbuds: A 4-H Discovery Program for 6-8
*Year Olds, **Healthy Me!***
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.

Colorado State University Extension is an equal opportunity provider. Colorado State University does not discriminate on the basis of disability and is committed to providing reasonable accommodations. CSU's Office of Engagement and Extension ensures meaningful access and equal opportunities to participate to individuals whose first language is not English. <https://col.st/OWMJA>

Colorado State University Extension es un proveedor que ofrece igualdad de oportunidades. Colorado State University no discrimina por motivos de discapacidad y se compromete a proporcionar adaptaciones razonables. Office of Engagement and Extension de CSU garantiza acceso significativo e igualdad de oportunidades para participar a las personas quienes su primer idioma no es el inglés. <https://col.st/OWMJA>