

2025-2026 Douglas County 4-H Project List



Colorado State University
EXTENSION

Cloverbuds: Ages 5-7

Juniors: Ages 8-10

Ages as of December 31, 2025

Alpaca/Llama

Beef

Breeding Beef
Market Beef
Dairy Cattle

Cat

Show Cats
Unit 1 – Purr-fect Pals
Unit 2 – Climbing Up
Unit 3 – Leaping Forward

Dog

Showmanship, Obedience, Rally, Agility

Goat

*Breeding Goat
Market Goat
Dairy Goats

Horse

Large and Miniature Equine

Poultry

Market Chickens
Fowl - Showbirds
Breeding Turkeys
Market Turkeys
Duck
Geese
Pigeons/Game Birds

Rabbits

Breeding Rabbits/Show
Market Rabbit
Companion Rabbits

Sheep

Breeding Sheep
Market Sheep

Swine

Breeding Swine
Market Swine

Intermediate: Ages 11-13

Seniors: Ages 14-18

Animal Science General Projects:

Veterinary Science

Unit 1– From Airedales to Zebras
Unit 2 – All Systems Go
Unit 3 – On the Cutting Edge

Horseless Horse

Unit 1 – Making Horse Sense
Unit 2 – Hooves, Health & Horsemanship
Unit 3 – Breaking Ground
Unit 4 – Brushing Up on Horses

Communication, Arts & Leisure Sciences:

Ceramics

Unit 1 – Hand Constructed
Unit 2 – Slab and Coil Constructed
Unit 3 – Underglazes
Unit 4 – Unfired Finishes
Unit 5 – Mixed Glazes
Unit 6 – Overglazes
Unit 7 - Sculpture
Unit 8 - Wheel Throwing
Unit 9 - Production Molds

Filmaking

Animation, Narrative, Documentary, Promotional,
Voices of 4-H History

Global Citizenship

Unit 1 - Study of Another Country
Unit 2 - Hosting a Delegate from Another country
Unit 3 - Exchange Delegate to Another Country (Int./Sr.)
Unit 4 - Global Challenges

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.)

Scrapbooking

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

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

Leathercraft

Unit 1 – Intro Leathercraft/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 & Rebuilding Saddles

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.)

Visual Arts

Portfolio Pathways-Painting and Printing
Portfolio Pathways-Graphic Design
Sketchbook Crossroads-Drawing
Sketchbook Crossroads-Fiber & 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)

Cake Decorating

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

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

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 – Freezing
Unit 2 – Drying(New: Now including Freeze Drying)
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, Hooked Pillows, Ethnic Arts, Rug Making, Macram é,etc.)
Misc. Non-Fiber (Beading, Silver Smithing, Paper Scrolling, etc.)
Quilting – Units 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
*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)

Metalworking

Unit 1 - Introduction to Welding
Unit 2 - Metal Fabrication
Unit 3 - Advanced Metal Fabrication
Unit 4 - Large Exhibit Fabrication

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

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)

Woodworking

Unit 1 - Measuring Up
Unit 2 - Making the Cut
Unit 3 - Nailing It Together
Unit 4 - Finishing Up

Natural Resources Projects:

Beekeeping

Beekeeping Unit 1
Beekeeping Unit 2
Beekeeping Unit 3
*Advanced Beekeeping Unit 4 (Int/Sr)

Entomology

Teaming with Insects – Level 1
Teaming with Insects – Level 2
Teaming with Insects – Level 3

Gardening

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

Outdoor Adventure

Unit 1 – Hiking Trails
Unit 2 – Camping Adventures
Unit 3 – Backpacking Expeditions

Shooting Sports

Air Rifle
Archery
.22 Rifle
.22 Pistol
Shotgun
Muzzleloading
Air Pistol
Outdoor Skills
Western Heritage

Sportfishing

Unit 1 – Take the Bait
Unit 2 – Reel in the Fun
Unit 3 – Cast into the Future

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 Standalone

Cloverbuds

4-H Discovery Program for ages 5-7

Douglas County Projects and

Activities (*Not Eligible for State*)

County Projects

- Self-Determined - Design your own project. Any project that is not offered by 4-H: Astronomy, cavy, pocket pets, animal science, dinosaurs, jewelry, etc.