



2023-2024

State 4-H Projects

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

For more info:
Colorado4h.org

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 (*).

New or renamed state projects are highlighted in yellow.

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
and more at Colorado4h.org

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, Duck, Geese, Pigeons & Game Birds
Poultry Resource Handbook
and more at Colorado4h.org

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
*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
Leathercraft Leader 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 (Int./Sr.)*

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 & 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 Weartec 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



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

Cloverbuds (Ages 5-7 Years):

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

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