



2026-2027

State 4-H Projects

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/>

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 updated state projects or curriculum are highlighted in yellow.

Animal Science Projects:

Beef

Breeding Beef
Market Beef
Beef Resource Handbook
Breeding Beef Supplement

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
Obedience, Rally, Showmanship
Supplements

Goats

Breeding, Market, Dairy, Fiber, Pygmy, Utility
Goat Resource Handbook, *Ohio State University Meat Goat Manual*

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, *Poultry Fitting & Showing Member's Guide*, *Ohio 4-H Poultry Website* and more at *Colorado4h.org*

Rabbit

Breeding/Show
Market
Companion (Pet)
Rabbit Resource Handbook for Breeding, Market, and Pet Rabbit Projects, *Rabbit Fitting and Showing Member Guide*, 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*

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 – *Hand-Constructed*
Unit 2 – *Slab and Coil Constructed*
Unit 3 – *Underglazes*
Unit 4 – *Unfired Finishes*
Unit 5 – *Glazes*
Unit 6 – *Overglazes*
Unit 7 – *Sculpture*
Unit 8 – *Wheel Throwing*
Unit 9 – *Production Molds*
Ceramics 4-H Project Manual

Filmmaking

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

Global Citizenship

Unit 1 – *Study of Another Country*
*Unit 2 – *Global Challenges (Int./Sr.)*
Unit 3 – *Host a Delegate from Another Country*
*Unit 4 – *International Experience in Another Country (Int./Sr.)*
Global Citizenship 4-H Project Manual

Leadership*

**Leadership Skills You Never Outgrow (Jr./Int. 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 – *Intro to Leather Carving*
Unit 3 – *Beginning Leather Carving & Finishes*
Unit 4 – *Advanced Leather Carving & Color*
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
Leathercraft 4-H 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 (Int./Sr.) Supplement, Field Guide*
*Unit 7 – *Digital Image Editing (Int./Sr.)*
How to Prepare Your 4-H Photography Project – Five Video Series

Scrapbooking

One Page Layout, Two Page Layout, Album, Tag Making, 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

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.)

Units 2 & 3 – STEAM Clothing 2 Simply
Sewing (Jr./Int./Sr.)

*Unit 4 – STEAM Clothing 3 A Stitch
*Further, 4-H Textile
Experiments* (Int./Sr.)

Unit 5 – 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 – Freezing

Unit 2 – Drying and 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 *Heritage Arts: Fiber 4-H
Manual*

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 (Int./Sr.
Advanced)

*Electric Group Helper's Guide, 4-H
Introduction to Electricity Companion
Document*

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.)
Model Rocketry Leader's Guide

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

Exploring with Insects Advanced – Unit 7

*Teaming with Insects Facilitator's Guide,
Entomology Workbook Supplement*

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*

Supplemental:

Self-Determined

Cloverbuds (Ages 5-7 Years):

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

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