



2021-2022

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 highlighted in yellow

Animal Science Projects:

Beef

Breeding Beef
Market Beef
Beef Resource Handbook

Dairy Cattle

Dairy Resource Handbook

Goats

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

Poultry

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

Rabbits

Breeding Rabbits/Show
Market Rabbit
Companion Rabbits
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

Cat

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

Dog

Dog 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*

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:

4-H Filmmaking

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

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

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 – *Intro Leathercraft/Stamping*
Unit 2 – *Beginning Leather Carving*
Unit 3 – *Intermediate Leather Carving*
Unit 4 – *Advanced Leather Carving*
Unit 5 – *Coloring and Shading*
Unit 6 – *Pictorial Carving*
Unit 7 – *Making and Rebuilding Saddles*
Leathercraft Units 3-7
Unit 8 – *Advanced Creative Stamping*
Unit 9 – *Braiding and Untooled*
Unit 10 – *Sewing Leather*
Leathercraft Units 8-10
Leathercraft Leader's Guide

Photography

Unit 1 – *Photography Basics*
Unit 2 – *Photography Basics (Part 2)*
Unit 3 – *Next Level Photography*
Unit 4 – *Mastering Photography*
Unit 5 – *Lightning Photography*
Unit 6 – *Advanced Photography*

Scrapbooking

One page, album, tag, and card making
Scrapbooking 101 – Avail. Dec. 2021

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 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

Foods and Nutrition: Specialty Foods

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

Food Preservation

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

Heritage Arts

- Crochet*
- Knitting*
- 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* – Units 1-4

Home Design & Décor

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

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*
- Caliber Rifle (.22) – 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*

Mechanical Sciences Projects:

Computer Power Unlimited Series

- 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.)

Electric

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

Metalworking (Welding)

- Unit 1 – *Introduction to Welding*
- Unit 2** – *Metal Fabrication*
- Unit 3** – *Advanced Metal Fabrication*
- Unit 4** – *Advanced Metal Fabrication (Large Projects)*
- 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*

Ages 5-7 years:

Cloverbuds

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

Supplemental:

Self-Determined