



2023-2024

### State 4-H Projects

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

For more info:  
[Colorado4h.org](http://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

#### Cats

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

#### Dairy Cattle

*Dairy*

#### Dog

*Dog*

#### Goats

Breeding, Market, Dairy, Fiber, Pygmy, Utility

#### Horse

*Horse*

#### Horseless Horse

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

#### Rabbits

Breeding/Show  
Market

#### Sheep

Breeding Sheep  
Market Sheep

#### Swine

Breeding Swine  
Market Swine

#### Veterinary Science

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

### 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

#### Filmmaking

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

#### Global Citizenship

Study of Another Country  
Hosting a Delegate from Another Country  
\*Exchange Delegate to Another Country (Int./Sr.)

#### 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

#### Photography

Unit 1 – *Photography Basics*  
Unit 2 – *Photography Basics (2<sup>nd</sup> 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.)

#### 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.)

#### Cake Decorating\*

Unit 1 – Edible Cake Decorating  
Unit 2 – Single Layered Cake  
Unit 3 – Two Layered Cake with Tips  
Unit 4 – Character Cakes  
Unit 5 – Small Treats  
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* (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*



**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*

Knitting *Units 1-3*

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*

\**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**

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*

**Gardening**

Unit 1 – *See Them Sprout*

Unit 2 – *Let's Get Growing!*

Unit 3 – *Take Your Pick*

\*Unit 4 (Sr. only) – *Growing Profits*

**Outdoor Adventures**

Unit 1 – *Hiking Trails*

Unit 2 – *Camping Adventures*

Unit 3 – *Backpacking Expeditions*

**Shooting Sports**

Air Rifle

Archery

.22 Rifle

.22 Pistol – For Int. & Sr. Members Only

Shotgun

Muzzleloading

Air Pistol

**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*

**County Projects:**

**Cloverbuds (Ages 5-7 Years Old)**

Cloverbud

Leader

**Field Crops**

Member

Leader

**Genealogy**

Member

Leader

**Pocket Pets**

Member

Leader

**Restoration**

Member

Leader

**Self-Determined**

Member

Leader

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