



**2022-2023**

**State 4-H Projects**

**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**

Member  
Leader

**Dog**

Member  
Leader

**Goats**

Breeding, Market, Dairy, Fiber, Pygmy,  
Utility

**Horse**

Member  
Leader

**Horseless Horse**

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

**Poultry**

Egg Production  
Market Chickens  
Show Birds  
Breeding Turkeys  
Market Turkeys  
Duck  
Geese  
Pigeons & Game Birds

**Rabbits**

Breeding Rabbits  
Market Rabbits

**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  
\*Youth Counselor (Int./Sr.)  
\*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  
Stamping**  
**Unit 5 - Advanced Leather Carving**  
**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

**Scrapbooking**

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

**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.)

**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 (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
- 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 – **Unit 1**
- Quilting – **Units 2-6**

### Home Design & Décor

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

### Mechanical Sciences Projects:

#### Computer Science

- Discovering Computer Science Through Scratch Level 1
- \*Discovering Computer Science Through Scratch Level 2 (Int./Sr.)
- \*Discovering Computer Science Through Scratch Level 3 (Int./Sr.)
- \*Computers in the 21<sup>st</sup> Century (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
- Unit 2 – Basic
- 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

### Small Engines

- Unit 1 – Crank It Up
- Unit 2 – Warm It Up
- Unit 3 – Tune It Up
- Unit 4 – Advanced Engines—Self-Determined

### 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
- 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 – Not Eligible for Colorado State Fair

#### Cloverbuds (Ages 5-7 Years):

- Cloverbud Member

#### Field Crops

- Member
- Leader

#### Pocket Pets

- Member
- Leader

#### Restoration

- Member
- Leader

#### Self-Determined

- Member
- Leader

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