



2016-2017

## State 4-H Projects



For more info:  
[www.colorado4h.org](http://www.colorado4h.org)

Juniors 8-10 yrs.  
Intermediates 11-13 yrs  
Seniors 14+

All projects may be taken by Jr.,  
Int., and Sr. members unless  
otherwise indicated by (\*).

New state projects highlighted in yellow

### Beef

Leader  
Member  
Breeding Beef  
Market Beef

### Dairy Cows

Leader  
Member

### Goats

Leader  
Member  
Breeding Goat\*  
Market Goat

### Poultry

Leader  
Member  
Breeding Chickens  
Market Chickens  
Fowl - showbirds  
Breeding Turkeys  
Market Turkeys  
Duck  
Geese

### Rabbits

Leader  
Member  
Breeding Rabbits/Show  
Market Rabbit  
Companion Rabbits

### Sheep

Leader  
Member  
Breeding Sheep  
Market Sheep

### Swine

Leader  
Member  
Breeding Swine  
Market Swine

\*includes dairy, pygmy, angora, cashmere, etc.

### Horse

Leader  
Member

### Dog

Leader  
Member  
Guide Dog

### Cat

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

### Veterinary Science

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

### Horseless Horse

Leader  
Member  
Unit 1 – Horseless Horse  
Unit 2 – Horseless Horse  
Unit 3 – Horseless Horse  
Unit 4 – Horseless Horse

### Gardening

Leader  
Member  
Unit 1 – See Them Sprout  
Unit 2 – Let's Get Growing  
Unit 3 – Take Your Pick  
\*Unit 4 (Sr. only) – Growing Profits

### Bicycle

Leader  
Member  
Unit 1 – Bicycling for Fun  
Unit 2 – Wheels in Motion  
\*Unit 3 (Int./Sr.) – Bicycle Self Determined

### Computer Power Unlimited Series

Leader  
Member  
Newbie Know-how  
Inside the Box  
Peer to Peer  
Teens Teaching Technology  
Discovering Computer Science &  
Programming Through Scratch  
\*Computers in the 21<sup>st</sup> Century

### Electric

Leader  
Member  
Unit 1 – Magic of Electricity  
Unit 2 – Investigating Electricity  
Unit 3 – Wired for Power  
\*Unit 4 (Sr. only) – Advanced Electronics

### Geospatial – (all units on one CD)

Leader  
Member  
Exploring Spaces, Going Places CD  
Unit 1 – Setting Out  
Unit 2 – On the Trail

Unit 3 – Reaching Your Destination

### Model Rocketry

Leader  
Member  
Unit 1 – Introduction  
Unit 2 – Basic  
Unit 3 – Intermediate  
Unit 4 – Advanced  
Unit 6 – Designer

### Small Engines

Leader  
Member  
Unit 1 – Crank It Up  
Unit 2 – Warm It Up  
Unit 3 – Tune It Up  
Unit 4 – Adv Small Eng—Self-Determined

### Robotics

Leader  
Member  
Unit 1 – Give Robots a Hand  
Unit 2 – Robots on the Move  
Unit 3 – Mechatronics  
Unit 4 – Robotics Platform Beginners  
Unit 5 – Robotics Platform Intermediate  
Unit 6 – Robotics Platform Advanced  
Unit 7 – Team Robotics

### Entomology

Leader  
Member  
Unit 1 – Let's Learn About Insects  
Unit 2 – Learn More About Insects  
Unit 3 – Insect Habits & Control  
Unit 4 – Insect ID & Community Projects  
Unit 5 – Immature Insects/Life Stages  
Unit 6 – Exploring with Insects  
Unit 7 – Exploring w/ Insects, Advanced

### Outdoor Adventure

Leader  
Member  
Unit 1 – Hiking Trails  
Unit 2 – Camping Adventures  
Unit 3 – Backpacking Expeditions

### Sportfishing

Leader  
Member  
Unit 1 – Take the Bait  
Unit 2 – Reel in the Fun  
Unit 3 – Cast into the Future

### Shooting Sports

Leader  
Member  
Air Rifle  
Archery  
Caliber Rifle (.22)  
.22 Pistol  
Shotgun  
Muzzleloading  
Air Pistol  
Outdoor Skills  
Western Heritage

### Wildlife Conservation

Leader  
Member  
Unit 1 – The Worth of Wild Roots

Unit 2 – Living Wild in an Ecosystem  
Unit 3 – Managing in a World with You and Me

### **Ceramics**

Leader  
Member  
Unit 1 – Glazes  
Unit 2 – Underglazes  
Unit 3 – Overglazes  
Unit 4 – Unfired Finishes  
Unit 5 – Porcelain Dolls  
Unit 6 – Hand-Constructed w/ Stoneware

### **Global Citizenship**

Leader  
Member  
Study of Another Country  
Hosting a Delegate From Another Country  
\*Teen Counselor (Int./Sr.)  
\*Exchange Delegate to Another Country (Int./Sr.)

### **Leadership**

Leader  
Member  
\*Ind Skills for Young Members (Jr. only)  
\*Ind Skills for Older Members (Int./Sr.)  
\*Skills Working Within Groups (Int./Sr.)  
\*Skills Leading Group (Int./Sr.)

### **Leathercraft**

Leader  
Member  
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  
Unit 8 – Advanced Creative Stamping  
Unit 9 – Braiding and Untooled  
Unit 10 – Sewing Leather

### **Photography**

Leader  
Member  
Unit 1 – Focus on Photography  
Unit 2 – Controlling the Image  
Unit 3 – Mastering Photography  
Unit 4 – Lightning Photography  
Unit 6 – Advanced Photography

### **4-H Filmmaking**

Leader  
Member

### **Scrapbooking**

Leader  
Member  
Scrapbooking 101

### **Woodworking**

Leader  
Member  
Unit 1 – Measuring Up  
Unit 2 – Making the Cut  
Unit 3 – Nailing It Together  
Unit 4 – Finishing Up

### **Visual Arts**

Leader  
Member  
Portfolio Pathways  
Sketchbook Crossroads

### **Cake Decorating**

Leader  
Member  
Unit 1 Edible Decorations  
Unit 2 Single Layer Decorating with Tips  
Unit 3 Double Layer Decorating with Tips  
Unit 4 Character Cakes  
Unit 5 Cupcakes  
Unit 6 Cut-Up Cakes  
\*Unit 7 Flower Power (Int./Sr.)  
\*Unit 8 Fondant (Int./Sr.)  
\*Unit 9 Flower Power (Int./Sr.)  
\*Unit 10 Tiered Cakes (Sr. only)  
\*Unit 11 Molds (Sr. only)  
\*Unit 12 Advanced Cake Decorating (Sr. only)

### **\*Child Development**

Leader  
Member  
\*Intermediate Child Development  
\*Senior Child Development

### **Clothing Construction**

Leader  
Member  
Unit 1 – STEAM Clothing 1 (Jr./Int./Sr.)  
Unit 2 – STEAM Clothing 2 (Jr./Int./Sr.)  
Unit 3 – STEAM Clothing 3 (Int./Sr.)  
STEAM Clothing Activity Manual - Beyond the Needle (Jr./Int./Sr.)  
Unit 7 – Sewing for Others (Jr./Int./Sr.)  
Unit 8 – Recycled Clothing (Jr./Int./Sr.)

### **Artistic Clothing**

Leader  
Member  
Decorate Your Duds

Unit 5 – Creative Sewing  
\*Unit 7 (Int./Sr.) – Create Your Own Buymanship Project – online only

### **Foods and Nutrition**

Leader – 4-H Cooking Helper's Guide  
Member  
Unit 1 – Cooking 101  
Unit 2 – Cooking 201  
Unit 3 – Cooking 301  
Unit 4 – Cooking 401

### **Specialty Foods**

Leader  
Member  
Unit 25 – Outdoor Cooking & Living  
\*Unit 30 (Int./Sr.) – Cultural and Ethnic Foods  
\*Unit 35 (Int./Sr.) – Passport to Foreign Cookery

### **Food Preservation**

Leader  
Member  
Unit 40 – Drying  
Unit 41 – Freezing  
Unit 42 – Boiling Water Canning  
\*Unit 43 – Pressure Canning (Int./Sr.)

### **Heritage Arts**

Leader  
Member  
Crochet  
Knitting  
Needle Arts  
Quilting – Units 1-4  
Misc. Fiber (Macrame, Rug Making, Spinning & Weaving)  
Misc. Non-Fiber

### **Home Environment**

Leader  
Member  
Unit 1  
Unit 2  
Unit 3  
Unit 4  
Unit 5  
Unit 6  
\*Unit 7 (Sr. only) – Design Your Own Project

### **Cloverbuds**

Leader  
Member

### **El Paso County 4-H Projects for county-level participation only**

(Projects listed below are not eligible for State Fair participation)

Canine Good Citizen, Agility and Trick Dog  
Muzzel loader Pistol  
Pocket Pets (pet store type animals other than Guinea Pig)  
Miniature Horse  
Llama/Alpaca  
Cavy (Guinea Pig)  
Self-Determined Project – Independent study