



2016-2017

## State 4-H Projects



For more info:  
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