



**2015-2016  
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  
Market Rabbit  
Pet Rabbits

**Sheep**

Leader  
Member  
Breeding Sheep  
Market Sheep

**Swine**

Leader  
Member  
Breeding Swine  
Market Swine

**Horse**

Leader  
Member

**Dog**

Leader  
Member  
Guide Dog

**Cat**

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

**Veterinary Science**

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

**Horseless Horse**

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

**Gardening**

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

**Bicycle**

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

**Computers**

Leader  
Unit 1 – Newbie Know How  
\*Unit 2 – Inside the Box  
\*Unit 3 (Int./Sr.) – Peer to Peer  
\*Unit 4 (Sr. only) – Teens Teaching Tech

**Electric**

Electric Leader  
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)**

Exploring Spaces, Going Places CD  
Leader  
Unit 1 – Setting Out  
Unit 2 – On the Trail  
Unit 3 – Reaching Your Destination

**Model Rocketry**

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

**Small Engines**

Leader

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

**Robotics**

Level 1 – Give Robots a Hand  
Level 2 – Robots on the Move  
Level 3 – Mechatronics  
Unit 4 -- Robotics Platform Level 1  
Unit 5 -- Robotics Platform Level 2  
Unit 6 -- Robotics Platform Level 3  
Unit 7 -- FIRST Lego League (FLL)  
Unit 8 -- FIRST Tech Challenge (FTC)  
Unit 9 -- FIRST Robotics Competition (FRC)  
Unit 10 -- BEST Robotics

**Power of Wind**

Power of Wind Facilitator Guide  
Power of Wind Youth Guide

**Entomology**

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

**Sportfishing**

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

**Shooting Sports**

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

**Wildlife Conservation**

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  
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

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

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

#### **Leadership**

Leader  
\*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  
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  
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

#### **Scrapbooking**

Scrapbooking 101

#### **Woodworking**

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

#### **Visual Arts**

Leader  
Portfolio Pathways  
Sketchbook Crossroads

#### **Cake Decorating**

Leader  
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**

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

#### **Clothing Construction**

Leader  
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.)

#### **Artistic Clothing**

Leader  
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  
Unit 1 – Cooking 101  
Unit 2 – Cooking 201  
Unit 3 – Cooking 301

#### **Unit 4 – Cooking 401**

#### **Specialty Foods**

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

#### **Food Preservation**

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

#### **Heritage Arts**

Leader  
Crochet  
Knitting  
Needle Arts  
Quilting – Units 1-5  
Misc. Fiber (Macrame, Rug Making, Spinning  
& Weaving)  
Misc. Non-Fiber

#### **Home Environment**

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

#### **Cloverbuds**

Leader  
Member