**2015-2016**

# 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
Market Rabbit
Pet 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
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

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