

**2019-2020**

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 & Renamed* 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

**Computer Power Unlimited Series**

Leader

Member

Discovering Computer Science & Programming Through Scratch

Level 1

Level 2

Level 3

\*Computers in the 21st Century

## Electric

Leader

Member

Unit 1 – Magic of Electricity

Unit 2 – Investigating Electricity

Unit 3 – Wired for Power

\*Unit 4 (Sr. only) – Advanced Electronics

# 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

**Beekeeping**

Leader

Member

Beekeeping Unit 1

Beekeeping Unit 2

Beekeeping Unit 3

\*Adv. Beekeeping Unit 4, Int./Sr. Only

**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

\*Youth Counselor (Int./Sr.)

\*Exchange Delegate to Another Country (Int./Sr.)

## Leadership

Leader

Member

\*Leadership Skills You Never Outgrow (Jr Only)

\*Leadership Road Trip (Int./Sr.)

\*Put Leadership to Practice (Int./Sr.)

\*Refining Leadership Skills (Sr.)

\*Community Service Project (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**

Leade**r**

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 Small Treats

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)

# Clothing Construction

Leader

Member

Unit 1 – Clothing Construction STEAM 1 (Jr./Int./Sr.)

Unit 2 – Clothing Construction STEAM 2 (Jr./Int./Sr.)

Unit 3 – Clothing Construction STEAM 3 (Int./Sr.)

Unit 7 – Sewing for Others (Jr./Int./Sr.)

Unit 8 – Recycled Clothing (Jr./Int./Sr.)

**Artistic Clothing**

Leader

Member

Upcycle Your Style (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

Quilting – Units 1-4

Misc. Fiber (Macrame, Rug Making, Spinning & Weaving, Needle Arts)

Misc. Non-Fiber

# Home Design & Décor

Leader

Member

Unit 1

Unit 2

Unit 3

Unit 4

# Cloverbuds

# Leader

Member