



MORGAN COUNTY
COLORADO STATE UNIVERSITY
EXTENSION

914 E. Railroad Ave.
Fort Morgan, CO 80701
970-542-3540

morgan.extension.colostate.edu

2023-2024

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

Livestock Projects:

Beef
Breeding Beef
Market Beef

Dairy Cows
Member

Goats
Breeding Goats*
Dairy Goats
Market Goats

Fowl -Poultry
Breeding Chickens
Market Chickens
Breeding Turkeys
Market Turkeys
Breeding Duck
Market Duck
Breeding Geese
Market Geese

Rabbits
Breeding Rabbits
Market Rabbit

Sheep
Breeding Sheep
Market Sheep

Swine
Breeding Swine
Market Swine

Horse
Member

Animal Science Projects:

Dog
Member

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

Horseless Horse
Unit 1 – Making Horse Sense
Unit 2 – Hooves, Health &
Horsemanship
Unit 3 – Breaking Ground
Unit 4 – Brushing Up on Horses

Veterinary Science
Leader
Unit 1 - From Airedales to Zebras
Unit 2 - All Systems Go!
Unit 3 - On the Cutting Edge

**Communication, Arts &
Leisure Science Projects:**

Ceramics
Unit 1 - Glazes
Unit 2 - Underglazes
Unit 3 - Overglazes
Unit 4 - Unfired Finishes
Unit 5 - Porcelain Dolls
Unit 6 - Hand-Constructed w/
Stone or Earthenware

Filmmaking
Animation, Narrative, Documentary,
Promotional, Voices of 4-H History

Global Citizenship
Study of another Country
Hosting a Delegate from another
Country
*Youth Counselor (Int./Sr.)
*Exchange Delegate to Another
Country (Int./Sr.)

Leadership
Leader
*Leadership Skill 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
Unit 1 - Intro to Leathercraft and
Creative Stamping
Unit 2 - Beginning Leather Carving
Unit 3 - Intermediate Leather Carving
Unit 4 – Advanced Stamping
Unit 5 – Advanced Leather Carving
Unit 6 - Sewing Leather
Unit 7 - Braiding and Un-tooled
Leather
Unit 8 – Master Leathercraft
Unit 9 - Making and Rebuilding
Saddles

Photography
Unit 1 – Photography Basics
Unit 2 - Photo Basics Part (2nd Year)
Unit 3 – Next Level Photography
Unit 4 – Mastering Photography
Unit 5 – Low Light Photography
Unit 6 – Advanced Photography
(Int./Sr.)

Scrapbooking
One Page Layout, Two Page Layout,
Album, *Tag Making (Jr.), and * Card
Making (Int./Sr.)

Visual Arts
Portfolio Pathways-Painting & Printing
Portfolio Pathways-Graphic Design
Sketchbook Crossroads-Drawing
Sketchbook Crossroads-Fiber &
Sculpture

Family Consumer Science Projects:

Artistic Clothing
Upcycle Your Style (Applied, Stitched,
Combination Design)
Unit 4 – Recycled Clothing
Unit 5 - Creative Sewing (Costumes,
Other Items)
Unit 6 - Buymanship Project (Int./Sr.)
*Unit 7 - Create Your Own (Int./Sr.)

Cake Decorating
Unit 1 Edible Cake Decorating
Unit 2 Single Layer Decorating with
Tips
Unit 3 Two Layered Cake with Tips
Unit 4 Character Cakes
Unit 5 Small Treats
Unit 6 Cut-Up Cakes
*Unit 7 Flat Surface & Nail Flowers
(Int./Sr.)
*Unit 8 Fondant (Int./Sr.)
*Unit 9 Lily Nail Flowers (Int./Sr.)
*Unit 10 Tiered Cakes (Sr. only)
*Unit 11 Molds (Sr. only)
*Unit 12 Create Your Own(Sr. only)

Clothing Construction
Unit 1 – STEAM 1 FUNdamentals
Unit 2 - STEAM 2 Simply Sewing
Unit 3 - STEAM 3 A Stitch Further
Unit 4 – Sewing for Others

Foods and Nutrition
Unit 1 - Cooking 101
Unit 2 - Cooking 201
Unit 3 - Cooking 301
Unit 4 - Cooking 401

Specialty Foods
Unit 5 - Outdoor Cooking & Living
*Unit 6 - Cultural and Ethnic
Foods (Int./Sr.)
*Unit 7 - Passport to Foreign
Cookery (Int./Sr.)

Food Preservation
Unit 1 - Drying
Unit 2 - Freezing
Unit 3 – Boiling Water Canning
*Unit 4 – Pressure Canning (Int/Sr)

Heritage Arts
Crochet Units 1-3
Knitting Units 1-3
Misc. Fiber - (Needle Arts, Weaving,
Spinning, Felted Bags, Batiked Fabric,
Hooked Pillows, Ethnic Arts, Rug
Making, Macramé, etc.)
Misc. Non-Fiber -(Beading, Silver
Smithing, Paper Scrolling, etc.)
Quilting - Unit 1
Quilting – Units 2-6

Home Design & Décor
Unit 1
Unit 2
Unit 3
Unit 4

Mechanical Sciences Projects:

Computer Science
Discovering Computer Science &
Programming Through Scratch Level 1
*Discovering Computer Science &
Programming Through Scratch Level 2
(Int./Sr.)
*Discovering Computer Science &
Programming Through Scratch Level 3
(Int./Sr.)
*Computers in the 21st Century (Int./Sr.)

Electricity
Unit 1 - Magic of Electricity
Unit 2 - Investigating Electricity
Unit 3 - Wired for Power
*Unit 4 – Entering Electronics (Sr.)

Metalworking
Unit1 – Introduction to Welding
Unit 2 – Metal Fabrication
Unit 3 – Advanced Metal Fabrication
Unit 4 – Large Exhibit Fabrication

Model Rocketry
Unit 1 - Introduction
Unit 2 - Basic
Unit 3 - Intermediate
Unit 4 - Advanced
Unit 6 - Designer (Int./Sr.)

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

Small Engines
Unit 1 - Crank It Up
Unit 2 - Warm It Up
Unit 3 - Tune It Up
Unit 4 – Advanced Engines - Self
Determined (Int./Sr.)

Woodworking
Unit 1 - Measuring Up
Unit 2 - Making the Cut
Unit 3 - Nailing It Together
Unit 4 - Finishing Up

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

Natural Resources Projects:

Beekeeping

- Unit 1 - Beekeeping Division 1
- Unit 2 – Beekeeping Division 2
- Unit 3 - Beekeeping Division 3
- *Unit 4 - Adv. Beekeeping (Int./Sr.)

Entomology

- Teaming with Insects – Level 1
- Teaming with Insects – Level 2
- Teaming with Insects – Level 3

Gardening

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

Outdoor Adventure

- Unit 1 - Hiking Trails
- Unit 2 - Camping Adventures
- Unit 3 - Backpacking Expeditions

Shooting Sports

- *.22 Pistol (age restriction)
- .22 Rifle
- Air Pistol
- Air Rifle
- Archery
- Muzzleloading
- Shotgun

Sportfishing

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

Wildlife

- Unit 1 – The Worth of Wild Roots
- Unit 2 – Living Wild in an Ecosystem
- Unit 3 – Managing in a World with You and Me

Supplemental:

Self-Determined

Discuss your ideas and interests with the County 4-H Agents.

Cloverbuds (5-7 year olds)

- Leader
- Member

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