

4-H EDUCATIONAL PRESENTATION TOPIC SUGGESTIONS

AGRONOMY

Weed, insect or disease control
Harvesting & Storage tips
Financial records & management
Career opportunities
Treating corn seed
Testing seeds
Calibrating a grain drill
Reducing root rot
Testing soil for nutrients
Treatment of small grain seeds
Taking a soil sample
Germination testing
Taking corn moisture sample

AUTOMOTIVE

Cleaning a carburetor
Battery care
Proper way to fill a grease gun
Check and adjust spark plug cap
Keeping fuel clean

BEEF

Health care
Housing
Building a back scratcher
Fitting and showing beef calves
Health concerns
Feeding beef animals
Keeping feed records
Trim the feet of a calf
Sportsmanship
Making a rope halter
Breeds of Beef
How steers are judged
Benefits of beef in your diet
How food moves through a cattle digestive system
Giving injections
Parts of a calf
Methods of grilling beef
Beef parasites
Knot Tying

BICYCLE

Buying and wearing a helmet
Road rules and signals
Purchasing a bike
Parts of a bike
Repairing a loose chain
Tire repair

CHILD DEVELOPMENT

Stages of development
Learning games
Healthy snacks for kids
First aid boxes
Babysitter tips
Keeping babies safe
Infant care
Age appropriate play
Careers in child development

CITIZENSHIP

Good and poor citizenship
County's early citizen(s)
Showing reverence to the flag
Citizenship opportunities in community

CLOTHING

Good pressing techniques
Good grooming habits
Texture, line or color & your figure
Uses of laundry products
Prepare & alter a pattern
Removing stains from fabrics
Equipping a sewing box
Care & use of pressing equipment
Tie-dying
Accessorize with color
Clothing labels
Pattern types/sizing
Seasonal clothing plan
Mix and match outfits
Correct fabric for pattern
Appropriate dress for special jobs
Evaluating a constructed garment
How to read a pattern
What to know about shears and scissors
Closet arrangement
Pattern layout on plaid
Sewing on buttons, snaps, hooks & eyes
Buying a sewing machine
Taking measurements
Clothing advertising
Deciding what to buy
How to return merchandise
Types of fabric and fibers
How to patch a garment
How to repair a hem

COMPUTERS

Using computer as a tool in project
Career opportunities
Uses of computers
Reducing back and eye strain
How computer operates
Parts of a computer
Storing and sharing data
Kinds of software
Online safety
Using graphics
Computer ethics
How disks work
Chat etiquette
History of computers
Building websites
Make charts and graphs

CONSERVATION & FORESTRY

Preparing a sod waterway
Transplanting pine seedling
Propagating forest trees
Propagation of shrubs
Potting a plant
Watering and care of cut flowers
Importance of soil conservation
Career opportunities
Identifying trees and leaves
Improving farm woodland
Soil erosion: problems & solutions

DAIRY

Reducing mastitis in dairy cows
Production of quality milk
Bedding for dairy cattle
Pedigree
Water pollutants
Recognizing a healthy calf

DOGS

Training a dog for the show ring
Building a dog house
Dog obedience

ELECTRICITY/ELECTRONICS

Types of light sources & fixtures
Plan a lighting system
Choosing efficient appliances
Care & use of home electrical equipment
Care of farm electrical equipment
Electric motors and controls

Adequately wired home/safety features

Making a portable yard light

Automatic flood lighting

Construction of any electrical article

Installing convenience outlets

Reducing electric bill

Making an electric heat lamp

Fire hazards of electricity

Make an extension cord

Rewire a lamp

Explain nuclear energy

Explain how radio or TV works

Build simple microphone

Electronics in the home

Appliance nameplates

Identifying electric symbols

Classifying circuits

Stripping wire

Using a volt-ohm meter

Electrician's tools

Soldering

ENERGY

Home insulation

Weatherizing your home

Saving fuel in home heating/cooling

Energy efficiency with home appliances

Solar energy

Making a draft dodger

ENTOMOLOGY

Collecting and mounting butterflies

Making a killing bottle

Making an insect net

Controlling moths

Identifying & exhibiting insects

How insects move

Insect migration

How insects transmit disease

Insect behavior

Night insects

Insect predators

Insect parts

Soil insects

Insects on animals

Insect control techniques

ENVIRONMENT

Earth's layers

Mineral comparisons

Soil types

Composting

Bacteria

Fungi

Earthworms

Recycling

EXPRESSIVE ARTS

Local artist, sculpture, work

Share a skill (e.g. knit, sculpt)

Demonstrate art technique

Care of art tools and equipment

Art in our world

Career opportunities

FISHING

Kinds of lures

Making worms

Tying fly fishing knots

Stocking a tackle box

Watershed

What to take on a fishing trip

Boating safety

Kinds of fish

Filleting a fish

Cooking fish

Parts of a fish

Casting

Smoking fish

Scaling fish

Fishing ethics

FOOD AND NUTRITION

Making a quick bread

Tips for working with an oven

Measuring tips

Safety tips with knives

Food storage tips

Buying fresh fruits, vegetables or meat

Tips for healthy lifestyle

Substitutions in baked products

Uses of spices and herbs

Packing a safe lunch

Food fads for teen athletes

Fitness in your life

Nutritious snacks

Fad dieting

Grilling meats

Art of salad making

Tempting tacos

Frosting a cake

Basic 4 meal planning

Table settings

Using food blender, processor

Preparing fruits for freezer

Preparing vegetables for freezer

Preparing meat for freezer

Microwave magic

Compare micro & conventional baking

Serving with eye appeal

HEALTH

Making a first aid kit

Light for reading

Dental health

Correct posture

Good sanitation

HOME ENVIRONMENT

Accessorize your room w/color

Cleaning wood products

Cleaning upholstered furnishings

Replacing floor or wall covering

Installing a storm door

Changing furnace filters

Repairing plumbing

Making draperies or curtains

Measuring for ready-made draperies

Storage and shelving ideas

Making a centerpiece

Selecting a table cover

Use and care of paint brushes

Closet accessories

Matting and framing pictures

Applying wood finishes

Lamp shades

Flower arrangements

Bulletin boards

Refinishing furniture

Chair pads

Replacing window panes

HORSE

Making a horse jump

Care of horse's hoofs

Cleaning a saddle and bridle

Training a colt

Fitting and showing my horse

Proper care of horse after exercise

Showmanship

HORTICULTURE

Plant nutrition

Insect, weed or disease control

Career opportunities

Home grounds improvement idea

Flower gardening and ornamentals

Small fruit crop

Vegetable crop
Planting a seed bed flat
Making a garden plan
Grafting fruit trees
From seed to garden plant
Lawn mower care
Transplanting plants
Potting house plants
Planting seeds/seedlings
Staking and pruning tomatoes
Making a compost pile
Making soil mixture for potting
Light requirements for plants
Kinds and uses of mulch
Preparing a garden exhibit
How plants take up water & minerals
Importance of topsoil for growing plants
Growing spring bulbs indoors
Crop Rotation
Tubers
Fertilizers

MEATS

Knives, cuts, and cutting meat
Outdoor cookery
Meat for breakfast
Wise shopping
Nutritional, caloric & cost comparisons
Cooking with ground beef, ground pork

MONEY MANAGEMENT

Writing a check/managing checking account
Money problems
Preparing a budget
Values gained keeping personal account

PHOTOGRAPHY

Parts of a camera and what they do
Posing subjects for pictures
Taking pictures to tell a story
Mounting pictures in scrapbook
Photographing animals
Displaying your photographs
Choosing camera for your needs
A simple homemade camera
Storing your negatives
Lighting
Choosing frames
Digital photography

Kinds of cameras
Kinds of film
Using computer software to enhance images

POULTRY

Making an egg candling lamp
Health care
Housing
Proper nutrition
Breed description
Preparing a chicken for show
Egg grading
Omelet making
Poultry judging
Poultry cooking
Identification of parts
Poultry washing
Hatching chicks
Poultry diseases
Hen reproduction tract
Egg Parts

RABBITS

How to pick up a rabbit
How to tattoo a rabbit
Preparing a rabbit for show
Weather concerns
Breeds of rabbit
Uses for rabbits
Rabbit feed
External parasites
Showmanship
Caring for orphaned rabbits
Necropsy

RESOURCE MANAGEMENT

How credit cards work
How checking accounts work
Interest
Wants and needs
Saving vs. investing
Financial goals
Savings plans
Budgeting
Credit reports

SAFETY

Mouth to mouth respiration/CPR
Building safe campfires
Safety for disasters
Gun safety
Importance of seat belts
Know your fire extinguisher/what to do if in a fire

Basic first aid
Storing pesticides safely
Observing chemical warnings on labels

SHEEP

Fitting, blocking & showing sheep
Grading wool
Care of wool at shearing time
Foot rot treatment
Docking a lamb
Shearing
Vaccinations
Feed lambs
External parasites
Clipping navel cords
Breeds of sheep
Delivering a lamb
Saving a weak lamb
Trimming hooves
Sheep parts
Retail cuts of lamb
Veterinary supplies
Sheep selection tips

SMALL ENGINES

Types of engines
Types of tools
Waste materials
Identifying engine parts
Checking the piston pin diameter with a vernier caliper
Changing engine oil
Service an air cleaner
Finding engine small part numbers
Using a torque wrench
Checking the engine spark
Measuring engine speed

SWINE

Ear-notching pigs
Making a movable loading chute
Parasite control
Feeding and care of the brood sow
Housing for the swine herd
Keeping feed records
Care of pigs from birth to two weeks
Construction of a hog shed
Pg parts
Swine breeds
Swine diseases
Minerals pigs require
Cuts of port
Choosing pork

- Pork recipes
- Swine digestion
- Farrowing
- Weaning
- Buying feeder pigs

WEATHER

- How earth and sun affect our weather
- Making a rain gauge
- Causes of weather activities/changes
- Severe weather

WOODWORKING

- Selection of woodworking tools
- Use and care of tools
- Characteristics of different woods
- Safety in the shop
- Career opportunities
- Identify types of grits of sandpaper
- Techniques & tools of sanding
- Simple wooden toy
- Correct use of a hand drill
- Safe procedure for driving a nail
- Make picture frame w/ miter box
- Types of wood and their uses
- Woodworking careers
- How lumber is transported
- Grades of wood and their uses
- Cleaning a paintbrush