## **Event Guide – Presentation Day**

## **Contents:**

- Premium Book
- Supplemental Information for Participant Success

The California 4-H Manual is also highly recommended, please download a copy here:

https://ucanr.edu/sites/UC4-H/files/2193.pdf OR

Scan the QR code below to download the manual to your device:



HEALTHY FOOD SYSTEMS . HEALTHY ENVIRONMENTS . HEALTHY COMMUNITIES . HEALTHY CALIFORNIANS

**Premium Book** 

University of California Agriculture and Natural Resources

Making a Difference for California



Tehama County 4-H Presentation Day

Saturday, January 11, 2025

Lassen View Elementary School, 10818 Hwy 99E, Los Molinos, CA

#### <u>Friday, January 3</u>

By 5:00PM.....Entries DUE - Via Online entry form<sup>\*</sup>: <u>Saturday, January 11</u> 8:00-8:30AM .....Slide Show Presenters - Check in and Room Assignments 8:30-9AM .....All other Presenters - Check in and Room Assignments 9:00AM ......Evaluators and Room Coordinators Orientation 9:00AM ......

#### WHAT IS A PRESENTATION?

A presentation is a method used to communicate an idea or topic by showing, telling, or expressing your opinion. A presentation may be a demonstration, a talk, a speech, or a skit.

<u>WHO CAN ENTER?</u> 4-H members of all ages are eligible to participate. Presentations can be given on any topic and are not limited to your current 4-H project area.

\*HOW DO I ENTER? All participants must complete the online entry form by due date listed above. The link is shown below. If you need help getting your online form filled out, please don't hesitate to contact Anne Junge @ 530-592-7887 for assistance. The list of presentation categories is listed on the next page. If you are new to 4-H presentation categories, please pay close attention to the following:

- Demonstration vs. Illustrated Talk: Page 16 of the Manual (Link to manual on next page)
  - A *Demonstration* shows the process of making/doing something and creates a finished product in front of the audience (How to make slime, How to wash a dog, How to show a rabbit).
  - An *Illustrated Talk* uses graphics and other visual aids to support the content of the presentation.
- Illustrated Talk vs. Educational Display Talk: Page 16 and 18 of the Manual (Link to manual on next page)
  - An *Illustrated Talk* is the process of giving a complete presentation about a topic.
  - An *Educational Display Talk* is a display of information on a tri-fold or a 4'x4' panel. The display board should contain all of the presentation information, so that it "could" stand on its own without a presenter. The youth will only give a brief overview of the content and focus more on explaining the intended audience, the reason why the topic was chosen, etc. Then the evaluators look over the board and follow up with questions to the presenter.

## Entry Link Below: <u>https://forms.gle/x4iGkSa95TsyeNfs8</u> OR Scan the QR Code with your phone--->



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<u>PRESENTATION CATEGORIES</u> - Participants are limited to a total of 2 entries from either a single category below OR a combination of categories:

- A **demonstration** is doing and showing how. As you show how, you tell how. There is a final product.
- An **illustrated talk** is talking and telling how with the aid of visuals.
- A **science** presentation focuses on presenting the methods and results of a science investigation.
- An **engineering** presentation focuses on presenting a design process where suitable solutions to problems are described.
- An educational display talk is an organized visual presentation of a program or a concept.
- An **informative prepared speech** requires that the speaker write and deliver their own speech.
- A **persuasive prepared speech's** purpose is to sway, convince, and influence, not simply to argue.
- **Impromptu speaking** involves speeches that the speaker has developed themselves at the Presentation Day within a three-minute preparation. The topics will be developed from the pre-announced categories for the event.
- For **interpretive reading**, speakers may read any published written work that is age appropriate and acceptable for use in a public school classroom.
- In **share the 4-H fun skits** groups perform acts such as skits and other presentations that focus on health, safety, community pride, citizenship, science, engineering, or technology, or other 4-H projects.
- For **cultural arts**, individual participants or groups, projects and clubs, perform a costumed dramatic reading, musical, dance, or other such performing art.

<u>PRESENTATION DAY AWARDS</u>: Evaluation will align according to the most current "California 4- H Presentation Manual Scoring Key," evaluated with the Danish Evaluation System. Each entrant will be awarded either a gold, blue, or green Rotary pin based on evaluation. Primary members will not be evaluated and are not eligible for competitive awards. All primary members will receive a green Rotary pin for their participation.

- Members receiving blue or gold awards qualify to compete at a Regional Presentation Day.
- Members receiving a blue or gold award at a Regional Presentation Day qualify to compete at the State 4-H Presentation Day during the State 4-H Field Day held at UC Davis. (Usually on Memorial Day Weekend)
- Tehama County Members that give a presentation five or more times and meet certain criteria will be awarded a Tehama County Presentation Trophy sponsored by Red Bluff Rotary; see the attached Presentation Award Application

<u>PRESENTATION MANUAL</u>: The manual is the key to success, please utilize the resource to set up your youth for success. The following items can be found in the manual:

- Presentation Planning and Worksheet
- Full Description of Presentation Categories
- Table of Presentation Formats
- Score Sheets for each Presentation Category
- Link to the Presentation Manual is below:

https://ucanr.edu/sites/UC4-H/files/2193.pdf OR Scan the QR Code with your phone-->

<u>VOLUNTEERS NEEDED:</u> 4-H members 7th grade and older who are not participating as presenters are invited to be Room Coordinators. Adults are needed as well to evaluate the presentations; please invite a friend or relative

to come be an evaluator! Use the following to sign up:

https://forms.gle/x4iGkSa95TsyeNfs8

OR Scan the QR Code with your phone----->



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## PRESENTATION DAY OVERVIEW

## PHILOSOPHY FOR PRESENTATION DAY

The purpose of presentation day is to develop a method to communicate an idea or topic by showing, telling, or expressing your opinion. A presentation may be a **demonstration, a talk, a speech, or a skit.** 

## OBJECTIVES FOR PRESENTATION DAY

- To learn how to research a subject.
- To organize your ideas in a logical order.
- To learn to share your spark or your passion.
- To practice public speaking skills.

4-H offers opportunities for you to realize your true and full potential while learning about your spark. A spark is something that you are passionate about; it really fires you up and gives you joy. Use your spark to help you find what excites you and brings you purpose. Every member is encouraged to give a presentation each year. Show what you've learned; give a presentation. As you participate in projects, you collect information and ideas that can be shared with others. This sharing of information is part of the learning process.

## PREPARING YOUR PRESENTATION – RESOURCES

- California 4-H Presentation Manual
  - Presentation Category Descriptions & Instructions
  - Presentation Category Score Sheets
  - Access the manual here  $-\rightarrow https://ucanr.edu/sites/UC4-$

<u>H/files/2193.pdf</u> OR scan the QR code below to download the manual to your device:



• Attached Supplemental Pages

## "P.A.V.E"

There are a lot of things to remember when you are "performing" your speech or demonstration. For right now, we are going to focus on four important steps that will help your audience follow your presentation. We will use the acronym "P.A.V.E." to remember these steps:

# P: Pace

The easiest mistake to make as a speaker is to talk too fast! Practice your presentation in front of an adult or your siblings and ask them to tell you if you talk too fast. It is a good idea to talk especially slowly while you share very important points in your presentation.

# A: Audience

Remember your audience by making eye contact and smiling.

# V: Volume

Make sure your audience can hear you.

# E: Energy

Be excited about your topic! Tell the audience what you like about your topic and what it means to you. And smile! If it seems like you don't care about the topic then the audience won't care either.

## **ANATOMY OF A 4-H PRESENTATION INTRODUCTION**

## Introduction

- Start with an attention-grabbing line (e.g., "I didn't know that the boat was going to sink... really I didn't!"), quotation, or appropriate trick
- Introduce yourself: "Hello, my name is \_\_\_\_\_\_.
   I am a member of the \_\_\_\_\_\_4-H Club/Project. This is my \_\_\_\_\_ year in 4-H, and my \_\_\_\_\_ year in the \_\_\_\_\_ project. This is my presentation on \_\_\_\_\_\_ (e.g., "How To Keep Your Boat Afloat")
- Share why you selected this topic
- Share why you think this topic is important to the audience

## Body

This is the part of the presentation in which you show and/or tell HOW you will address the heart of your topic - your MAIN IDEA. What do you need to DO, SHOW, and/or SAY to express your main idea? Pay close attention to the ORDER in which you put your ideas or steps – your audience should be able to follow your ideas or steps in a logical, natural order.

Do Or Show	Say	Need (supplies, equipment, visuals)

## Summary Statement and Q&A

This is your last chance to express your main idea to your audience. What do you really want to express your audience? What do you really want your audience to remember? What was accomplished? What does this really mean to you? (Never introduce new material in the summary.) Then ask your audience "Do you have any questions?" The audience will have 3-5 minutes to ask questions. Before responding, always REPEAT the question being asked. Sometimes other people in the room can't hear the question. When they don't hear the question, your answer may not make sense to them.

# **Demonstration vs Illustrated Talk**

How to tell the Difference

What Is Your Style? - Demonstration or Illustrated Talk			
do Ar yourself! Ca all An	Do I want to show and explain the actual steps in doing something?	Do a Demonstration	
	Are visuals the best way to explain my topic?	Do an Illustrated Talk	
	Can I take all the equipment needed or does space allow use of equipment? If the answer is "no,"	Do an Illustrated Talk	
	Am I teaching members of a small group how to do a new skill?	Do a Demonstration	

What Are the Differences?		
Demonstration	Illustrated Talk	
<ul> <li>A demonstration is DOING.</li> <li>A demonstration is SHOWING HOW.</li> <li>As you show how, you tell how.</li> <li>In a demonstration you MAKE something or DO something.</li> <li>There is always a finished product.</li> </ul>	<ul> <li>An illustrated talk is TALKING.</li> <li>An illustrated talk is TELLING HOW</li> <li>In an illustrated talk you use visuals: CHARTS, PICTURES, MODELS, CUTOUTS, ETC.</li> </ul>	
What Is the Same?		
<ul> <li>Minimum of 3 Poster Boards (NOT a Trifold) or Slides</li> <li>Visual aids and props are used</li> <li>Can be a team presentation of up to 3 people.</li> <li>No note cards.</li> <li>Presentation time should be 3-15 long.</li> </ul>	PRESENTATION	

# Illustrated Talk vs Educational Display Talk

How to tell the Difference

What Is Your Style? - Illustrated Talk or Educational Display			
Ask yourself!	Do I want to give a presentation that uses poster boards or slides to outline my presentation and provide supportive graphics?	Do an Illustrated Talk	
	Do I want to put all of my presentation on a single display board (tri-fold or 4'x4')?	Do an Educational Display Talk	
	Do I want to stand in front of everyone while the judges read my presentation; then do I want to have a discussion with the judges?	Do an Educational Display Talk	
	Do I want to give my presentation verbally?	Do an Illustrated Talk	

What Are the Differences?				
Educational Display Talk	Illustrated Talk			
<ul> <li>Length talking is 3-5 minutes, total length is 3-15 minutes</li> <li>1-2 Presenters</li> <li>1 Poster Board (Tri-Fold or 4'x4')</li> <li>Brief review of the sections on the display but don't read the display nor repeat the steps presented in the display.</li> <li>Explain the intended audience for the display, what ideas you hope the viewer will learn from the display, and where the display may be used.</li> </ul>	<ul> <li>Talking length is 3-15 minutes</li> <li>1-3 Presenters</li> <li>Minimum of 3 poster boards or slides (not a tri-fold)</li> <li>An illustrated talk is TELLING HOW with the support of visual aids like: CHARTS, PICTURES, MODELS, CUTOUTS, ETC.</li> </ul>			
What Is the Same?				
• No note cards may be used.				

## **4-H Presentation Helpful Hints**

Steps in Developing your Presentation	Posters		
<ul> <li>Visualize the audience</li> <li>Choose the project most interesting to you</li> <li>Decide on a goal</li> <li>Gather information</li> <li>Develop an outline</li> <li>Organize your presentation</li> <li>Consider the title</li> <li>Practice with equipment or visual aids</li> <li>Practice your presentation several times</li> </ul>	<ul> <li>Standard poster size is 22 by 28 inches</li> <li>Dark, block letters on light colored poster board</li> <li>Letters should be larger for titles and smaller for other print</li> <li>Use a ruler for straight lines</li> <li>Practice using your poster</li> <li>Pictures and drawings go along with topic</li> <li>Even margin around poster</li> </ul>		
Ask Yourself?	Check it Over		
<ul> <li>Is it large enough for the audience to see?</li> <li>Is it easy to use?</li> </ul>	<ul><li> Is it colorful?</li><li> Does it stress or explain a point?</li></ul>		
Electronic Slide Tips			
<ul> <li>Remember electronic slides add to a prese and listening to you as well.</li> <li>Know your audience, a cartoon or humore</li> <li>When choosing a design background, material</li> </ul>	ous quote may not be effective.		

- When choosing a design background, maintain that same background throughout the slides.
- Do not pack too much information on one slide.
- Limit the use of wild colors, noises, and animations they could distract from your message.
- Use appropriate fonts, colors, and pictures that match your topic continue the color scheme throughout.
- Make sure the audience can read your slides.
- When presenting information do not turn and read off the slide/screen.
- Bring an extra copy of your presentation saved on a disk or thumb/flash drive and a hard copy in case the computer is not working.
- Practice your presentation and use of equipment beforehand

## **4-H PRESENTATION IDEAS**

#### **AEROSPACE**

- Construct and fly a rocket
- Building a solid engine rocket
- What is aerospace
- Careers in aerospace

#### 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
- Showmanship
- 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 the 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

#### **CLOTHING** (continued)

- 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 a 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
- Chat etiquette
- History of computers
- Building websites

## 11/24 Presentation Day

## COMPUTERS (continued)

• 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

## ELECTRICITY/ELECTRONICS

## (continued)

- 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 electronic symbols
- Classifying circuits
- Stripping wire
- Using a volt-ohm meter
- Electrician's tools
- Soldering

## <u>ENERGY</u>

- 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

## <u>FISHING</u>

- 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
- Fileting 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

## FOOD AND NUTRITION (continued)

- 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

## <u>GOATS</u>

- Identify breeds of meat goats
- Identify breeds of dairy goats
- Anatomy of goats
- Equipment for raising goats
- Breeding goats
- Kidding goats
- Fitting & showing goats
- Foot rot treatment
- Diseases within goats
- Vaccinations
- Feed goats
- External parasites
- Milk production
- Records
- Milk safety/quality

## 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

## **LEADERSHIP**

- Parliamentary procedures
- Elements of effective meetings
- How to make a resume
- Goal setting
- Different leadership styles
- Club officers

## <u>MEATS</u>

- 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

## OUTDOOR ADVENTURE

- Planning an outdoor adventure
- Equipment needed
- Safety skills
- Cooking meals outdoors
- Careers related to outdoors
- How to read a map
- "Leave no trace"
- Hiking
- Kayaking

#### OUTDOOR ADVENTURE (continued)

- Packing a backpack
- Knot tying

## PHOTOGRAPHY

- Parts of a camera and what they do
- Posing subjects for pictures
- Taking pictures to tell a story
- Mounting pictures in a scrapbook
- Photographing animals
- Displaying your photographs
- Choosing a 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

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## POULTRY (continued)

- Poultry washing
- Hatching chicks
- Poultry diseases
- Hen reproductive 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

## <u>SAFETY</u>

- 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

## <u>SHEEP</u>

- 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
- Pig parts
- Swine breeds
- Swine diseases
- Minerals pigs require
- Cuts of pork
- Choosing pork
- Pork recipes
- Swine digestion
- Farrowing
- Weaning
- Buying feeder pigs

## 11/24 Presentation Day

## **WEATHER**

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

## WELDING

- Safety
- Basic of welding
- How to make a basic joint
- Welding bead
- Different types of welders
- Careers in welding

## WOODWORKING

- Selection of woodworking tools
- Use and care of tools
- Characteristics of different woods
- Safety in a 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
- How lumber is transported
- Grades of wood and their uses
- Cleaning a paintbrush