

JUNIOR DISTRICT PROJECT ACHIEVEMENT CATEGORIES

ARTS

Objectives:

- To gain knowledge and appreciation for various leisure time activities particularly those in the area of arts.
- To provide an opportunity to develop one's skills in arts.
- To provide an opportunity for expressing originality and creativeness in art forms.
- To provide an opportunity to serve by sharing fun with others.

ARTS

Calligraphy	Drawing	Painting (Oil, Tole, Watercolor, etc.)
Cartooning	Fine Arts Appreciation	Pen & Ink
Computer Graphics and Drawing	Illustrating	Pottery
Costuming	Make-up (clowning, stage, costume, drama)	Printing

BEEF

Objectives:

- To acquire an understanding of beef production including breeding, feeding management practices, by products and end products.
- To acquire skills necessary to own, care or exhibit beef cattle. However actual exhibiting is not a requirement.
- To develop integrity, sportsmanship, cooperation, and public speaking skills by participation in related educational activities, such as demonstrations, talks, judging events, tours and exhibits.

NOTE: Live animals are not permitted.

BETTER BREAKFAST

Lab---30 Minutes

Objectives:

- To learn the foods that should be eaten each day for good health.
- To acquire skills needed to plan, prepare and serve nutritious breakfasts.
- To learn the main nutrients in foods commonly used for breakfast.

Special Procedure:

Each participant will:

- **Prepare and display a breakfast in 30 minutes using a gas range.** Do not bring extra electrical equipment (such as a toaster or grill); the building is not wired to take care of extra load. 4-H'ers are responsible for their own equipment, ingredients, preparation, setting up and displaying of the breakfast. 4-H'ers should display the dish with the appropriate place setting.
- **Plan and bring one day's menu** including the breakfast prepared and displayed.
- Ingredients must be measured on site during the lab competition at DPA. Do not pre measure ingredients for the recipe prior to the contest.
- Wear an effective hair restraint (hair net, spray, and barrette) and closed-toe shoes during breakfast preparation.
- Share knowledge of foods, nutrition and project in discussion with judges.

CAT CARE

Objective:

- To demonstrate sound cat care and management practices including feeding, care, handling and grooming
- To learn basic first aid and simple treatments for cat ailments not requiring veterinary treatment.
- To learn the importance of good nutrition to the health of your cat.
- To learn to appreciate cats as household companions.
- To explore and learn about different breeds of cats and their origins.

NOTE: Live animals are not permitted.

COMMUNICATIONS

Objectives:

- To recognize the necessity of collecting available information on a given topic.
- To encourage careful organization of the material to be presented visually, verbally, or in written form.
- To understand the communication process; to better communicate as an individual and with others; and to understand value of various methods of communication in the community.

NOTE: Videos, slides, computers, may be used in the Photography and Communications projects only. 4-H'ers must provide their own slide projector, Video projector, computer screen, extension cord, etc

COMPANION ANIMALS

Objectives:

- To demonstrate sound companion animal and management practices including feeding, care, handling, and grooming.
- To learn basic first aid and simple treatments to pet ailments not requiring veterinary attention.

NOTE: Dog and Cats have their own projects and should not be included in Companion Animals. Livestock (horses, cattle, swine, sheep, lambs and goats) are not considered pets and are excluded from this project. Live animals are not permitted.

COMPUTERS

Objectives:

- To develop a greater appreciation for science.
- To encourage a scientific inquiry and intellectual curiosity.
- To provide opportunities for the development of knowledge and skills in the field of electronics or computers.

NOTE: Computer(s) and computer equipment/programs may be used in the Computer project only and again the 4-H'er must furnish all of his/her equipment.

CONSERVATION OF NATURAL RESOURCES

Objectives:

- To enable 4-H members to achieve a better understanding of the importance of conserving the earth's natural non-renewable resources.
- To enable the member to become a more effective citizen by conserving natural resources today and for the future.

- To learn appropriate practices and methods of conservation.
- To develop the 4-H member's leadership traits and ability to speak before an audience.

NOTE: The project includes activities involving conservation of non-renewable natural resources such as natural gas, oil, coal and other energy sources, water, air and soil. This also could include preventing their loss and/or reclaiming them to be used again.

CRAFTS

Objectives:

- To gain knowledge and appreciation for various leisure time activities especially crafts.
- To provide an opportunity to develop one's skills in craft making.
- To provide an opportunity for expressing originality and creativeness in art forms.
- To provide an opportunity to serve by sharing fun with others.

CRAFTS

Basketry	Food Crafts (cake decorating)	Paper-Mache
Bead Work	Jewelry Making	Quilting
Block Printing	Knitting	Recycled Crafts
Braiding	Leather Work	Rock Art
Candle Making	Macramé	Rope Art
Carving (wood, soap, stone)	Marionette & Puppet Construction	Sand Crafts
Ceramics	Metal Crafts	Scrapbooking
Copper Tooling	Model Building	Shrink Art
Crocheting	Mosaics	Textile Art
Decoupage	Nature Crafts	Textile Painting
Dough Art	Needlework	Weaving
Embroidery	Paper Crafts	Wood Carving (constructions, whittling, etc.)
Embossing		

DAIRY AND MILK SCIENCE (includes MILK GOATS)

Objectives:

- To encourage interest in dairying and develop a "dairy mindedness" in 4-H members.
- To teach 4-H members the importance and place of the dairy cow and dairy goat in a well rounded farm program and the production and marketing of dairy products.
- To demonstrate the value of proper and efficient feeding and management of dairy cattle. Actual ownership is not required
- To learn and appreciate the contribution of science and its application to the dairy industry.

NOTE: Live animals are not permitted.

DAIRY FOODS LAB--1 1/2 Hours

Objectives:

- To understand the role milk and other dairy foods play in providing important nutrients for health and growth.
- To identify the nutrients and their functions in dairy foods.
- To determine the amount of milk or the dairy foods required by the MyPyramid.gov for different age groups.

- To select appropriate foods according to nutrient, fat and calorie content to balance daily physical activities.
- To demonstrate skills in planning, purchasing, preparing and serving dairy foods in meals and snacks.

Special Procedures:

Each Participant will:

1. Plan and bring **one day's menu** which includes the dairy food snack to be prepared.
2. **Prepare one dairy food snack** . Ethnic foods are permitted.

- The **snack** to be prepared must be finished and displayed within the required time of **one and one half hours**. Time includes set up, preparation, display and cleanup. 4-H 'ers must provide all food, supplies and equipment needed for preparation, display and cleanup.
- 4-H 'ers must use proper management and food preparation techniques and must serve **snack** in an appropriate way.
- 4-H'ers should supply the recipe prepared for the judges' review
- Ingredients for recipe must be measured on site during the lab competition. Do not pre measure ingredients for the recipe prior to the contest.
- Wear appropriate clothes, closed-toe shoes and **hair nets**.
- Share knowledge of foods, nutrition and project during discussion with judges.
- The recipe must contain a specified amount of dairy products to qualify as a dairy recipe. For a recipe that serves four, the minimum amount for one source of dairy foods is listed in the following table. These dairy ingredients contain approximately equal amounts of calcium. More than one dairy ingredient may be used. The combined dairy ingredient should equal or exceed the minimum amount for one ingredient.

NOTE: For ideas on appropriate menus and a one page menu planner

FOOD	Amount for 4 Servings	FOOD	Amount for 4 Servings
<i>MILK</i> Whole, 1 or 2%, Fat Free Buttermilk, Chocolate or Evaporated	2 cups (700 mg Ca)	<i>Yogurt</i>	2 cups (830 mg Ca)
		<i>Ice Milk, Ice Cream, Frozen Yogurt</i>	3 cups (528 mg Ca)
<i>Evaporated Skim</i>	1 cup (736 mg Ca)	<i>Cottage Cheese</i>	2 cups (276 mg Ca)
<i>Non-Fat Dry Milk</i>	1/2 cup (754 mg Ca)	<i>Cheese - Cheddar, Swiss, Mozzarella</i>	3 oz. (624 mg Ca)
<i>Processed Cheese - American</i>	3 oz. (489 mg Ca)	<i>Grated Cheese</i>	2/3 cup

NOTE: The following dairy foods are not considered good sources of calcium for the amount of calories and protein provided. The following ingredients may be included in the recipe but may not count as the major dairy ingredient: Sour Cream, Cream Cheese, Whipping Cream, Sweetened condensed milk, Butter, Margarine, Half & Half

DOG CARE AND TRAINING

Objectives:

- To develop an understanding of the values of scientific research and its influence upon dog husbandry.
- To demonstrate sound dog care and management practices including feeding, care, handling, grooming and fitting.

- To learn and follow basic regulations for dog health including first aid and simple treatments for ailments not requiring veterinary attention.

NOTE: Live animals are not permitted

ENTOMOLOGY

Objectives:

- To provide learning experiences so young people will have a better understanding and appreciation of Entomology.
- To provide learning experiences so young people will learn how to make simple identification of insects and other arthropods (spiders, ticks, mites, scorpions, etc.)
- To provide learning experiences so young people may learn how to make insect surveys and control harmful insects and arthropods (spiders, ticks, mites, scorpions)

NOTE: Live animals, including insects, are not permitted

ENVIRONMENTAL SCIENCE

Objectives:

- To enable 4-H members to gain an awareness of environmental trends and issues relating to ecosystems, humankind and the environment, pollution and waste management.
- To enable members to become effective and informed citizens by understanding public concerns for the environment.
- To learn and demonstrate the value and benefit of both current and experimental practices which strive to promote solutions to environmental challenges.
- To develop the 4-H member's leadership traits and abilities to speak before an audience.

NOTE: The project includes activities involving ecology, waste management, pollution and its consequences, and the overall relationship between populations and their impact on communities.

FAMILY RESOURCE MANAGEMENT

Objectives:

- To develop an awareness of how values, goals, and resources such as time, income, and human capital affect our decision-making and management behavior.
- To learn how to develop a simple plan for spending.
- To understand basic consumer rights and responsibilities.
- To develop an awareness of skills needed to make wise purchasing decisions.
- To identify consumer protection laws, consumer protection agencies and consumer organizations, how they work and the purpose they serve.
- To develop an awareness of borrowing, saving, and investment options and how they work
- To share time and money management information with others.

FASHION REVUE

Objectives:

- To enhance personal appearance and self-esteem through improved posture and good grooming habits.
- To learn basic modeling techniques.
- To understand basic elements and principles of art as related to improved personal appearance.
- To learn to select and use sewing and pressing equipment.
- To acquire knowledge and develop skills necessary to make simple outfits.

- To develop ability to select suitable and becoming accessories.
- To develop ability to judge value of garment in relation to time and money spent.
- To learn basic fiber and fabric terminology.

Special Procedure:

Each participant will:

- Construct (sew) a simple outfit to model at DPA. Outfit must be either:
 - simple skirt and top or
 - simple pants and top or
 - simple shorts and top or
 - simple dress
- Answer questions concerning construction and sewing techniques

NOTE: Garments are judged with the 4-H Quality Construction Checklist as a guide

FESTIVE FOODS FOR HEALTH

Lab--1 hour

Objectives:

- To plan menus low in fat, sodium, sugar, calories, or a combination of the above utilizing the MyPyramid.gov and to plan a party menu including the dish prepared.
- To practice recommended food preparation skills including food safety by preparing international / ethnic foods, or party foods/ appetizers/ hors d'oeuvres.
- To select appropriate foods for content of fat, salt, sugar or calories in the diet.
- To determine the calories in foods / dishes prepared.

Special Procedures:

Each participant will:

1. Plan and bring **one day's menu** which includes the party snack to be prepared.
2. **Prepare one international/ethnic or party food/appetizer/hors d'oeuvre** from the menu.
 - The **food** to be prepared must be finished and displayed within the required time of **one hour**. Time includes set up, preparation, display and cleanup. 4-H 'ers must provide all food, supplies and equipment needed for preparation, display and cleanup.
 - 4-H 'ers must use proper management and food preparation techniques and must serve **snack** in an appropriate way
 - Ingredients for recipe must be measured on site during the lab competition. Do not pre measure ingredients for the recipe prior to the contest.
 - Wear appropriate clothes, closed-toe shoes and a **hair net**.
 - Share knowledge of foods, nutrition and project during discussion with judges.

FLOWERS, SHRUBS AND LAWNS

Objectives:

- To help boys and girls develop a better understanding of and an appreciation for plants and their role in beautification of the environment and the home landscape.
- To help boys and girls develop poise, leadership, and the ability to express themselves before an audience.
- To learn how to plant, grow, and appreciate flowers, shrubs, and grasses.
- To learn the basic principles of landscape design.

FOOD FARE (EFNEP/FNP *)

Lab--1 hour

Any youth participating in this project must be certified as eligible.

Objectives:

- To learn how to plan menus using the MyPyramid.gov and to a one day menu.
- To learn how fruit and/or vegetable salads can play a role in the diet by including them in daily food plans.
- To learn basic food preparation skills by preparing fruit and/or vegetable salads.

Special Procedures:

Each participant will:

1. Plan and bring **one day's menu** which includes the fruit/vegetable salad to be prepared.
2. **Prepare one fruit and/or vegetable salad** from the menu.

- The **food** to be prepared must be finished and displayed within the required time of **one hour**. Time includes set up, preparation, display and cleanup. 4-H 'ers must provide all food, supplies and equipment needed for preparation, display and cleanup.
- 4-H 'ers must use proper management and food preparation techniques and must serve **snack** in an appropriate way. Ingredients for recipe must be measured on site during the lab competition. Do not pre measure ingredients for the recipe prior to the contest.
- Wear appropriate clothes, closed-toe shoes and **hair net**.
- Share knowledge of foods, nutrition and project during discussion with judges.

NOTE: For ideas on appropriate menus and a one page menu planner

FOOD FAST & HEALTHY (EFNEP/FNP *)

Any youth participation in this project must be certified as eligible.

Objectives:

- To explain the relationship of healthy eating to healthy living using the guidelines found in the MyPyramid.gov.
- To select appropriate foods and snacks for content of either fat, salt of calories, or a high content of fiber in the diet.
- To understand the relationship of calories and exercise to health.
- To understand nutrition labels.
- To make better food buying decisions by practicing comparative shopping to plan menus using the Mypyramid.gove

FOOD FOR HEALTH AND SPORT

Objectives:

- To learn how the food you eat can help you feel better and understand the relationship of nutrition to health and disease prevention.
- To learn why your body needs nutrients, factors affecting nutritional needs and important food sources of key nutrients.
- To become aware of the importance of good nutrition for sports performance, especially energy and fluid needs of the athlete.
- To learn the role of nutrition, specifically carbohydrates and fluids, in performance.

FOOD SAFETY AND PRESERVATION

Objectives:

- To learn how to handle and store food safely to prevent food borne illness.
- To learn how to store food so it retains its quality and much of its nutritive value.

- To acquire the knowledge and skills essential for the successful preservation of food.
- To learn the scientific principles of food safety, preservation and storage.

FOREST RESOURCES AND WOOD SCIENCE

Objective:

- Develop an understanding of and appreciation for the fiber products of the forest.
- Acquire knowledge and develop skills in the selection and use of various types of wood and wood products
- Acquire knowledge and develop skills in the selection, care and safe use of woodworking tools and machines.
- Learn about the business and economics of the forest products industry.
- Learn about environmental protection and the wise use of natural resources.
- Explore career, job and production leisure opportunities.
- To understand and practice good forestry practices.
- To understand the importance of keeping America "green" by preventing forest fires.

NOTE: Plan, prepare and give demonstration or illustration talk on some phase of wood science. This can be on the use and care of tools or on some construction procedure. Displays and exhibits of birdhouses, what-nots, etc., will not be permitted.

FRUITS, VEGETABLES AND NUTS

Objectives:

- To create an interest among boys and girls in fruit, vegetable and nut production.
- To provide learning experience so young people will acquire knowledge and develop skills in the care and management of fruit, vegetable or nut projects.

GENERAL RECREATION

Objectives:

- To gain a knowledge and appreciation for various leisure time activities, particularly those in the area of collection, hobbies, social recreation, and community service.
- To develop a worthwhile and enjoyable hobby or skill for a meaningful leisure time activity.
- To develop appropriate skills for leading others in social recreation activities.
- To provide an opportunity to serve by sharing fun with others.

Collections	Hobbies	Community Service & Social Recreation	
Cartoons	Aquariums	Lighting	Card Games
Coins	Astrology	Magic & other skilled acts	Dance (Folk, Social)
Insects	Chess	Stage Skill Demonstrated	Party Game Leadership
Leaves	Flower Arranging	Makeup	Party Preparation
Rocks	Reading	Play Writing	Recreation Leadership
Stamps	Scrapbooking		

HEALTH

Objectives:

- To learn the skills needed to choose products or services that maintain or improve health or appearance.
- To learn to identify and control factors that produce stress.
- To develop healthy habits that prevent abuse of drugs, alcohol and cigarettes.

- To learn general health principles that promote good health, physical fitness and attractive appearance.

HISTORY

Objectives:

- To develop leadership abilities, build character and assume citizenship responsibilities
- To develop an appreciation for history as it relates to our culture and influences in our present time.
- To gain knowledge of historical events, figures, clothing, and architecture.
- To explore the past to gain meaning for the future.
- To gain an understanding of various movements of the past including but not limited to the civil rights movement, the woman's movement or industrialization.
- To explore historical developments relative to different regions of the world including civic, cultural, economic and historical elements

HORSE

Objectives:

- To develop leadership abilities, build character and assume citizenship responsibilities.
- To experience the pride of owning a horse or pony and being responsible for its management. Actual ownership is not required
- To develop an appreciation for horseback riding as a healthy and wholesome form of recreation.
- To learn skill in horsemanship and an understanding of the business of breeding, raising, and training horses.
- To increase knowledge of safety precautions to prevent injury to themselves, others, and their mounts.
- To promote greater love for animals and a humane attitude toward them.
- To be better prepared for citizenship responsibilities through working in groups and supporting community horse projects and activities.

NOTE: Live animals are not permitted.

HOUSING, EQUIPMENT AND ENVIRONMENT

Objectives:

- To gain an understanding of how housing can help satisfy the human need for shelter, security, privacy, social interaction, self-expression and space requirements.
- To explore family housing needs from the standpoint of health, safety, and finance.
- To study the various types of housing available and to develop judgment in selecting housing to meet family needs at different stages of the life cycle.
- To gain an understanding of energy and water requirements of the home environment and simple conservation measures.
- To gain an understanding of the importance of household waste management, water and indoor air quality in the home environment.
- To gain an understanding of technological devices and their use within the household. (limited to HVAC systems, Smart Homes, solar energy, Not household equipment.)
- To share knowledge gained in housing, household equipment and the housing environment with others.
- To explore the variety of household equipment and the appropriate uses for those in the home.

HUMAN DEVELOPMENT

Objectives:

- To learn more about your past, present and future.
- To learn about the ways other people are a part of your life.
- To learn more about the ways we develop socially, mentally, physically and spiritually.
- To be involved in community problems and events.
- To share what was learned in project activities.

INTERNATIONAL

Objectives:

- To learn about another country's culture, traditions, festivals/celebrations, geography, population, religions, education, foods and language.
- To understand and appreciate differences in various cultures.
- To increase awareness and understanding of international events.
- To create global friendships through hosting, outbound travel, contacting 4-H'ers in other countries or through other creative means.
- To apply knowledge learned through project clubs and presenting programs to civic groups.
- To promote 4-H International Programs by promoting and contributing to the Georgia 4-H International Website or encouraging participation in 4-H Exchange Programs.

MARINE RESOURCES

Objectives:

- To learn something about the different forms of marine life (salt waters, marsh areas and brackish waters).
- To learn something about the place of each group of marine life as a part of our marine resources and world of nature.
- To better appreciate our marine resources and how to conserve, protect, and utilize our marine resources through conservation and management.
- To appreciate marine resources as a recreational opportunity.

NOTE: Live animals including hermit crabs and aquatic animals are not permitted

MUFFINS

Lab--1 hour

Objectives:

- To learn to make muffins and to judge the characteristics of a quality product.
- To learn the main nutrients available from breads and cereals.
- To develop an appreciation of the value of bread in the diet and how it relates to the Food Guide Pyramid.

Special Procedure:

Each participant will:

- **Make muffins using the standard recipe** found below. If the recipe listed below is not used, the participant is ineligible to be named the district winner in this project 4-H'ers must provide all food, supplies and equipment needed for preparation, display and clean up. All preparation, display and clean up must be done by the 4-H'er.
- Use proper management and food preparation techniques and display the muffin in an appropriate way. Plan and bring **one day's menu** which includes the muffin prepared.
- Measure all ingredients on site during the lab competition. Do not pre-measure ingredients prior to the contest.

- Wear **hairnet** and close toed shoes.
- Share knowledge of foods, nutrition and project in discussion with judges.

NOTE: For ideas on appropriate menus and a one page menu planner

OUTDOOR RECREATION

Objectives:

- To gain knowledge and appreciation for various leisure time activities, particularly those in the area of outdoor recreation.
- To provide an opportunity to develop one's skills in outdoor recreation.
- To provide an opportunity to serve by sharing fun with others.

Bait Casting	Fishing	Camping
Bicycle	Fly Casting & Tying	Camp Shelter
Boating/Sailing	Hiking & Backpacking	Compass & Map
Bird Watching	Horseback Riding	Fire Building
Canoeing	Skin & Scuba Diving	Knot Tying
Care of Outdoor Equipment	Skiing	Orienteering
Spelunking	Rappelling	Outdoor Cooking
Paintball		

PERFORMING ARTS - GENERAL

Baton Twirling	Magic Act	Puppetry	Pantomime	Interpretive Reading	Singing & playing instrument	Dance Monologue
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PERFORMING ARTS - INSTRUMENTAL

NOTE FOR PIANISTS: Pianists are expected to play the piano provided and may not have additional accompaniment. Examples of Performing Arts Instrumental are:

Piano	String instruments	Percussion instruments	Wind instruments	Other musical instruments
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PERFORMING ARTS - VOCAL This area is evaluates the singing ability of a performer. Singers may play their own accompaniment, use an accompanist or use an accompaniment tape or cd. Instrumentation will not be judged in this area

Objectives:

- To gain knowledge and appreciation for various leisure time and activities.
- To provide an opportunity for expressing originality and creativeness and the Performing Arts area.
- To provide an opportunity to develop one's skills in the Performing Arts field.
- To provide an opportunity to serve by sharing fun with others.

PHOTOGRAPHY

Objectives:

- Understand and be able to apply the principles of lighting indoors, including flash photography and available light.
- Understand the mechanics of adjustable cameras and interchangeable lenses, as well as different camera film formats (sub miniature, 35 mm, 6 cm, 4 x 5) and operational types (range finder, twin lens reflex, single lens reflex, view finder and video camera).
- Develop a working knowledge of the process involved in processing and printing black and white film, including types of films and characteristics, the chemistry used to process film and paper and be able to show good quality results; or select an area of special interest such as nature, sports or fashion and develop a color slide presentation showing your involvement in this area; or illustrate "how-to-do" something with color slides and a lecture.

NOTE: Videos, slides, computers, may be used in the Photography and Communications projects only. 4-H'ers must provide their own slide projector, video projector, computer screen, extension cord, etc

PHYSICAL, BIOLOGICAL AND EARTH SCIENCES

Objectives:

- To acquire and demonstrate knowledge about and to investigate the scientific aspects of subject matter dealing with non-living matter or energy - physics, chemistry, or astronomy (physical science).
- To acquire and demonstrate knowledge and to investigate the origin, history, characteristic, habits and manipulation of systems in plants and animals (Biological Sciences, Biotechnology).
- To acquire and demonstrate knowledge and to investigate earth and space processes which include geology, astronomy, meteorology, oceanography, and paleontology (earth science)

PIZZA

Lab--1 hour

Objectives:

- To learn to make pizza and to judge the characteristics of a quality product.
- To learn the main nutrients available from breads and cereals.
- To develop an appreciation of the value of bread in the diet and how it relates to mypyramid.gov

Special Procedures

Each Participant will:

- **Make pizza** using the standard recipe found below. One half (1/2) of the pizza must be made with only the toppings listed in the recipe to be tasted by the judges and scored. The other half of the pizza may include toppings of the 4-H'ers choice. This half will not be tasted by the judges. If the recipe listed below is not used, the participant is ineligible to be named the district winner in this project 4-H'ers must provide all food, supplies and equipment needed for preparation, display and clean up
- All preparation, display and clean up must be done by the 4-H'er.
- Plan and bring one day's menu which includes the **pizza prepared**.
- Use proper management and food preparation techniques and display the pizza in an appropriate way. Measure all ingredients on site during the lab competition. Do not pre-measure ingredients prior to the contest.
- Wear a **hair net** and close toed shoes.
- Share knowledge of foods, nutrition and project in discussion with judges.

NOTE: For ideas on appropriate menus and a one-page menu planner

PLANT AND SOIL SCIENCE

Objectives:

- To provide opportunities for improved understanding of modern farming and overall agricultural practices.
- To understand plants and show they grow, reproduce and are utilized.
- To understand soils and how they are formed, their different properties and classifications.

PORK PRODUCTION

Objectives:

- To acquire an understanding of swine breeding, production and management practices and acquire skill necessary to own care for and exhibit swine. Actual ownership or exhibiting is not required.
- To develop integrity, sportsmanship, cooperation and ability to speak in public through participation in related activities, such as demonstrations, talks, judging events, tours and exhibits.

NOTE: Live animals are not permitted at project achievement.

POULTRY AND EGG SCIENCE

- **Objectives:**
- To create an interest in poultry science among boys and girls.
- To develop knowledge about poultry production, poultry science, and/or poultry marketing or utilization.
- To learn and appreciate the contribution of science and its application to the poultry and egg industry.

NOTE: Live animals are not permitted.

POWER AND ENERGY

Objectives:

- To encourage 4-H members to learn more about electricity and the proper use and care of electrical equipment.
- To provide opportunities for the development of knowledge and skills in the field of electronics.
- To train 4-H members to care for tractors, small engines and other farm, garden and lawn machinery skillfully, safely and economically.
- To encourage 4-H members to better understand the function of the automobile power train and to do simple care and maintenance activities.
- To encourage a scientific inquiry and intellectual curiosity.

PUBLIC SPEAKING

Objectives:

- To develop leadership talents and to work toward achieving the broad objectives of character and effective citizenship.
- To recognize the necessity of collecting available information on a given topic.
- To encourage the careful organization of the material to be presented in a speech.
- To develop a pleasing personal appearance before an audience.
- To acquire the ability to speak convincingly in public.

NOTE: Speech is a maximum of 10 minutes and may be on any subject. The speech should be original and in the vocabulary of the 4-H'er making the presentation.

SAFETY

Objectives:

- To learn how to recognize safety hazards and how to correct them.
- To learn that accidents and injuries can be reduced.
- To develop integrity, sportsmanship, cooperation and ability to speak in public through participation in related activities, such as demonstrations, talks and exhibits.

SHEEP AND MEAT GOAT

Objectives:

- To acquire an understanding of lamb or meat goat breeding, production, and management practices and acquire skill necessary to own care for and keep records on these animals. However, actual ownership or exhibiting them is not required.
- To develop integrity, sportsmanship, cooperation, and ability to speak in public through participation in related activities; such as demonstrations, talks, judging events, tours and shows.

NOTE: Live animals are not permitted.

SPORTS

Objectives:

- To gain knowledge and appreciation for various leisure time activities, particularly those in the area of sports.
- To provide an opportunity to develop one's skills in sports.
- To provide an opportunity to serve by sharing fun with others.

This division would include all sports (both team and individual). Specifically, the following activities would be classified in this division:

Team

Volleyball Hockey Basketball Softball Soccer Football Baseball Lacrosse

Individual

Wrestling	Extreme Sports	Golf	Fencing	Badminton	Handball	Skiing
Skating	Weight Lifting	Cheerleading	Ping Pong	Billiards	Horseshoes	Swimming & Diving
Tumbling & Gymnastics	Boxing	Paddle Tennis	Track & Field	Bowling	Judo, Karate	Tennis

TARGET SPORTS

Objectives:

- To introduce 4-H'ers to the sport of shooting fire arms or archery.
- To create an awareness of shooting safety.
- To develop poise and self-control.

- Encourage 4-H'ers to better understand and demonstrate all phases of firearms and/or archery usage.

NOTE: Firearms and like weapons including but not limited to rifles, shotguns, bb guns, paintball guns, potato guns and other items that propel a projectile are not allowed to be used as visual aids in any 4-H presentations. Additionally any bacteriological weapon, biological weapon, destructive device, detonator, explosive, incendiary, over-pressure device, poison gas or explosive device may not be used in any 4-H presentations.

TEXTILE, MERCHANDISING & INTERIORS

Objectives:

- To improve self-confidence through grooming practices and clothing selection.
- To learn basic principles of wardrobe planning and coordination.
- To learn proper clothing care practices and develop maintenance skills.
- To learn basic textile fiber and fabric terminology.
- To study textiles with emphasis on selection, use, performance and care.
- To develop the skills needed to select quality ready-to-wear.
- To study fashion with emphasis on fashion innovation, trends, product categories, marketing, and advertising.
- To recognize and use properly the elements and principles of design in relation to home furnishings and interiors.
- To gain experience in making and reading a scaled drawing of a home floor plan, planning work centers within the home, and conducting simple household repair and improvement projects.
- To select, arrange and care for interiors and home furnishings including furniture, home textiles, window treatments, accessories and the home structure including hard surfaces, coverings and fixtures.

VETERINARY SCIENCE DEMONSTRATION

- **Objectives:**
- To acquire knowledge about the scope and opportunities available in Veterinary Medicine.
- To acquire knowledge and thus be better prepared to care for animals in the most efficient manner in both health and disease.
- To determine a "normal" animal and reasons for variations.

NOTE: Live animals are not permitted.

WILDLIFE

Objectives:

- To develop understanding about the wildlife resources in the state.
- To develop knowledge about feeding, reproduction, habitat, and enemies of various wildlife in the state.
- To develop integrity, sportsmanship, cooperation and ability to speak in public through participation in related activities, such as demonstrations, talks, tours, and exhibits.

NOTE: Live animals are not permitted.

WORKFORCE PREPARATION AND CAREER DEVELOPMENT

Objectives:

- To understand and demonstrate how personal values, goals, skills, interests, hobbies and available resources affect career choices.
- To develop leadership abilities, build character and assume citizenship responsibilities.
- To learn about age appropriate jobs for Juniors such as babysitting, lawn care, etc.
- To explore admission requirements for advance educational programs including college and technical programs.