

CANINE SCIENCE

Agricultural Science and Technology

A. The elements in this subsection are common to all agricultural science and technology course, unless otherwise indicated, and shall be included in each course at the appropriate level. Every school offering agricultural science and technology shall provide courses which include the following essential elements:

1. Leadership concepts and skills. The student shall be provided opportunities to:
 - a. Demonstrate skills, characteristics, and responsibilities of leaders and effective group members;
 - b. Demonstrate a knowledge of parliamentary procedure principles;
 - c. Plan and conduct leadership activities; and
 - d. Prepare for effective citizenship and participation in our democratic society.
2. Concepts and skills related to successful employment and/or post secondary training. The student shall be provided opportunities to:
 - a. Identify employment opportunities and preparation requirements in chosen field;
 - b. Identify effective methods to secure and terminate employment;
 - c. Demonstrate effective communication skills, both oral and written, and follow through on assigned tasks;
 - d. Demonstrate dependability and punctuality;
 - e. Demonstrate productive work habits and attitudes;
 - f. Understand the importance of taking pride in the quality of work performed;
 - g. Recognize the dignity in work;
 - h. Develop skills in planning and organizing work;
 - i. Apply required methods and sequences when performing tasks;
 - j. apply principles of time management and work simplification when performing tasks;
 - k. Identify ethical practices and responsibilities; and
 - l. Understand the importance of the application of organization policies and procedures.
3. Concepts and skills associated with entrepreneurship. The student shall be provided opportunities to:
 - a. Identify opportunities for business ownership;
 - b. Understand the risk and profit motive factor;]
 - c. Understand the elements and advantages of the free enterprise system; and
 - d. Explain the role of small business in the free enterprise system.
4. Concepts and skills related to safety and safe working conditions. The student shall be provided opportunities to identify and apply safe working practices to all training situations.
5. Concepts and skills associated with human relations and personality development. The student shall be provided opportunities to:
 - a. Understand the importance of maintaining good health and proper appearance for effective job performance;]
 - b. Understand oneself and others;
 - c. Exercise self-control;

- d. Accept and use criticism
 - e. Recognize basic human relationships as they relate to business success;
and
 - f. Demonstrate characteristics for successful working relationships.
6. Concepts and skills related to personal and business management. The student shall be provided opportunities to:
- a. Explain how management assists in reaching personal and family goals;
 - b. Explain the management process;
 - c. Describe the role of management in controlling stress;
 - d. Identify and understand personal checking accounts;
 - e. Identify and understand personal loan application processes;
 - f. Identify and understand different financial institutions;
 - g. Identify the role and functions of business management;
 - h. Understand the lines of authority; and
 - i. Identify effective supervisory techniques.
7. Concepts and skills related to supervised agricultural activities. The student shall be provided opportunities to plan and conduct/perform supervised agricultural activities.

B. Agricultural Science () – Canine Science: **1-2 units**; shall be a laboratory-oriented course that includes the essential elements and the concepts and skill related to canine science.

The student shall be provided opportunities to:

1. Recognize the importance of responsible dog ownership;
2. Evaluate and discuss breeds and groups of dogs;
3. Determine nutritional requirements of dogs;
4. Describe the anatomy and physiology of dogs;
5. Explain methods of maintaining a dog in a health and sound condition;
6. Discuss, describe or utilize equipment and facilities for raising and training dogs;
7. Understand the methods of handling dogs safely;
8. Identify procedures and problems with breeding dogs;
9. Understand the importance of socialization of dogs; and
10. Discuss, observe or describe training dogs for various purposes.

Units and Topics of Instruction	Period of Instruction	Essential Elements
A. Recognize the Importance of Responsible Dog Ownership	2	
1. The Influence of Dogs On Our Society		s-1
2. Dog Ownership Obligations and Benefits		s-1
B. Select Dogs According to Use	2	
1. Selection of Dogs		s-2 & 9
C. Select Dogs Considering Size, Age, Coat Type and Pedigree	3	
1. Selecting Dogs with Reference to Age		s-2
2. Types of Coat and Size of Dog		s-2 & 9
3. Evaluation of Canine Pedigrees		s-2
D. Evaluate the Conformation of Dogs	3	
1. Anatomy of Dogs		s-4
2. Conformation of the Dog		s-4
3. Problems and Unsoundness of Dogs		s-4
E. Select the Breed of Dogs	2	
1. Breed of Dogs		s-2
F. Determine Nutritional Requirement of Dogs	5	
1. The Canine Digestive System		s-3
2. Classes of Feeds for Dogs		s-3
3. Nutrient Requirements of Dogs		s-3
4. Feeding Management Techniques for Dogs		s-3
G. Explain Methods of Maintaining Dogs Health	6	
1. Vital Life Signs of Dogs		s-5
2. First Aid for Dogs		s-5-7
3. Canine Dental Problems and Treatment		s-5-7
4. Internal and External Parasites of Dogs		s-5
5. Infectious and Hereditary Diseases of Dogs		s-5
H. Identify Methods of Grooming Dogs	4	
1. Daily and Weekly Grooming of Dogs		s-5-7 & 9
2. Trimming and Clipping of Dogs		s-5-7 & 9
3. Bathing and Dipping of Dogs		s-5-7 & 9
4. Grooming Dogs for Show		s-5-7 & 9
I. Recognize Methods of Maintaining Dogs Soundness	6	
1. Anatomy and Care of Dogs Feet		s-5-7
2. Anatomy and Care of Dogs Eyes		s-5-7
3. Anatomy and Care of Dogs Hips		s-5-7
4. Anatomy and Care of Dogs Hearts		s-5-7

J. Select Training Equipment and Facilities for Dogs	6	
1. Collars, Leashes and Harnesses		s-6
2. Whistles for Dog Use		s-6
3. Handler Safety Equipment and Protection Devices		s-6
4. Electric, Remote Collars and Apparatus		s-6
5. Feeding and Watering Equipment for Dogs		s-6
6. Kennels, Dog Runs and Crates		s-6
K. Understanding the Methods of Handling Dogs	6	
1. Catching and Holding Dogs		s-6-7
2. Socializing Puppies		s-6-7 & 9
3. Restraining Dogs		s-6-7
4. Loading, Hauling and Traveling with Pets		s-6-7 & 9
5. Obedience Training for Dogs		s-6-7 & 9
6. Specialized Training for Dogs		s-6-7 & 9
L. Identify the Proper Breeding Procedures for Dogs	4	
1. Canine Reproductive System		s-8
2. Canine Breeding Techniques		s-7-8
3. Diagnosing Pregnancy in Dogs		s-6
4. Growth and Development of Dogs		s-8
M. Manage Records of Canine Related Enterprises	3	
1. Maintaining Kennel Club and Canine-Related Records		a-7
2. Analyzes Records of Canine-Related Enterprises		a-7
N. Training Dogs for Ability and Breed Use	9	
1. Dogs for Pets		s-9-10
2. Dogs for Hunting		s-9-10
3. Dogs for Livestock Use		s-9-10
4. Dogs for Protection and Law Enforcement		s-9-10
5. Dogs for Search and Rescue		s-9-10
6. Dogs for Drug Identification		s-9-10
7. Dogs for Service and Therapy		s-9-10
O. Plan and Conduct Leadership Activities Related to Canine Science	2	
1. Developing Leadership Skill Related to Canine Science		a-1-A-D
2. Participating in Leadership Activities Related to Canine Science		a-1-A-D
P. Explore Career Opportunities in Canine Science	3	
1. Careers in the Dog Industry		a-2-A-L
2. Other Careers in Canine Science		a-2-A-L

AGRISCIENCE: CANINE SCIENCE

UNIT A: RECOGNIZE THE IMPORTANCE OF RESPONSIBLE DOG OWNERSHIP

Topic 1: The Influence of Dogs on Our Society

Topic Goal: The student shall be provided the opportunity to recognize the dog's role in the development of our society

Topic Objectives: After completing the topic, the student shall be able to:

1. Discuss the early development of the history of dogs;
2. Describe the dog's introduction, development, breeding in the United States;
3. Discuss the growth of dogs in the United States;
4. Explain the present status of the dog industry; and
5. Discuss the future of the dog industry.

Topic 2: Dog Ownership Obligation and Benefits

Topic Goal: The student shall be provided the opportunity to recognize the responsibilities of dog ownership.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss dog ownership costs;
2. Determine a safe and economical kennel boarding facility; and
3. Recognize the benefits of dog ownership.

UNIT B: SELECT DOGS ACCORDING TO USE

Topic 1: Selection of Dogs

Topic Goal: The student shall be provided the opportunity to properly select various types of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the basis for dog selection;
2. Evaluate the uses of various dog breeds;
3. Distinguish between blemishes and unsoundness of dogs; and
4. Describe the importance of general appearance in breeds of dogs.

UNIT C: SELECT DOGS CONSIDERING SIZE, AGE, COAT TYPE AND PEDIGREE

Topic 1: Selecting Dogs with Reference to Age

Topic Goal: The student shall be able to select a dog by knowing its age, size, coat type and pedigree.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the importance of a puppy's age and proper development;
2. Identify when critical periods of growth are;
3. Discuss the proper care of dogs at various ages; and
4. Discuss how a dog's body develops with age to maturity.

Topic 2: Types of Coat and Size of Dogs

Topic Goal: The student shall be provided the opportunity to recognize basic coat type and size differences of dogs breeds.

Topic Objective: After completing the topic, the student shall be able to:

1. Describe the variety of color and coat types of breeds of dogs/
2. Discuss the various markings of breeds of dogs; and
3. Discuss the size of various breeds of dogs.

Topic 3: Evaluation of Canine Pedigrees

Topic Goal: The student shall be provided the opportunity to evaluate a dog's ancestry, diagram the ancestry on a pedigree and understand titles.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize the role that kennel clubs have in dog ancestry;
2. Diagram a dog's ancestry on a pedigree; and
3. Understand the meaning of titles on a pedigree.

UNIT D: EVALUATE THE CONFORMATION OF DOGS

Topic 1: Anatomy of Dogs

Topic Goal: The student shall be provided the opportunity to identify the anatomy of the dog.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize the parts of a dog;
2. Describe the skeletal structure of a dog;
3. Explain what muscles do for the skeleton of a dog; and
4. Discuss the organs of a dog's body.

Topic 2: Conformation of the Dog

Topic Goal: The student shall be provided the opportunity to evaluate the conformation of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Describe the mechanics of dog movement;
2. Recognize the parts and skeletal structure of dogs;
3. Evaluate the general appearance of various dog breeds;
4. Discuss the importance of balance in dogs;
5. Describe correct structure and movement in dogs;
6. Evaluate dog conformation defects and resulting problems;
7. Recognize proper muscling in dogs; and
8. Recognize proper conformation of dogs.

Topic 3: Problems and Unsoundness of Dogs

Topic Goal: The student shall be provided the opportunity to distinguish between faults and unsoundness of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Evaluate dog soundness;
2. Understand unsoundness that occurs in a dog's eyes and heart;
3. Understand unsoundness that occurs in a dog's skeletal and muscular system;
4. Understand unsoundness that occurs in a dog's leg and feet;
5. Understand why an animal may not be a good candidate for breeding; and
6. Understand breed genetic unsoundness or faults.

UNIT E: SELECT THE BREED OF DOG

Topic 1: Breeds of Dogs

Topic Goal: The student shall be provided the opportunity to learn the origin, color, weight, height, uses, the location of breed registries and kennel club for various breeds of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the breed, groups and types of dogs;
2. List the origin, description and uses of various breed of dogs;
3. List the address of various breed registries; and
4. List the major kennel clubs

UNIT F: DETERMINE NUTRITIONAL REQUIREMENTS OF DOGS

Topic 1: The Canine Digestive System

Topic Goal: The student shall be provided the opportunity to identify structures and function of the canine digestive system.

Topic Objective: After completing the topic, the student shall be able to:

1. Identify the structures that comprise the dog's digestive system; and
2. Recognize the function of the organs that comprise the dog's digestive system.

Topic 2: Classes of Feeds for Dogs

Topic Goal: The student shall be provided the opportunity to distinguish between various classes of feedstuff for dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the different types and quality for dog food;
2. Differentiate the types of dog food available;
3. Understand the different utilization of food and nutrients available; and
4. Discuss the use of supplements in a dog's ration

Topic 3: Nutrient Requirements of Dogs

Topic Goal: The student shall be provided the opportunity to meet specific nutrient requirements of different classes of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the different types of available energy sources for dog ration;
2. Distinguish among different energy requirements for dogs;
3. Recognize protein uses and requirements for dogs;
4. List the macro-minerals and the requirements of dogs;
5. Differentiate between fat and water soluble vitamins for dogs; and
6. Discuss the water requirements of dogs.

Topic 4: Feeding Management Techniques for Dogs

Topic Goal: The student shall be provided the opportunity to apply proper techniques and management skills associated with feeding dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the concept of free feeding for dogs;
2. List the various types of dog feeders available;
3. Discuss the importance of feeding time and frequency;
4. Discuss how age and body condition affect the amount of feed required by dogs;
5. Recognize the importance of careful ration changes for dogs; and
6. Discuss how appetite can affect feeding dogs.

Unit G: EXPLAIN METHODS OF MAINTAINING DOGS HEALTH

Topic 1: Vital Life Signs of Dogs

Topic Goal: The student shall be provided the opportunity to properly evaluate the vital life signs of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize illnesses in dogs;
2. Determine the respiration rate of dogs;
3. Take the temperature of dogs;
4. Determine the heart rate of dogs;
5. Discuss the need and fundamentals of routine vaccination; and
6. List regular canine vaccines.

Topic 2: First Aid for Dogs

Topic Goal: The student shall be provided the opportunity to properly administer first aid to dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Assemble a first aid kit for dogs;
2. Discuss the various types of wounds that can occur with dogs;
3. Recognize burns and scalds on dogs;
4. Evaluate bruises and fractures on dogs;
5. Discuss strains and sprains of dogs;
6. Evaluate eye and ear injuries of dogs;
7. Work with dog lameness;
8. Properly apply a bandage or wrap on a dog; and
9. Recognize the signs of overheating.

Topic 3: Canine Dental Problems and Treatment

Topic Goal: The student shall be provided the opportunity to properly identify dental problems and to properly treat problems.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss routine dental care in dogs; and
2. Recognize abnormal teeth conditions and their cause in dogs.

Topic 4: Internal and External Parasites of Dogs

Topic Goal: The student shall be provided the opportunity to recognize the life Cycles of certain parasites, the consequences of parasite infestation, and the control of parasites.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss internal parasites of dogs; and
2. Discuss external parasites of dogs.

Topic 5: Infectious and Hereditary Diseases of Dogs

Topic Goal: The student shall be provided the opportunity to recognize and prevent certain diseases of dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize basic dog grooming tools; and
2. Discuss basic dog grooming techniques.

UNIT H: IDENTIFY METHODS OF GROOMING DOGS

Topic 1: Daily and Weekly Grooming of Dogs

Topic Goal: The student shall be provided the opportunity to properly groom a dog.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize basic dog grooming tools; and
2. Discuss basic dog grooming techniques.

Topic 2: Trimming and Dipping of Dogs

Topic Goal: The student shall be provided the opportunity to recognize proper trimming and clipping techniques for dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Define proper dog trimming procedures;
2. Discuss clipping of dogs;
3. Recognize dog clipping and trimming methods for show;
4. Recognize various body clips of dogs; and
5. Discuss why dipping of dogs may be necessary.

Topic 3: Bathing and Dipping of Dogs

Topic Goal: The student shall be provided the opportunity to properly bath and towel dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Describe how to give a dog a bath;
2. Discuss the different dog shampoo and conditioners; and
3. Discuss how to properly towel a dog.

Topic 4: Grooming Dogs for Show

Topic Goal: The student shall be provided the opportunity to groom a dog for show.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss grooming a dog for a conformation show.

UNIT I: RECOGNIZE METHODS OF MAINTAINING DOGS SOUNDNESS

Topic 1: Anatomy and Care of Dog's Feet

Topic Goal: The student shall be provided the opportunity to identify the anatomy of a dog's foot and how to care for a dog's foot.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the structure and movement of dog's feet.
2. Safely handle a dog during nail clipping or trimming;
3. Properly care for a dog's foot; and
4. Discuss methods to protect dog's feet in rough terrain or hunting.

Topic 2: Anatomy and Care of Dog's Eyes

Topic Goal: The student shall be provided the opportunity to identify the anatomy of a dog's eyes and learn the proper methods of eye care.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the component parts of the eye;
2. Discuss dog's ability to detect color; and
3. Explain hereditary eye problems.

Topic 3: Anatomy and Care of Dog's Hips

Topic Goal: The student shall be provided the opportunity to identify the proper anatomy of a dog's hips, including a dog with hip dysplasia.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss hip development and hereditary factors;
2. Explain the crippling nature of hip dysplasia; and
3. Understand the Orthopedic Foundation for Animals (OFA) can diagnose hip dysplasia

Topic 4: Anatomy and Care of Dog's Heart

Topic Goal: The student shall be provided the opportunity to identify the anatomy of the dog's heart and problems of the heart.

Topic Objectives: After completing the topic, the student shall be able to:

1. Identify the parts of the dog's heart; and
2. Discuss hereditary heart problems in dogs.

UNIT J: SELECT TRAINING EQUIPMENT AND FACILITIES FOR DOGS

Topic 1: Collars, Leashes and Harnesses

Topic Goal: The student shall be provided the opportunity to properly fit and use collars, leashes and harnesses

Topic Objective: After completing the topic, the student shall be able to:

1. Properly select and fit collars and harnesses;
2. Select the proper leash for use; and
3. Discuss how to properly put collars on dogs.

Topic 2: Whistles for Dog Use

Topic Goal: The student shall be provided the opportunity to evaluate the use of whistles in dog training.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss whistle use in dog training;
2. Discuss the different use of different whistles; and
3. Describe how hunting dogs work to whistles.

Topic 3: Handler Safety Equipment and Protection Devices

Topic Goal: The student shall be provided the opportunity to observe the importance and use of safety and protective equipment in training.

Topic Objective: After completing the topic, the student shall be able to:

1. Explain the importance of safety equipment; and
2. Discuss why safety equipment is used.

Topic 4: Electric, Remote Collars and Apparatus

Topic Goal: The student shall be provided the opportunity to observe the correct use and learn the benefits of using electric and remote collars.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss how electric collars can be utilized in training dogs and how to properly utilize electric collars; and
2. Explain how a properly used electric collar can be an excellent humane training tool.

Topic 5: Feeding and Watering Equipment for Dogs

Topic Goal: The student shall be provided the opportunity to recognize the function and importance of quality feeding and water equipment.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss hand and automatic feeding equipment for dogs;
2. Describe the methods used for water dogs; and
3. Explain the importance of sanitation of food and water equipment.

Topic 6: Kennels, Dog Runs and Crates

Topic Goal: The student shall be provided the opportunity to evaluate and select kennels, dog runs and crates.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the function, use and planning of kennels;
2. Describe the properties of a good kennel to board a dog;
3. Understand the function of dog runs and crates; and
4. Discuss crate training for dogs.

UNIT K: UNDERSTANDING THE METHODS OF HANDLING DOGS

Topic 1: Catching and Holding Dogs

Topic Goal: The student shall be provided the opportunity to observe how to catch and hold dogs.

Topic Objectives: After completing the topic, the student shall be able to:

1. Explain how to approach, catch and hold dogs;
2. Discuss why it is important to be able to catch and hold dogs; and
3. Recognize equipment that could be used to catch or hold dogs.

Topic 2: Socializing Puppies

Topic Goal: The student shall be provided the opportunity to recognize the importance and proper method to socialize puppies.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the importance of proper socialization of puppies;
2. Describe how to properly socialize puppies; and
3. Recognize the need to socialize puppies.

Topic 3: Restraining Dogs

Topic Goal: The student shall be provided the opportunity to select and properly utilize methods of restraining dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss why dog may need to be restrained; and
2. Describe how to properly restrain dogs.

Topic 4: Loading, Hauling and Traveling with Dogs

Topic Goal: The student shall be provided the opportunity to properly load, haul or travel with dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Describe how to load and haul dogs in crates or trailers;
2. Discuss safe ways to travel with pets in an automobile or airplane; and
3. Discuss how to properly ship dogs by air.

Topic 5: Obedience Training for Dogs

Topic Goal: The student shall be provided the opportunity to recognize the importance of obedience training for dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Understand the importance of obedience training for dogs.
2. Recognize the characteristics of an obedience trained dog;
3. Describe how to obedience train a dog; and
4. Discuss the reasons for obedience training dogs for companionship and competition.

Topic 6: Specialized Training for Dogs

Topic Goal: The student shall be provided the opportunity to observe specialized training dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize how to train a dog for handling in the conformation ring;
2. Identify various groups of dogs per breed ability;
3. Explain how to train a dog to be house broken; and
4. Discuss a variety of specialized training purposes for dogs.

UNIT L: IDENTIFY THE PROPER BREEDING PROCEDURES FOR DOGS

Topic 1: Canine Reproductive System

Topic Goal: The student shall be provided the opportunity to identify the parts of the canine reproductive system.

Topic Objective: After completing the topic, the student shall be able to:

1. Identify parts of the reproductive system;
2. Discuss the canine reproductive process;
3. Discuss precautions and problems of breeding dogs; and
4. Discuss animals that should or should not be bred.

Topic 2: Canine Breeding Techniques

Topic Goal: The student shall be provided the opportunity to recognize and evaluate canine breeding technique.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss method of breeding dogs naturally;
2. Discuss breeding dogs with artificial insemination; and
3. Describe problems that may exist in breeding.

Topic 3: Diagnosing Pregnancy in Dogs

Topic Goal: The student shall be provided the opportunity to identify method of diagnosing canine pregnancy.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss when pregnancy can be accomplished;
2. Discuss diagnosing pregnancy with palpation and ultrasound;
3. Discuss taking care of a pregnant bitch; and
4. Discuss whelping puppies.

Topic 4: Growth and Development of Dogs

Topic Goal: The student shall be provided the opportunity to properly raise a dog from puppy to adulthood.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the removal of dewclaws. Docking of tails, and clipping of ears;
2. Discuss vaccination from puppy hood to adult dogs;
3. Describe how the dog grows and matures; and
4. Discuss how diet affects the puppies and development positively or negatively.

Topic 5: Dogs for Search and Rescue

Topic Goal: The student shall be provided the opportunity to observe and Discuss search and rescue dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the many purposes of search and rescue dogs;
2. Understand the vast amount of training search and rescue dogs have undergone; and
3. Discuss the breeds of dogs commonly utilized in search and rescue.

Topic 6: Dogs for Drug Identification

Topic Goal: The student shall be provided the opportunity to observe and Discuss drug identification dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Explain the importance of dogs in drug identification;
2. Discuss the abilities of dogs for scent determination and its training;
3. Discuss how drug dogs are trained and worked; and
4. Discuss breeds of dogs used as drug dogs.

Topic 7: Dogs for Service and Therapy

Topic Goal: The student shall be provided the opportunity to observe and discuss service and therapy dogs at work.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss how dogs are utilized to help the blind, deaf, and handicapped, as well as for aid recovery of patients;
2. Discuss the traits of a service or therapy dog;
3. Discuss breeds most commonly utilized as service and therapy dogs; and
4. Explain how service and therapy dogs have privileges other dogs do not have.

UNIT M: MANAGE RECORDS OF CANINE-RELATED ENTERPRISES

Topic 1: Maintaining Kennel Club and Canine Related Records

Topic Goal: The student shall be provided the opportunity to keep accurate records of dog-related enterprises.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the importance of keeping accurate record of dog-related enterprises.
2. Describe the types of dog enterprise records that should be kept;
3. Determine the kinds of supporting records that should be Kept in a dog enterprise;
4. Prepare management records for dog-related enterprises; and
5. Discuss records that should be kept for kennel clubs.

Topic 2: Analyzes Records of Canine-Related Enterprises

Topic Goal: The student shall be provided the opportunity to analyze dog-related enterprise records.

Topic Objective: After completing the topic, the student shall be able to:

1. Recognize information found in dog-related enterprise records;
2. Interpret information found in a typical dog-related enterprise; and
3. Make production decision based upon information analyzed from dog-related enterprise records.

UNIT N: TRAINING DOGS FOR ABILITY AND BREED USE

Topic 1: Dogs for Pets

Topic Goal: The student shall be provided the opportunity to observe the Traits and training required of a dog to be a good pet.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the importance in selecting the proper dog for a pet;
2. Recognize the importance of an obedience-trained dog; and
3. _____ of pets with reference to dog breeds.

Topic 2: Dogs for Hunting

Topic Goal: The student shall be provided the opportunity to observe trained hunting dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the usefulness of a trained dog in hunting;
2. Discuss the various uses of dogs for hunting.
3. Recognize dogs performing well in the field; and
4. Understand the training necessary to produce a quality hunting dog.

Topic 3: Dogs for Livestock Use

Topic Goal: The student shall be provided the opportunity to observe trained Livestock dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the difference in heading, heeling and catching dogs;
2. Discuss the different breeds of dogs that would be in each group; and
3. Explain the advantages and disadvantages of each breed.

Topic 4: Dogs for Protection and Law Enforcement

Topic Goal: The student shall be provided the opportunity to observe protection or law enforcement dogs.

Topic Objective: After completing the topic, the student shall be able to:

1. Discuss the training of a protection or law enforcement dog;
2. Explain the purpose of protection and law enforcement dogs;
3. Recognize the usefulness of a properly-trained protection or law enforcement dog; and
4. Discuss the most utilized breeds for protection and law enforcement.

UNIT O: PLAN AND CONDUCT LEADERSHIP ACTIVITIES RELATED TO CANINE SCIENCE

Topic 1: Developing Leadership Skills Related to Canine Science

Topic Goal: The student shall be provided the opportunity to develop leadership skills necessary for active participation in organization related to canine science.

Topic Objective: After completing the topic, the student shall be able to:

1. Describe the importance of effective leadership in canine science;
2. Recognize the skills necessary for effective leadership in canine science;
3. Describe characteristics of an effective leader in canine science;
4. Demonstrate leadership skills in canine science; and
5. Evaluate individual leadership skills acquired in canine science.

Topic 2: Participating in Leadership Activities Related to Canine Science

Topic Goal: The student shall be provided the opportunity to gain effective leadership skill by participation in a dog-related leadership organization.

Topic Objective: After completing the topic, the student shall be able to:

1. Identify dog-related leadership organization;
2. Become a member in a leadership organization appropriate for canine production;
3. Influence a canine production club or committee to accept an idea believed to be beneficial to all members;
4. Run for office in a canine organization; and
5. Perform the duties of an officer in a canine club.