



EXAM INFORMATION

Items

40

Points

55

Prerequisites

NONE

Grade Level

9-12

Course Length

ONE YEAR

Career Cluster

AGRICULTURE, FOOD AND NATURAL
RESOURCES

SCIENCE, TECHNOLOGY,
ENGINEERING, AND MATHEMATICS

Performance Standards

INCLUDED

Certificate Available

YES

DESCRIPTION

This class is a look at the relationship between humans and their companion animals. Species we learn about include: dog, horse and cats, with an emphasis on dogs. The curriculum will cover a broad variety of areas include: zoology, animal behavior, training and learning theories, genetics and health care, animal husbandry, animal rescue, competition events and career exploration. Students will also learn about the role of student organizations as it relates to companion animals.

EXAM BLUEPRINT

STANDARD	PERCENTAGE OF EXAM
1- Student Organizations in Agricultural Education	4%
2- Agricultural Experience in Agricultural Education	5%
3- Taxonomy, Binomial, Nomenclature Keys	11%
4- Anatomy, Nutrition, and Animal Behavior	21%
5- Reproduction Processes	10%
6- Methods of Animal Training and Behavior	15%
7- Ethology	15%
8- Animal Welfare and Animal Rescue	7%
9- Competitions Relating to Dogs or Horses	7%
10- Roles Animals Play in the Community	5%
11- Career Opportunities Related to Animals (Optional)	



STANDARD 1

STUDENTS WILL EXPLAIN THE ROLE OF STUDENT ORGANIZATIONS IN AGRICULTURAL EDUCATION

- Objective 1** Discuss the history and organization of student organizations as it relates to the complete program of agricultural education.
1. Explain the interrelationship of classroom and laboratory instruction, supervised agricultural experience, and student organization.
 2. Describe how, when, and why student organization was organized.
 3. Identify key student organization historical events.
 4. Identify the mission and strategies, colors, motto, emblem and parts of the emblem, and organizational structure of student organization.
 5. Recite and explain the meaning of a student organization creed.
 6. Discuss the meaning and purpose of a program of activities and its committee structure.
 7. List student organization chapter officers and discuss the role of each.
- Objective 2** Identify opportunities in student organization.
1. Describe student organization opportunities that develop leadership skills, personal growth, and career success.
 2. Summarize major state and national activities available to student organization members.
- Objective 3** Describe student organizations, awards, and career development events (CDEs).
1. List and explain the student organization degree areas.
 2. Identify student organization proficiency awards.
 3. List and discuss various team and individual CDEs.

Standard 1 Performance Evaluation included below (Optional)

STANDARD 2

STUDENTS WILL EXPLAIN THE ROLE OF SUPERVISED AGRICULTURAL EXPERIENCE PROGRAMS IN AGRICULTURAL EDUCATION

- Objective 1** Examine the responsibilities and benefits associated with an agricultural experience.
1. Explain the meaning and benefits of supervised agricultural experience.
 2. Explain the characteristics of an effective agricultural experience program and the responsibilities of those involved.
- Objective 2** Determine the types of agricultural experience programs.
1. Compare entrepreneurship agricultural experiences and placement agricultural experiences.
 2. Describe research/experimentation agricultural experiences.
 3. Describe exploratory agricultural experiences.
- Objective 3** Plan an agricultural experience program.
1. Identify the steps in planning an agricultural experience program.



2. Describe the function of a business/training plan and/or agreement in an agricultural experience program.
3. Develop a short-range plan and a long-range plan for an agricultural experience program.
4. Relate classroom and laboratory instruction to an agricultural experience program.

Objective 4 Maintain and use agricultural experience records.

1. Explain the importance of keeping records on an agricultural experience program.
2. Explain how agricultural experience are organized.
3. Follow approved procedures to make entries in agricultural experience records.

Standard 2 Performance Evaluation included below (Optional)

STANDARD 3

STUDENTS WILL UNDERSTAND THE MEANING OF TAXONOMY, BINOMIAL NOMENCLATURE, AND DICHOTOMOUS KEYS

Objective 1 Know and understand common names.

Objective 2 Demonstrate a knowledge of Taxonomy, Binomial Nomenclature.

1. Know the order of the seven taxonomy “groups.”

Objective 3 Demonstrate a knowledge of Dichotomous keys.

1. Understand and use a Dichotomous key.

Standard 3 Performance Evaluation included below (Optional)

STANDARD 4

STUDENTS WILL UNDERSTAND ANIMAL ANATOMY AND PHYSIOLOGY AS IT RELATES TO NUTRITION, HEALTH, MANAGEMENT, AND THE BEHAVIOR OF DOMESTICATED ANIMALS

Objective 1 Demonstrate knowledge of animal’s bodily systems.

1. Skeletal
2. Muscular
3. Nervous
4. Circulatory
5. Respiratory
6. Digestive
7. Excretory
8. Internal Secretions-Glandular
9. Reproductive

Objective 2 Demonstrate knowledge of dogs, horse and cat’s senses.

1. Smell
2. Taste
3. Hearing
4. Touch



5. Sight
- Objective 3 Demonstrate knowledge of common diseases and parasites.
1. Understand how disease are transmitted.
 2. Understand common diseases in dogs, horses, and cats.
 3. Understand vaccinations protocols in dogs, horses and cats.
- Objective 4 Demonstrate a knowledge of basic First Aid and CPR with small animals.
1. Understand and demonstrate CPR.
 2. Understand and demonstrate First Aid techniques.
 3. Understand signs of an emergency.
 4. Demonstrate knowledge of first aid supplies and uses.
- Objective 5 Demonstrate knowledge of nutritional needs of dogs, horses, and cats.
1. Understand the basic nutritional diets for dogs, horses, and cats.
 2. Have an understanding of some alterative diets.
- Objective 6 Have an understanding of nontraditional health care.
1. Could include acupuncture, massage, hydrotherapy and alterative diets.

STANDARD 5

STUDENTS WILL UNDERSTAND REPRODUCTION PROCESSES

- Objective 1 Understand breeding cycles.
- Objective 2 Understand natural breeding practices and alterative breeding practices.
- Objective 3 Understand gestation.
- Objective 4 Understand stages of development.

Standard 5 Performance Evaluation included below (Optional)

STANDARD 6

STUDENTS WILL UNDERSTAND DIFFERENT METHODS EMPLOYED TO ANIMAL TRAINING, DIFFERENT LEARNING STYLES AND BEHAVIOR PROBLEMS OF DOMESTICATED ANIMALS

- Objective 1 Understand learning theory.
1. Classical Conditioning
 2. Operate Conditioning
 3. Trial and Error Learning
 4. Observational Learning
- Objective 2 Demonstrate a knowledge of different training methods.
1. Understand methods such as luring, placement, compulsion and operate conditioning
 2. Know some history about trainers in the field of animal training and their contributions
- Objective 3 Demonstrate a knowledge of different behavior problems and methods of behavior modification.
1. Demonstrate knowledge of common behavior problems.
 2. Demonstrate knowledge of behavior modification protocols.



STANDARD 7

STUDENTS WILL UNDERSTAND ETHOLOGY

Objective 1 Learn about how animals use body language to communicate “Ethology.”

1. Demonstrate knowledge of ethograms.

STANDARD 8

STUDENTS WILL UNDERSTAND ANIMAL WELFARE AND ANIMAL RESCUE

Objective 1 Demonstrate a knowledge of animal Enrichment and Welfare.

1. Understand that Animal welfare involves both the physical health of the animals as well as their psychological well-being.
2. Understand enrichment activities for different species.

Objective 2 Demonstrate a knowledge of Animal Rescues.

1. Demonstrate knowledge of different organizations involved in animal rescues.
2. Demonstrate knowledge of the causes and effects animal rescues plays in a community.

STANDARD 9

STUDENTS WILL UNDERSTAND DIFFERENT COMPETITIONS RELATING TO DOGS OR HORSES

Objective 1 Demonstrate a knowledge of different competitions with animals.

1. Dog showing.
2. What is a registration.
3. What are some of the titles and how do you earn them.
4. Horse showing
5. What are some of the titles and how do you earn them.

Objective 2 Demonstrate a knowledge of different training methods.

1. Understand methods such as luring, placement, compulsion and operate conditioning
2. Know some history about trainers in the field of animal training and their contributions

Objective 3 Demonstrate a knowledge of different behavior problems and methods of behavior modification.

1. Demonstrate knowledge of common behavior problems.
2. Demonstrate knowledge of behavior modification protocols.

STANDARD 10

STUDENTS WILL UNDERSTAND ROLES THAT ANIMALS PLAY IN THE COMMUNITY

Objective 1 Understand the role of service animals.

Objective 2 Understand the roles between humans and their companion animals.

STANDARD 11 (Optional)

STUDENTS WILL BE EXPOSED TO A MULTITUDE OF CAREER OPPORTUNITIES THAT RELATE TO ANIMALS



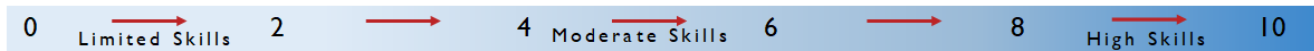
Small and Companion Animal Science Performance Standards (Optional)

Performance assessments may be completed and evaluated at any time during the course. The following performance skills are to be used in connection with the associated standards and exam. To pass the performance standard the student must attain a performance standard average of **8 or higher** on the rating scale. Students may be encouraged to repeat the objectives until they average **8 or higher**.

Students Name _____

Class _____

PERFORMANCE RATING SCALE



STANDARD 1 Student Organizations in Agricultural Education

Score:

- Attend a student organization Chapter Meeting

STANDARD 2 Agricultural Experience in Agricultural Education

Score:

- Successfully complete a agricultural experience Program

STANDARD 3 Taxonomy, Binomial Nomenclature, and Dichotomous Keys

Score:

- Identify Common Anatomical Organs

STANDARD 5 Basic Agribusiness Principles

Score:

- Develop a budget

PERFORMANCE STANDARD AVERAGE SCORE: