



EXAM INFORMATION

Items

80

Points

80

Prerequisites

NONE

Grade Level

9-12

Course Length

ONE SEMESTER

Career Cluster

AGRICULTURE, FOOD AND NATURAL
RESOURCES

Performance Standards

INCLUDED

Certificate Available

YES

DESCRIPTION

The second assessment in a series, Animal Science II students must demonstrate knowledge and skills in a wide range of animal agriculture principles, including anatomy and physiology, health maintenance, waste disposal, and facilities. The efficient production and effective management of selected animal enterprises are covered, including beef and dairy cattle, swine, sheep and goats, poultry, and equine. Practices in veterinary medicine and those associated with small animal care are included.

EXAM BLUEPRINT

STANDARD	PERCENTAGE OF EXAM
1- Student Organizations in Agricultural Education	3%
2- Agricultural Experience in Agricultural Education	3%
3- Career Opportunities in Equine Science	10%
4- History and Development of Horses	29%
5- Equine Anatomy and Physiology	26%
6- Equine Nutrition and Feeding Management	18%
7- Equine Health Management	11%



STANDARD 1

STUDENTS WILL DEVELOP AN UNDERSTANDING OF THE ROLE OF STUDENT ORGANIZATIONS IN AGRICULTURAL EDUCATIONAL PROGRAMS

- Objective 1** Students will understand the history and organization of a student organization.
1. Students will explain how, when, and why student organizations were organized.
 2. Students will explain the mission and strategies, color, motto, parts of the emblem, and the organizational structure of a student organization.
 3. Students will recite and explain the meaning of a student organization creed.
 4. Students will explain the purpose of a Program of Activities and its committee structure.
- Objective 2** Students will discover opportunities in student organizations.
1. Students will describe how student organizations develops leadership skills, personal growth, and career success.
 2. Students will identify major state and national activities available to student organization members.

Standard 1 Performance Evaluation included below (Optional)

STANDARD 2

STUDENTS WILL UNDERSTAND THE BENEFITS OF A SUPERVISED AGRICULTURAL EXPERIENCE PROGRAM

- Objective 1** Students will determine the benefits of agricultural experience.
1. Students will explain the importance of goals and careers ladders.
 2. Students will define supervised horticultural/agricultural experience.
 3. Students will explain the benefits of supervised horticultural/agricultural experience programs.
- Objective 2** Students will determine the kinds of agricultural experience programs.
1. Students will explain the difference between entrepreneurship and placement agricultural experiences.
 2. Students will describe research/experimentation and exploratory agricultural experiences.
 3. Students will explain the characteristics of a good agricultural experience program and student responsibilities that are involved.
- Objective 3** Students will research possible agricultural experience programs.
1. Students will identify career interest areas in agriculture.
 2. Students will identify skills needed for career success.
 3. Students will explain opportunities for agricultural experience programs.
- Objective 4** Students will plan an agricultural experience program.
1. Students will identify the steps in planning an agricultural experience program.
 2. Students will identify the parts of an annual agricultural experience program plan.
 3. Students will discuss the function of a training plan and/or agreement in an agricultural experience program.

Standard 2 Performance Evaluation included below (Optional)



STANDARD 3

STUDENTS WILL STUDY CAREER OPPORTUNITIES IN EQUINE SCIENCE

- Objective 1 Students will present the general skills required for employment.
- Objective 2 Students will use resources and assess information.
- Objective 3 Students will describe the educational opportunities available.
- Objective 4 Students will list three ways to gain experience in the horse industry.
- Objective 5 Students will identify eight careers and entrepreneurship opportunities in equine science.

Standard 3 Performance Evaluation included below (Optional)

STANDARD 4

STUDENTS WILL UNDERSTAND THE HISTORY OF THE MODERN HORSE AND THE DEVELOPMENT OF HORSE BREEDS, TYPES, AND CLASSES

- Objective 1 Students will describe the development of modern horses.
- Objective 2 Students will discuss the domestication of the horse.
- Objective 3 Students will identify historical trends of human utilization of horses.
- Objective 4 Students will describe the current horse industry.
- Objective 5 Students will describe the gaits and movements of horses.
- Objective 6 Students will classify and describe equine as pony, light, draft, and long-eared.
- Objective 7 Students will list and describe equine breeds and their origins.

Standard 4 Performance Evaluation included below (Optional)

STANDARD 5

STUDENTS WILL ANALYZE EQUINE ANATOMY AND PHYSIOLOGY

- Objective 1 Students will identify the external parts of the horse.
- Objective 2 Students will explore equine bodily systems.
- Objective 3 Students will describe the skeletal and muscular systems of the horse.
- Objective 4 Students will describe the digestive system of the horse.
- Objective 5 Students will describe the reproductive systems of the horse.

Standard 5 Performance Evaluation included below (Optional)

STANDARD 6

STUDENTS WILL LEARN ABOUT EQUINE NUTRITION AND FEEDING MANAGEMENT

- Objective 1 Students will list and discuss basic nutrients.
- Objective 2 Students will identify feeds important to horses.
- Objective 3 Students will balance an equine ration.



Objective 4 Students will list and describe equine nutritional disorders.

Standard 6 Performance Evaluation included below (Optional)

STANDARD 7

STUDENTS WILL EXPLORE CONCEPTS IN EQUINE HEALTH MANAGEMENT

Objective 1 Students will list, identify, and describe equine diseases.

Objective 2 Students will identify horse internal and external parasites.

Objective 3 Students will properly care for hooves and explain hoof anatomy.

Objective 4 Students will determine proper horse health management practices.

1. Vaccination program
2. Teeth floating and aging
3. Sanitation



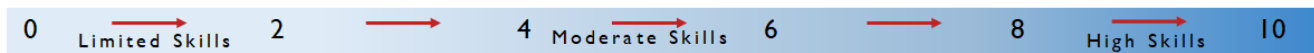
Equine Science A Performance Standards (Optional)

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 meeting

STANDARD 2 Agricultural Experience in Agricultural Education **Score:**

- Develop short and long-range agricultural experience goals
- Record all transactions and activities for a agricultural experience, using an approved record book (optional)

STANDARD 3 Career Opportunities in Equine Science **Score:**

- Develop short and long-range leadership and personal development goals

STANDARD 4 History of Horse Development **Score:**

- Correctly classify specific equine breeds
- Identify equine breeds

STANDARD 5 Equine Anatomy and Physiology **Score:**

- Identify the external parts of a horse
- Identify the parts of the digestive system
- Identify the parts of the reproductive system
- Identify the parts of the skeletal system

STANDARD 6 Equine Nutrition and Feeding Management **Score:**

- Develop a balanced equine ration

PERFORMANCE STANDARD AVERAGE SCORE: