DESCRIPTION

The application of equine science and technology principles, which include genetics, anatomy, physiology/nutrition, diseases, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed.

STANDARDS, OBJECTIVES, AND INDICATORS

STANDARD 1 3% of Exam Blueprint

◊ DEVELOP AN UNDERSTANDING OF THE ROLE OF FFA IN AGRICULTURAL EDUCATION PROGRAMS.

Objective 1: Students will understand the history and organization of FFA.
1. Students will explain how, when, and why the FFA was organized.
2. Students will explain the mission and strategies, colors, motto, parts of the emblem, and the organizational structure of the FFA.
3. Students will recite and explain the meaning of the FFA Creed.
4. Students will explain the purpose of a Program of Activities and its committee structure.

Objective 2: Students will discover opportunities in FFA.
1. Students will describe how the FFA develops leadership skills, personal growth, and career success.
2. Students will identify major state and national activities available to FFA members.

Objective 3: Students will determine FFA degrees, awards, and Career Development Events.
1. Students will explain the FFA degree areas.
2. Students will identify the FFA proficiency awards.
3. Students will explain various team and individual Career Development Events.

STANDARD 2 3% of Exam Blueprint

◊ UNDERSTAND THE BENEFITS OF A SUPERVISED AGRICULTURAL EXPERIENCE (SAE) PROGRAM.

Objective 1: Students will determine the benefits of an SAE.
1. Students will explain the importance of goals and career 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 SAE programs.
   1. Students will explain the difference between entrepreneurship and placement SAE's.
   2. Students will describe research/experimentation and exploratory SAE's.
   3. Students will explain the characteristics of a good SAE program and student responsibilities that are involved.

Objective 3: Students will research possible SAE 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 SAE programs.

Objective 4: Students will plan an SAE program.
   1. Student will identify the steps in planning an SAE program.
   2. Student will identify the parts of an annual SAE program plan.
   3. Student will discuss the function of a training plan and/or agreement in an SAE program.

Objective 5: Students will implement SAE programs.
   1. Students will discuss the importance of keeping records on an SAE program.
   2. Students will explain the types of financial records needed to support a chosen SAE program.
   3. Students will identify standards to follow in keeping records on an SAE program.

STANDARD 8  
12% of Exam Blueprint

♦ UNDERSTAND HORSE GENETICS.
   Objective 1: Students will explore the fundamentals of genetics.
   Objective 2: Students will investigate horse coat color and markings.
   Objective 3: Students will explain the heritability of performance traits.

STANDARD 9  
32% of Exam Blueprint

♦ EXPLORE HORSE REPRODUCTION AND PARTURITION.
   Objective 1: Students will describe the physiology of the reproduction tracts of stallions and mares.
   Objective 2: Students will summarize the estrus cycle and proper times to breed.
   Objective 3: Students will describe proper horse gestation management.
   Objective 4: Students will explore equine reproductive technology.
      1. Artificial insemination
      2. Embryo transfer
      3. Cloning
   Objective 5: Students will discuss proper care during pregnancy and parturition.
   Objective 6: Students will describe the horse condition scoring system.
STANDARD 10  

**Study and Utilize Equine Behavior Training.**

Objective 1: Students will list and discuss horse behavioral categories.
Objective 2: Students will demonstrate safe handling of horses.
Objective 3: Students will explain imprinting.
Objective 4: Students will identify abnormal horse behavior (vices).
Objective 5: Students will discuss how to load and haul a horse and how to check the safety of a trailer.

STANDARD 11  

**Learn About Equine Facilities and Equipment.**

Objective 1: Students will identify, discuss, and describe the usage of Western and English tack.
Objective 2: Students will outline the transportation of horses.
Objective 3: Students will investigate horse facilities and fencing.
Objective 4: Students will discuss waste management.

STANDARD 12  

**Know How to Evaluate and Select a Horse.**

Objective 1: Students will summarize the considerations of purchasing a horse.
Objective 2: Students will recognize the ideal horse conformation characteristics.
Objective 3: Students will recognize conformation faults and predict potential unsoundness and/or lameness.
Objective 4: Students will present oral and written reasons in horse evaluation.
PERFORMANCE STANDARD EVALUATION CHECKLIST

Student Name

Instructor’s Name

School ___________________________ District ___________________________

Performance Rating Scale:

1 2 3 4 5 6 7 8 9 10

Limited Skills.................. Moderate Skills.................. High Skills

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 written 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 for the following elements:

<table>
<thead>
<tr>
<th>PERFORMANCE SKILLS STANDARDS</th>
<th>Score:</th>
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<tbody>
<tr>
<td>STANDARD 1 – Develop an understanding of the role of FFA in Agricultural Education Programs.</td>
<td>Score:</td>
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<tr>
<td>□ Participate in FFA activities</td>
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<tr>
<td>STANDARD 2 – Understand the benefits of a Supervised Agricultural Experience (SAE) Program.</td>
<td>Score:</td>
</tr>
<tr>
<td>□ In an approved record book, record all transactions and activities on a SAE</td>
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<tr>
<td>STANDARD 8 – Understand horse genetics.</td>
<td>Score:</td>
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<tr>
<td>□ Predict the heritability of coat color, markings, and performance traits</td>
<td></td>
</tr>
<tr>
<td>STANDARD 9 – Understand horse reproduction and parturition.</td>
<td>Score:</td>
</tr>
<tr>
<td>□ Develop a breeding schedule for a mare</td>
<td></td>
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## PERFORMANCE SKILLS STANDARDS

<table>
<thead>
<tr>
<th>STANDARD 10 – Study and utilize equine behavior training.</th>
<th>Score:</th>
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<tbody>
<tr>
<td>□ Demonstrate the safe handling of horses</td>
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<tr>
<th>STANDARD 11 – Learn about equine facilities and equipment.</th>
<th>Score:</th>
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<tbody>
<tr>
<td>□ Develop a waste management plan</td>
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<th>STANDARD 12 – Know how to evaluate and select a horse.</th>
<th>Score:</th>
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<tr>
<td>□ Select a horse based on conformation characteristics</td>
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<tr>
<td>□ Present oral reasons in horse evaluation</td>
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## PERFORMANCE STANDARD AVERAGE

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