

Animal Science Course Syllabus

Lexington High School
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Class Purpose

This course will investigate scientific concepts relating to the care of animals. Students will study the nutrition, safety, training, health, and general care of companion animals and livestock. The course will focus on cattle, swine, sheep, horses, dogs, cats, rabbits, birds, reptiles, and fish. Laboratory activities will provide opportunities for problem-solving through practical applications to learn scientific concepts. Application to current issues will also be explored.

Objectives

1. Categorize types of companion animals.
2. Determine companion animal selection criteria.
3. Diagram animal anatomy and physiology.
4. Evaluate companion animal health conditions.
5. Identify health issues relating to companion animals.
6. Recognize the importance of spay/neutering.
7. Describe basic animal genetics.
8. Design housing requirements for companion animals.
9. Clean and sanitize animal facilities.
10. Compare different feeds and their relationship to nutritional quality.
11. Compare signs of different companion animal behavior.
12. Apply first aid care to companion animals.
13. Practice routine grooming (teeth, nails, ears, eyes).
14. Demonstrate safe handling techniques of companion animals.
15. Develop an exercise program for a companion animal.
16. Identify professional societies and organizations (Humane Society, AKC, ARBA, AVMA).
17. Identify potential careers in the companion animal industry.

Resources

Introduction to Livestock and Companion Animals
AgEdNet.com

Grading

Tests/Quizzes: 50% Projects: 30% Homework/activities: 20%

Quarter (45%) + Quarter (45%) + Semester Final (10%)= Semester (100%)

LATE WORK: All assignments have a due date. I expect all work to be turned in on time. 25 points will be deducted for every day it is late. After 3 days it will be counted as a "0".