

Advanced Animal Science Syllabus

Course Description/Goals:

Students will learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings. This course examines the correspondence of human, scientific, and technological aspects of animal science through field and laboratory experience. Students must meet the 40% laboratory and fieldwork requirement. This course satisfies a high school science graduation requirement and will be included in the calculation of the weighted GPA.

Course TEKS/Objectives:

Advanced Animal Science examines the interrelatedness of human, scientific, and technological dimensions of animal production, including canine, feline, bovine, equine, caprine, porcine, ovine, poultry, and lagomorpha production. Instruction is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic knowledge and skills, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

[Advanced Animal Science TEKS](#)

Course Outline:

Semester 1	Semester 2
<ul style="list-style-type: none">-Leadership in Agriculture Education-Careers in Animal Science-The Animal Industry-History/Use of Animals-Animal Handling and Safety-Cells and Tissue	<ul style="list-style-type: none">-Animal Nutrition-Diseases and Pests-Animal Growth-Animal Harvesting-Animal Marketing-Producer's Management Guide