

ANIMAL SCIENCE 1

Course Description

Students will develop knowledge and skills in a wide range of scientific principles, including genetics, anatomy, physiology, nutrition, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are included. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized.

Standard 1

Explain the role of FFA in agriculture education.

Standard 2

Explain the role of supervised agricultural experience (SAE) programs in agricultural education.

Standard 3

Apply scientific principles in the selection of animals.

Standard 4

Apply principles of animal breeding and reproduction to gain desired offspring.

Standard 5

Apply principles of animal nutrition to ensure the proper growth, development, reproduction, and economic production of animals.

Standard 6

Apply management principles for maintaining the health and well-being of agricultural animals

Standard 7

Examine consumer products, services, and benefits derived from the production of agricultural animals.

Standard 8

Examine trends and career opportunities in the animal industry, including those related to agricultural animals.

