ANIMAL SCIENCE

This semester long course focuses on basic scientific principles of animal science today.  Units include; General American Animals, Poultry, Diseases, Scientific Selection, and Meat Science.  Students will learn basic concepts of science that follow general biology courses, but with an Ag focus.

**Unit 1: Introduction to Animal Science and the Large Animal Industry**

**-Identify important aspects of today’s animal ag industry**

**-Explain the 9 basic animal behaviors**

**Unit 2: Poultry**

**-Explain the key differences of avian biology versus mammals**

**-Discuss the incubation process**

**Unit 3: Animal Diseases**

**-Create an identification key of common animal diseases**

**Unit 4: Livestock Breeds and Selection**

* **Recognize 40 of today’s top animal breeds**
* **Compare scientific selection with natural selection**
* **Calculate a judging class set**

**Unit 5: Meat Science**

**-Identify major cuts of wholesale and retail meat**

**-Explain the slaughter processes**