

**2023-2024 Animal Science Technology & Biotechnology
Pacing Guide**

Unit 1: Introduction to FFA, SAEs, and Sectors of Agriculture	1.5 weeks
Unit 2: History of Livestock & Biotechnology	2 weeks
Unit 3: Beef Cattle Production	3 weeks
Unit 4: Swine Production	3 weeks
Unit 5: Poultry Production	3 weeks
Unit 6: Dairy Production	2 weeks
Unit 7: Equine Production	1 week
Unit 8: Small Animal Care	1.5 weeks
Review for Final	1 week

Essential Standards

- **AFNR-ASB-1:** Demonstrate employability skills required by business and industry.
 - *This standard will be incorporated into daily bellringer activities and covered throughout the semester
- **AFNR-ASB-2:** Orient and apply the comprehensive program of agricultural education, learns to work safely in the agriculture lab and work sites, demonstrates selected competencies in leadership through the FFA and agricultural industry organizations, and develops plans for a Supervised Agricultural Experience Program (SAEP).
- **AFNR-ASB-4:** Describe the various phases, segments, trends, consumption, and economic scope of the large animal industry.
- **AFNR-ASB-5:** Describe the various phases, segments, trends, consumption, and economic scope of the poultry industry.
- **AFNR-ASB-6:** Describe the various phases, segments, trends, consumption and economic scope of the dairy industry.
- **AFNR-ASB-11:** Compare and contrast crucial animal welfare issues and explain the benefits of treating animals in a humane manner and providing for the needs of animals.

- **AFNR-ASB-12:** Observe and interpret the natural behavior of agricultural animals and relate these behaviors to production practices yielding more content, healthier, and productive animals.
- **AFNR-ASB-17:** Explain nutrient sources and functions as they relate to monogastric and ruminant agricultural animals.