

## **Agriculture, Food & Natural Resources Cluster**

### **Animal Science Pathway –**

**Equine Production (T&I)** – This major is gives students an overview of all components of the equine industry including health, management, nutrition, reproduction, selection, marketing, and behavior of horses. Students are instructed in the selection of feeds, maintenance horses require, selection of breeds, breeding techniques, and skills required to operate a healthy environment for horses. Curriculum includes equine genetics, equine anatomy/physiology and vital signs, conditioning as it relates to race and performance horses, marketing in the equine industry, and tractor feeding and pasture management.

**Animal Science** – This major gives students an overview of animal science and the careers available. Students are given an introduction at the ninth grade level to agriculture, natural resources, animal/plant science, and agribusiness principles and careers followed by more in-depth study of anatomy/physiology, reproduction, nutrition, health/disease management of agricultural animals, and animal ethics/safety. Curriculum also covers livestock production including genetics and breeding and the facilities/equipment required as well as small animal vet assisting and skills required for maintaining a healthy environment for small service, companion, and laboratory animals. Supervised experiences and FFA are integral components in this major.