

VT 4280 – AGRICULTURE SCIENCE AND TECHNOLOGY I

This is an introductory course that is designed to allow a student to explore the field of agriculture. Students will study leadership, the FFA organization, careers, animal science, plant science, ag mechanics and product processing. Each student will develop a Supervised Agriculture Experience Program (SAEP).

Essential Learning Objectives

Students will:

- Acquire the skills necessary to positively influence others.
- Utilize appropriate management planning principles in SAE business enterprises.
- Examine the components, historical development, global implications, and future trends of the animal systems industry.
- Classify, evaluate, select, and manage animals based on anatomical and physiological characteristics.
- Provide for the proper health care of animals.
- Apply principles of animal nutrition to ensure the proper growth, development, reproduction and economic production of animals.
- Evaluate and select animals based on scientific principles of animal production.
- Prepare and implement animal handling procedures for the safety of animals, producers, and consumers of animal products.
- Select animal facilities and equipment that provide for the safe and efficient production, housing and handling of animals.
- Examine components of the food industry and historical development of food products and processing.
- Plan, build, and maintain agricultural structures.

Agriculture Science and Technology I Standards and Competency Profile:

<https://dese.mo.gov/sites/default/files/AgSci1-Standards.pdf>

https://dese.mo.gov/sites/default/files/aged-instructional-framework-AgScience-I_0.pdf

https://dese.mo.gov/sites/default/files/Ag_Science_I_Supplement.pdf

Updated: Spring 2020