

VT 4360- AGRICULTURE MECHANICS

Students will develop basic skills in the use and understanding of project planning, power tools, woodworking and metalworking, arc welding, oxy-acetylene cutting and welding, and small engine operation and maintenance. The students will carry out a Supervised Agriculture Experience Program (SAEP). Leadership development will continue in the FFA chapter.

Essential Learning Objectives

Students will:

- Demonstrate an understanding of common hand tools used in woodworking and metalworking.
- Demonstrate an understanding of the correct use of power tools by devising and giving a safety presentation for a power tool found in their class shop.
- Apply basic woodworking skills by constructing an appropriate woodworking project.
- Apply principles of tool sharpening and reconditioning.
- Apply principles of shielded metal arc welding by making common flat position welds.
- Apply principles of oxyfuel cutting by making basic cuts with an oxyfuel outfit.
- Apply principles of painting by finishing a project using paint and a paintbrush.

Agriculture Mechanics Standards and Competency Profile:

http://dese.mo.gov/sites/default/files/ag_mech_1.pdf

Updated: Spring 2020