Chambersburg Area Senior High School

Department of Agricultural Education

# Course Syllabus

## AG MECHANICS & TECHNOLOGY

**Course Instructor:** Ms. Walburn

**Textbooks:** No textbook is required for this course; various texts will be supplemented by the instructor.

**Course Description:**

This course is designed for students interested in gaining knowledge and skills in agricultural mechanics. The student will gain skills in safe operation and handling of equipment. The school agricultural shop will be used by the students to explore skills in carpentry, building construction, electricity, plumbing, welding and metal fabrication. The course will address guidelines to career opportunities.

**Classroom Rules/Expectations:**  
 See “Agriculture’s Expectations and Procedures”

**Grading Policy:** Total points earned by you, the student, in the course will be divided by the points available in the course to calculate the student’s percentage grade. This course will follow the grade scale adopted by CASD. A cumulative midterm and final exam will be given in this course. It is important to be in class for the review session(s) prior to each of these exams for your own success.

**Course Outline/Units:**

Unit 1:Safety in the Agricultural Shop

Unit 2: Career Options in Agricultural Technology

Unit 3: Tool Identification and Hand Tool Safety

Unit 4: Woodworking

Unit 5: Plumbing

Unit 6: Metal Fabrication

Unit 7: Electricity

Unit 8: Agricultural Structures

Unit 9: National Safe Tractor and Machinery Operation Program

**Items needed for class:**

* Pencil/Pen
* 3-Ring Binder
* Shop clothes (optional)
* Approved safety glasses (provided but student may supply their own)
* **Closed-toe shoes must be worn!!**