

# Agricultural Mechanics and Metal Technologies

## Course Syllabus, Rules, Regulations and Expectations

### Contact Information:

Name – Clay Menotti

Class – CT-107

Conference – 7<sup>th</sup> Period 1:45-2:35

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Prerequisite Course(s): Principles of Agriculture Food and Natural Resources

### Procedures

- Take care of personal needs before entering class. (bathroom, water)
- Enter the class in a civil manner, put away phone and take your seat.
- Bring your materials with you every day.
- Keep your hands, feet, books, and objects to yourself.
- Always use proper PPE and Safety Procedures while in the Shop.
- Follow DHS Classroom Treatment Agreement.
- The bell does not dismiss you from class, the teacher does.

### Supplies

- Black or Blue Pens, Pencils
- Welding PPE

### Policies

- Online Classwork will be organized and distributed through Schoology.
- Tutorials will be available by request after school. Please contact me if you need to schedule a tutorial session.
- Testing days for this course will be Tuesdays
- Make-Up Work and Late Work will follow the DISD Late Work Grading Policy.
- A student without proper clothing and PPE will not be allowed to work in the shop.

### Student and Teacher Responsibilities & Expectations

#### **My responsibilities as your teacher:**

- Provide you with the information you need to be successful.
- Provide a safe environment for you to learn.
- Show courtesy and respect to my students.

#### **Your responsibilities as a student:**

- Be on time and prepared for class.
- Show courtesy and respect to your fellow students and the teacher.
- Work hard and be responsible

### **Grading:**

50% - Minor Grades (Daily Work, Activities, Quizzes, etc.)

50% - Major Grades (Major Tests, Projects, etc.)

## **Course Description: Full Year**

Agricultural Mechanics and Metal Technologies is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metalworking techniques. To prepare for careers in agricultural power, structural, and technical systems, students must attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings.

### **Units of Study:**

- Academic Knowledge and Skills for Ag Mechanics and Metal Fabrication
- Employability Characteristics in the Global Economy
- Application, maintenance, and safe use of hand tools, power tools, and equipment
- Electrical and Wiring Skills
- Plumbing Skills
- Concrete Construction Skills
- Carpentry Skills
- Fencing Skills and Methods
- Cold and Hot Metal Technologies
- Construction Design and Management

### **Ag Mech PPE:**

- ANSI Approved Safety Glasses
- Leather Gloves
- Closed toe leather shoes
- Welding PPE (hood, welding gloves, welding jacket or FR clothing)
- Ear Protection (plugs or muff style)