Ag. Mechanics and Metal Technologies

Syllabus

Mr. Braune

School Year 2022-2023

**Class Description**

To be prepared for careers in agricultural power, structural, and technical systems, students need to 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. This course 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 metal working techniques.

**Prerequisites**

Students must have taken Principles of AFRN before taking this course. Students must pass a lab safety exam with a 100 and demonstrate proper lab safety at all times in order to participate in lab activities.

**Course Objectives**

Upon completion of this course, the students will be able to:

A. follow operating instructions for tools and equipment to perform a given task

B. perform measuring techniques

C. identify and performs electric wiring skills

D. perform plumbing skills.

E. perform concrete construction skills

F. perform carpentry skills

G. identify fencing methods

H. perform appropriate cold and hot metal techniques

I. understand metal merging technology and processes relating to assembly of equipment in agricultural systems operations

**Mr. Braune’s Classroom Expectations**

1. Be on time to class and bring ALL required supplies

2. Be respectful

3. Put away ALL distractions

4. Follow All lab/classroom safety rules and requirements at All times

**Students will need to dress appropriately on lab activity days. This will include closed toed shoes and jeans or pants.**

**Evaluation and Grading**

**Grading Criteria**-

Class work- 60%

Tests- 40%

**Homework-** Most all work is done during class time. Some special class assignments require time other than class time.

**Semester Grades** The semester exam will make up 15% of the final grade.

**Special Course Requirements**-

1. Student Notebook- Students will be required to maintain a class notebook. Instructions and requirements will be provided to the student. Random notebook checks will be conducted throughout the semester to ensure students are maintaining and recording properly.

2. Exhibit satisfactory performance in lab work and classroom.

3. Exhibit a cooperative attitude; an attitude which makes the student employable.

**Make-Up Policy**- the policy that is outlined in the school student handbook will be the same for this course.

**Supplies Required**

Students are required to obtain the following supplies and bring them to class daily.

 Pens/ Pencils (blue or black ink)

 1” 3- ring binder or regular braded folder

 Set of 5 divider tabs for Notebook

 Notebook Paper

**Note to Students**: Safety is our first priority in this class. We will spend a great amount of time discussing safety, completing safety training and NCCR training. Lab activities will not begin on a regular basis until later in the year.

**Contact Information**

Jeffrey Braune

Agricultural Science Teacher

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Parent’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

It is the policy of San Antonio ISD not to discriminate on the basis of race, color, national origin, age, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the EducationAmendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

Es norma del distrito de San Antonio no discriminar por motivos de raza, color, origen nacional, sexo o impedimento, en sus programas, servicios o actividades vocacionales, tal como lo requieren el Titulo VI de la Ley de Deprechos Civiles de 1964, segun enmienda; el Titulo IX de las Emmiendas en la Educacion, de 1972, y la Seccion 504 de la Ley de Rehabilitacion de 1973, segun enmienda

\*\*This syllabus must be signed and returned to the teacher.