

CENTRAL HIGH SCHOOL

Basic Ag Mechanics

Toni Saso

COURSE SYLLABUS

Course Description:

In this course, theory and hands-on experiences provide opportunities for students to develop basic knowledge and skills in agricultural mechanics. Instructional areas include: safety, the basic fundamentals of small engines, basic electricity, basic construction and wood working, basic metal working techniques, and operating agricultural equipment safely, technology in agriculture, and FFA. Students will have the opportunity to be FFA members and participate in FFA activities.

Course Objectives:

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

- Identify careers within the agriculture industry.
- Successfully complete field notes for surveying with differential and profile leveling techniques.
- Be able to read a plot map.
- Make 4 arc welds.
- Build a basic woods project.
- Wire 4 electrical circuits.
- Identify small engine tools and parts.

Required Class Materials:

Paper

Binder

Calculator (recommended)

Writing Utensil

Flash drive or storage device

Text: None

Course Outline:

1st semester:

What is Agriculture?

FFA

Safety in the shop

Land Measurement, Legal Descriptions, and Surveying

Recordkeeping & SAEs

Wood Construction Tools

Wood Construction Project

2nd Semester:

Electrical Circuits Concepts

Electrical Wiring

Welding Safety

Arc Welding

Small Engine parts & tools

Recordkeeping

Major Assignments:

FFA Activity: 1 per semester

Wiring Project: Middle of 3rd quarter

SAE Recordkeeping: Due at the end of each quarter

Welding Project: End of 3rd Quarter

Woods Project: End of 2nd Quarter.

Small Engine Project: End of 4th Quarter

Grading:

Skyward Name	Category	Weight
Tests	Assessments	35%
In-Class work	Assignments/Labs/Reports/Participation	50%
Homework	SAE & Recordkeeping	10%
Participation	FFA Participation	5%

Class Policies & Procedures:

1. Every student must act in a safe and responsible manner because of the many laboratory and classroom situations. You must demonstrate respect for the work of others. Failure to conduct your self in a safe manner will result in immediate discipline including, but not limited to: detentions, phone call home, parent/teacher/student conference.
2. The classroom and/or shop will be picked up and clean before any student may leave the room.
3. Appropriate dress (especially in the shop) is required at all times. In addition, safety glasses and closed toed shoes must be worn at all times while in the shop. NO EXCEPTIONS.

4. The shop is a privilege, not a right. If you can not act in a safe and responsible manner, you will be assigned book work and restricted from the shop.
5. Discipline for breaking the academic integrity code, student conduct responsibilities, and/or classroom expectations will be dealt with using the policy set forth by the Central High School Student Handbook.
6. As an inter-curricular club, FFA is an integral role of agriculture education. You are required to become a member of the Central FFA, and are required to attend 1 activity per quarter.
7. All assignments are due at the beginning of the period (when the tardy bell rings). If it is turned in after everyone else's assignments, IT'S LATE.
8. As per school policy, assignments may be turned in 1 day late for up to 75% credit. After that a zero will be assigned.
9. You have 2 school days to obtain and complete your assignments from an excused absence. You are responsible for obtaining missed work. I will not seek you out to give you missed work; you must check with me to see what you missed. Any work collected or assigned on the day of an unexcused absence will not be excepted.

Miscellaneous:

See Department Policies and Guidelines for out of class requirements for this course.

Instructor Contact:

Email: tsaso@cusd4.org

Phone: (815) 694-2321 Ext. 2113

Email is the quickest method to get a response. If you email and do not receive response within 24 hours, feel free to call.