



Course Syllabus for Agriculture Mechanics Technology 1 2019-2020

**Instructor: Mrs. Christina Ford
Room 208**

COURSE DESCRIPTION:

This introductory mechanics course provides students with a basic overview of safety, repair, maintenance, and construction involving woodworking, and electricity, and small gas engines. The course will balance classroom instruction with hands-on application of theories and concepts. Students will use hand tools and power machinery to complete both required and individual projects. Emphasis will be on developing a broad base of skills for the industry. An introduction to the FFA and related Career Development Events will also be included. Classroom and laboratory activities are supplemented through supervised agricultural experiences (SAE) and leadership programs and activities.

COURSE GOALS/OBJECTIVES

Students will:

- Use proper safety equipment and techniques in a shop environment.
- Be able to identify and properly use common shop tools for woodworking, electricity, and engine repair.
- Select the proper fasteners for a job.
- Construct a wood project using hand tools.
- Be able to wire 2 and 3 way switches, outlets in a series, and lighting junction boxes
- List and describe the 4 strokes of an internal combustion engine.
- Be able to determine when engine parts need to be replaced.
- Practice troubleshooting strategies to fix engines.

INSTRUCTIONAL

Textbook: Principles of Agriculture, Food, and Natural Resources

Supplemental: Magazines, Newspapers, Handouts, and Computer Tutorials

SUPPLIES NEEDED:

Students are expected to bring the following supplies to class everyday:

- Pen(Blue/Black) / #2 Pencil
- Paper
- 3-ring binder (1" or larger)
- Textbook (will be for in-class use only)
- Safety Glasses
- Work Gloves



GRADING POLICIES AND PROCEDURES

Grades are based on total points accumulated on tests, quizzes, class participation, and projects **for the semester**. Grades are calculated at the end of each 9-week period. **ALL** students will receive progress reports:

GRADING

Classwork/Quizzes	45%
Daily Journals	
Daily Grades (Worksheets/Handouts)	
Minor Presentations	
Minor SAE Grades (Teacher Approval Form, SAE Plan, Progress Checks)	
Participation	
Tests/SAE Projects/ Presentations	55%
Unit Tests	
Benchmarks	
9 Weeks Exams	

SLO/Final **20% of FINAL GRADE**

Grading Scale:

90-100	A
80-89	B
70-79	C
60-69	D
Below 60	F

PROCEDURES

Lecture, daily journal, note taking, writing activities, handouts, worksheets, classroom discussion, group work, video, guest speaker, laboratory, and field trips.

STUDENT ACHIEVEMENT

Students must keep all graded material in their notebook. Students and parents may discuss progress with Mrs. Ford before or after school. Parents may schedule a conference any school day after school. Parents may schedule a conference any school day after 3:30 by calling or emailing the instructor.



TUTORING

Students may schedule tutoring sessions by appointment before or after school. Appointments must be made at least one day in advance.

LABS

Dress appropriately for lab situations (no flip flops, clothes that can get dirty, etc.). Mrs. Ford will notify of labs one day in advance so that you may be prepared. Failure to participate in labs will result in a “0” for the lab activity.

FIELD TRIPS

Students may take various visits to local agriculture related businesses and special interest areas depending upon student/class behavior. By signing the required documents, you give permission for your child to participate in these visits.

CLASSROOM RULES:

Rules for the classroom are as follows:

Students are considered as young adults and should conduct themselves in such manner. It is the opinion of the instructor that you do have self-discipline and already know the basic rules of any classroom. In the event you cannot conduct yourselves in an adult manner, then appropriate rules will be made to correct the undesirable behavior. It is unfair for a few to jeopardize the rights of the majority to a successful and meaningful education.

Cheating in any way, shape, or form will not be tolerated in this classroom. All parties involved in cheating will be given a zero—regardless of who did the work. If you help someone cheat, you are just as guilty and will suffer the same consequences. I expect you to do your own work. Cheaters may also be assigned ISS by an administrator. **One zero has a significant impact on your overall grade.** Please keep in mind that I am very serious about this policy

ATTENDANCE:

Due to the nature of this course it is imperative that you attend class daily. Your daily work will be assigned and completed during class time (100 minutes). Any students in the grades 9-12 who is absent (excused and unexcused) from school for more than (14) days per year (7 per semester) will not receive course credit. The more often you are in class, the more likely you will succeed in the class.



MAKE-UP POLICY:

Upon returning to school from an absence, an admission slip must be presented indicating whether the absence was excused or unexcused. If the absence is excused, you will have **3 days** from the date of return to make up any missed assignments. If your absence is unexcused, you will not be permitted to make up any work. It is the student's responsibility to pick up any handouts or obtain notes taken in class while student was out. Remember, an **ABSENCE** is any time that you are not physically present in class. This includes, but is not limited to, field trips, suspension (ISS/OSS), and college visitation.

STUDENT ORGANIZATION:

FFA is the organization for students studying or interested in agriculture – **ALL STUDENTS ENROLLED IN AN AGRICULTURAL EDUCATION CLASS ARE REQUIRED TO JOIN**. FFA allows students to develop life skills including teamwork, public speaking, and leadership qualities as well as participate in competitions and award programs. Activities provide a connection between classroom instruction and real life situations related to agricultural careers. **Dues are \$25**. You may join at any time during the school year **BUT** there are **deadlines** that has to be met. Before and after school meetings are held monthly in the Ag Lab.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE)

Each student will develop and plan an SAE project in which they will spend at least 30 hours outside of class completing. We will discuss the SAE in detail during the first few weeks of the school year. This is a large portion of the student's grade and will require some parent involvement and supervision. SAE paperwork will be given to the student.

ACCIDENT INFORMATION

As a student enrolled in an agricultural education course at Macon County High School, your son/daughter has the unique opportunity to learn valuable skills that will help them in a career field or in real life experiences. Students will learn basic safety information and specific safety concerns for equipment/tools used in each course, however there is a greater risk in these settings than in the regular classroom. If you have any specific concerns about your child enrolling in an agriculture course due to these safety issues, feel free to contact Mrs. Ford, All accidents are reported to our school nurse and proper medical treatment is given. By signing the attached sheet, you are giving permission for the staff at Macon County High School to seek appropriate medical treatment for your child and understand that there are risks involved in agricultural education courses.

SOME FINAL THOUGHTS:

I think you will find this class quite enjoyable if you put forth the appropriate effort. I expect you to act in a **MATURE** manner at all times and follow directions. You are responsible for your own performance in this course. You get what you put into it! I expect your best effort in all assignment. You should take this class as seriously as you do your academic classes. It will benefit you in the future, regardless of your chosen career path.



Mrs. Ford's Agricultural Mechanics Technology 1 Syllabus Agreement

Student Name: _____

I have read, reviewed, and understand the course outline, class rules, and policies and procedures for this course.

If I have any concerns throughout the school year, I will contact the teacher to resolve them.

Student's Signature

Date

Parent's Signature

Date



AGRICULTURAL MECHANICS SHOP SAFETY CONTRACT

1. I understand that eye protection needs to be worn correctly in the shop at all times without exception.
2. I will follow all safety procedures at all times without exception.
3. I understand that loose clothing, loose jewelry, including rings of any kind, long hair (not in a ponytail), and neckties (not protected by coveralls) can be dangerous in the shop and should not be worn.
4. I understand that Safety Signs are to be understood before using the equipment and the safety procedures are to be followed during its' use.
5. I understand that protective clothing is an important part of shop safety and that clean coveralls and leather boots should be worn at all times (especially in welding and agricultural fabrication).
6. I understand that horseplay is never allowed in the shop and can cause serious injury to myself and to other students around me.
7. I will report all accidents, no matter how minor.
8. I understand that cleaning the shop at the end of each class period is an important part of shop safety and I will participate at the end of every class or whenever it is needed.
9. I understand that running is never allowed in the shop at any time.
10. I understand that all tools and equipment, welding electrodes, steel, wood, and grease rags are to be stored properly.

Failure to comply with this safety contract can and will result in detentions, parent-teacher conferences, and/or expulsion from this class and any other shop class you are currently in and you will be kept out of any other shop classes in the future for safety and liability reasons.

Parent's Signature: _____

Student's Signature: _____

Instructor's Signature: _____

Date: _____