

# ***Agricultural Mechanics Technology 1 - 01.42100***

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**Instructor:** Ms. Casey Elias  
**Email:** [clelias@jasper.k12.ga.us](mailto:clelias@jasper.k12.ga.us)  
**Planning:** 7th Period

**Phone:** 706-468-5016 ext. 128  
**Room:** 202  
**Prerequisite:** Basic Agricultural Science

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## **Course Description:**

This course is the second course in both agricultural pathways that we offer. Agriculture education is divided into three equally important areas and each will be required for successful completion: classroom instruction, FFA participation, and SAE completion.

## **Course Outline:**

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|-------------------------|--|
| 1. Employability Skills | 2. Safety                                      |
| 3. Careers              | 4. Hazard Analysis                             |
| 5. Woodworking Tools    | 6. Woodworking Lumber, Fasteners, and Finishes |
| 7. Electrical Theory    | 8. Electrical Applications                     |
| 9. Welding              | 10. Oxygen/Acetylene Torch                     |
| 11. Four Stroke Engine  | 12. Tractor Operation and Maintenance          |

## **Grading Procedures:**

As with all classes at JCHS, summative tests count 60%, formative quizzes count 30%, and daily grades count 10%.

***20% of your overall grade for the year will come from the SAE project, 20% will come from FFA points, and 60% from classroom and lab instruction.***

A student may choose to retake quizzes and tests ONCE during each semester. To qualify for retaking a quiz or test, the student's parent/guardian notified me via email, within one week of the posting of the grade in Infinite Campus, that their student wishes to retake the quiz/test. Students will have daily bell ringers at the start of each class. These will count as weekly grades, there may be a quiz over them as well so keep up with them!

## **Supervised Agricultural Experience (SAE):**

The SAE program offers real world experience in agriculture fields and builds skills in organization, record keeping, decision making, and analysis. The program is student designed and is completed outside of regular class time. ***Every student is expected to complete an SAE project as it counts 20% of the entire grade for the year.***

- The SAE program is one of three parts of Agriculture Education. It provides hands-on experience in any area of agriculture that the student chooses. The project requires a minimum of 25 hours of documentation. 3 points per hour logged for a total of 75 points of the SAE project total coming from logged hours.
- SAEs can include *home or community improvement projects* (landscaping, gardening, food processing, floral arrangements, compost bin or bird house construction, etc.), *job placement* (for experience or wages), *agriscience research investigations*, *entrepreneurship*, (start your own business), *directed lab activities after school* (greenhouse, livestock, etc.), or *agricultural communications* (magazines, website development, etc.). The best projects are those that can be continued and expanded upon in continuing years.
- Student will choose a project and develop a plan. The plan will detail what he/she will be working on throughout the semester, and a list of needed resources to complete the project. The plan will be signed by the student, parent(s)/guardian(s), other involved adult(s) such as a landowner or employer, and the instructor.
- The student will keep detailed records of his/her activities, to include 5 pictures (each picture is worth 5 points), of the student working on his/her project. The final report will be presented in class May 1st, using some type of visual aid (poster, PPT, actual product, etc.)

### **Expectations and supplies:**

Basic behavioral expectations apply at all times: be on time, be prepared, be respectful, be on task, and follow all instructions given. We will be completing a variety of lab assignments and projects this year. Some of the equipment you will use can be very dangerous if not used properly, as such I have very high expectations that all students are well behaved at all times, and that they pay close attention to the safety of themselves and to others. All students need a 1.5" three ring binder with at least 3 dividers, notebook paper, and something reliable to write with.

### **Student-Centered Disciplinary Action:**

Major disciplinary infractions (drugs, alcohol, weapons, fighting, etc.) will result in an immediate office referral. Minor infractions will follow the school's three step procedures. Step one being a warning, step two is parental contact, and step three will result in an office referral.

### **Leadership Development (FFA):**

Each student enrolled in an Agriculture class is strongly encouraged to become a member of the National FFA Organization. The FFA provides many leadership activities, including monthly meetings, chapter activities, Career Development Events (CDE), field trips, cook outs, Ag Olympics, and many other opportunities that are only available to FFA members. Several of these events are free to FFA members. **Dues are \$15.00 for a one-year membership.** These dues will also pay for state and national membership into this organization. Each student will be required to earn Leadership Points. Points will be recorded by the teacher and be visible on the back wall of the classroom to see where you stand. Points can be awarded by participating in a variety of chapter activities.

**Dues are required for this class. It acts as an "activity fee." Students to not HAVE to attend events after school to be able to pass the class. I ask that they simply try to participate when possible. This acts as our "leadership" aspect of the class to get students to try new things! Dues are asked for at beginning of school but can be made in payments. Please notify me with any questions about this!**

### **Examples of Ways to Earn FFA Points**

Attendance at chapter meetings, volunteering at an FFA event (BBQ, Ag Olympics, Deer Festival Float, etc.), Area, State, and National conferences, earning FFA degrees, participation in CDE's, FFA community service activities, etc.

### **Syllabus Confirmation**

I have read the course syllabus and understand the information contained therein.

***\*\*Please have your student return his/her FFA dues with this syllabus.\*\****

_____ Student's Printed Name	_____ Student Signature	_____ Date	_____/_____/_____ 
_____ Parent/Guardian Name	_____ Parent/Guardian Signature	_____ Date	_____/_____/_____ 
_____ Parent/Guardian Phone Number	_____ Parent/Guardian email address		