**Ag Mechanics**

**COURSE SYLLABUS**

**Instructor:** Mrs. Kayla Presley **Phone:** 928-359-2473 x320

**E-mail:** ksexton@duncanschools.org

**Grades can be accessed from home anytime at** [**https://duncan.powerschool.com/public/home.html**](https://duncan.powerschool.com/public/home.html)

**Course Description**: This course is designed to introduce students to the broad field of agricultural mechanics. Subjects covered include welding, engines, electricity, record keeping, agricultural careers and workplace skills, and leadership development. This class is conducted 75% in a laboratory setting. Each student will develop a Supervised Agricultural Experience (SAE). Career and Technical Student Organization (CTSO) standards will be an integral part of this class through participation in FFA.

**Materials**

Please bring the following materials with you to class everyday:

* Writing Utensils - pencil or pen
* Paper

**Class Expectations**

1. DO WHAT IS RIGHT
2. 100 % participation 100% of the time!
3. Be on time.
4. Show respect to everyone and everything around you
5. Challenge yourself
6. Leave it better than you found it.

**Consequences for Inappropriate Behavior**

(All decisions will be at the discretion of the instructor)

1. 1st time – Warning
2. 2nd time – Parent Contact & Detention
3. 3rd time – Removal from class and a referral submitted to administration.

**Remote Learning**

Remote learning will be utilized when necessary. All students will have access to a google classroom titled “Agricultural Mechanics” and assignments/ lessons/ instructions will be posted there. Invitations will be sent to students’ school assigned emails.

**Grading**

This course consists of three components: Agriculture Instruction/Curriculum, Supervised Agriculture Experience, and the FFA.

1. **Agriculture Instruction/Curriculum**: Grades are not given, they are earned. Grades will be determined by the degree to which objectives are met, success is achieved, timeliness, neatness, and original work. A Pre, Mid and Post test will be given.
2. **Supervised Agriculture Experience (SAE) Project**: Students will be expected to start an SAE this semester. Students will keep an electronic record of this project and are expected to take photos of their project throughout the school year. It will be the responsibility of the student to keep accurate records throughout the school year. Each student will also have a SAE visit, where the instructor will come and visit the project to assist the student with any questions they may have.
3. **FFA Leadership Grade**: A major aspect to this course is the development of leadership skills, speaking abilities, teamwork and other skills that will play a role in every individual’s career choice. Students are highly encouraged to participate in FFA activities and have the opportunity to participate in the district and state FFA activities. Extra credit will be given for awards and achievements at FFA competitions. A points system will be kept and those with the highest points at the end of the year will be rewarded! Please keep an eye on the FFA bulletin board in the front of the classroom.

**General Procedures**

*Late work*:

Assignments turned in late, not due to absence(s), will be accepted, but at half points.

*Make-up work*:

It is your responsibility to pick up any missed assignments. Missed labs must be made up after school within one week. If you don’t understand the assignment, please ask, I am here to help you. You have two days to make up missed work; otherwise it becomes late work, and worth half points.

**SAFETY**

This is a laboratory course, which will utilize tools and other dangerous equipment. Safety is our NUMBER ONE priority in the shop. Failure to follow proper lab procedures will result in a zero on the lab and a phone call home.

-If any person is caught being unsafe in any way in the shop the ENTIRE class will have to come back into the classroom and take the safety test again until every single person passes.

-If the same person/people continue to knowingly be unsafe ( including failure to wear safety glasses or proper shop clothes) in the shop they will be removed from the class and not allowed to return.

-I cannot express how incredibly important safety in the shop is.

- A safety test must be passed with 100% accuracy before any student will be allowed to use equipment in the shop.

* Standards to be covered:

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| * + STANDARD 1.0 EXAMINE THE NATURE, SCOPE, AND ROLE OF AGRICULTURE IN THE SOCIETY AND THE ECONOMY |
| * + STANDARD 2.0 EXAMINE THE IMPACT OF TRENDS, TECHNOLOGIES, AND POLICIES ON AGRICULTURE |
| * + STANDARD 3.0 EXAMINE THE USE OF SCIENTIFIC PROCESSES USED IN AGRICULTURE |
| * + STANDARD 4.0 EXAMINE THE RELATIONSHIP OF THE ENVIRONMENT TO AGRICULTURE PRODUCTION AND SUSTAINABILITY |
| * + STANDARD 5.0 EXAMINE SOIL MANAGEMENT FOR PLANT AND ANIMAL PRODUCTION |
| * + STANDARD 6.0 EXAMINE CELL BIOLOGY, STRUCTURES, AND PROCESSES |
| * + STANDARD 7.0 ANALYZE PLANT SCIENCE PRINCIPLES |
| * + STANDARD 8.0 DEMONSTRATE CONCEPTS OF PLANT MANAGEMENT |
| * + STANDARD 9.0 ANALYZE ANIMAL SCIENCE PRINCIPLES |
| * + STANDARD 10.0 DEMONSTRATE CONCEPTS OF ANIMAL MANAGEMENT |
| * + STANDARD 11.0 ANALYZE PRINCIPLES OF INTEGRATED PEST MANAGEMENT (IPM) IN PLANT AND ANIMAL SYSTEMS |
| * + STANDARD 12.0 EXAMINE FOOD SAFETY AND PROCESSING PRACTICES |
| * + STANDARD 13.0 APPLY PRACTICES AND PROCEDURES FOR PLANNING, BUILDING, AND MAINTAINING STRUCTURES |
| * + STANDARD 14.0 DEMONSTRATE OPERATION OF TOOLS, EQUIPMENT, AND INSTRUMENTS |
| * + STANDARD 15.0 DEMONSTRATE AGRIBUSINESS MANAGEMENT, FINANCE, AND MARKETING SKILLS |
| * + STANDARD 16.0 EXAMINE TECHNOLOGY TOOLS AND SYSTEMS USED TO ACCESS, MANAGE, INTEGRATE, AND CREATE INFORMATION AND SOLVE PROBLEMS   + **PS STANDARD 1: COMPLEX COMMUNICATION: Employs complex communication skills in a manner that adds to organizational productivity**   + **PS STANDARD 2: COLLABORATION: Collaborates, in person and virtually, to complete tasks aimed at organizational goals**   + **PS STANDARD 3: THINKING AND INNOVATION: Integrates expertise in technical knowledge and skills with thinking and reasoning strategies to create, innovate, and devise solutions.**   + **PS STANDARD 4: PROFESSIONALISM: Conducts oneself in a professional manner appropriate to organizational expectations.**   + **PS STANDARD 5: INITIATIVE AND SELF-DIRECTION: Exercises initiative and self-direction in the workplace.**   + **PS STANDARD 6: INTERGENERATIONAL AND CROSS-CULTURAL COMPETENCE: Interacts effectively with different cultures and generations to achieve organizational mission, goals and objectives.**   + **PS STANDARD 7: ORGANIZATIONAL CULTURE: Functions effectively within an organizational culture.**   + **PS STANDARD 8: LEGAL AND ETHICAL PRACTICES: Observes laws, rules, and ethical practices in the workplace.**   + **PS STANDARD 9: FINANCIAL PRACTICES: Applies knowledge of finances for the profitability and viability of the organization.** * **\*\*\*In addition to the above standards, academic standards such as math and English are incorporated daily.** |

**Disclaimer:** This course, its instruction, materials and assessments are free from bias and stereotypes associated with race, color, national origin, sex & disabilities. Accommodations are provided when appropriate.

*Homework Assignment #1 – Due:*

**Agricultural Mechanics Course Statement Receipt**

I acknowledge that I have read over the course statement for this course. I understand the student’s role and responsibilities associated with the course in the areas of Agriculture Instruction/Curriculum, Supervised Agriculture Experience, and the FFA. I understand that if I have any questions or concerns regarding the course grade, content, or requirements, I can contact the instructor. I also understand the safety requirements for this class and agree to follow them.

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/ Guardian Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/ Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Parent/ Guardian Contact Information and Preferences**

Parent/ Guardian Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Daytime Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Home Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Email Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_