**Lufkin High School**

**Agricultural Facilities Design and Fabrication**

**Instructor: Anna Colwell Lamb**

**Class Period: 1st**

**Email:** **acolwell@lufkinisd.org**

**Conference Periods: 2nd Period**

**Ag Office Phone: 936-630-4126**

**Course Objective:** To provide students with an opportunity to learn and apply skills relating to various agricultural mechanics fields.

**Course Description:** Per TEKS 130.23 Agricultural Facilities Design and Fabrication

1. General requirements: This course is recommended for students in Grades 11-12.
2. Introduction: To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

**Course Expectations:** Students are expected to actively participate in the learning process both in and out of the classroom. Knowledge gained in the classroom will be mastered before students will have an opportunity to apply that knowledge in the shop setting.

**Attendance:** The attendance policy will reflect the policy of Lufkin High School. Students should be in the classroom and ready to begin when the tardy bell rings. **Students may be required to bring and wear appropriate clothing for certain shop activities.**

**Safety:** All students must pass a MAJOR GRADE Safety Exam of a 100 before allowed into the shop. Any student caught violating the safety rules will be permanently removed from the shop.

**Materials:** The textbooks will be provided for the students. They will need the follow class supplies: Composition or spiral notebook, blue or black pens, notebook paper. If supplies are needed for a project, it will be announced ahead of time.

**Course Requirements:** All students MUST have the following Personal Protective Equipment (PPE) before they will be allowed to work in the shop.

* Close Toe Shoes
* Long Pants/Jeans
* Long Sleeve Shirt

\*\*Welding hood, gloves, and safety glasses are provided for each student\*\*

\*\*Students may choose to keep their belongings in a locker if they provide a lock.\*\*

**Grading Criteria:**

Major Grades (Tests and Projects): 60%

Daily Grades (Classwork, Homework, Notebook Checks, Participation): 40%

\*\*Work not turned in by the due date will receive a maximum grade of a 70 if turned in one class period late. Work turned in two class periods late will receive a maximum grade of a 50, and late work will not be accepted after two class periods.\*\*

\*\*Students are responsible for getting any make-up work missed.\*\*

\*\* Retesting: Retests are allowed if a test is failed. The procedure for a retest is as follows: a parent signature must be on the failed test and the graded recorded as a test grade will be an average of the failed test and the re-take.\*\*

**Topic Overview:**

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| * Intro to Class
 | * Shop Safety
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| * Oxy-fuel Cutting
 | * SMAW “Stick” Welding
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| * Ag Construction
 | * Concrete
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| * Plumbing
 | * Electricity
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| * Soil and Water Management
 | * Large Engines
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| * Small Engines
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**Assignments/Quizzes/Tests:** There will be various tests, quizzes, and assignments through out the year and the students will have plenty of notice before they are due. Students will be working on projects for the school, chapter, and community.

**Participation**: A weekly participation grade will be taken. Each day is worth 20 points. If you are not actively participating, 20 points will be deducted off your weekly participation grade.

**Discipline:** Students are expected to complete all assignment, participate in all required class activities, and observe all classroom and shop rules. Students who do not follow rules will face consequences. Disrespect of classroom or shop materials, classmates, and staff will not be tolerated. All Lufkin High School rules and procedures will be enforced.

**Classroom Rules:**

The following classroom rules will be enforced in order to ensure a productive learning environment that is essential for your child’s comprehension of the material being taught.

* Be Safe: Students are expected to be safe whether it is in the classroom, greenhouse, or ag mechanics shop. Accidents are prevented when we use caution.
* Be Respectful: Students will respect the teacher, fellow students, and the classroom at all times during class.
* Be Prompt: Students are expected to arrive to class and to be in their seat before the tardy bell rings.
* Be Prepared: Students are expected to come to class each day prepared. This includes a pen/pencil, paper, and completed assignment. I expect every student to be in their seat when the tardy bell rings.
* Be Positive: Students are expected to have a positive attitude. When we think positively we react positively.
* Be Productive: Students are to be on task at all times.
* Be Polite: Students are to be polite to other students as well as the teacher.
* No Food, Drink, or Gum: Food, Gum, or Drinks will not be allowed at any time. If a student is caught with such they will have to throw it away.

**Consequences**

* Verbal or Written Warning
* Conference with student
* Phone call to parents
* Referral to office

**Class Procedures:**

* Paper Headings: All I need on the top of your paper is your name, class period, and the name of the class. If the assignment does not have a title, please write the title of the on the top line.
* Starting Class: Please arrive to class on time. Make sure that you have a blue or black pen and completed prepared for class before the tardy bell rings. Each day I will have a warm up assignment posted.
* Hall Passes: You will be allowed to leave class to go to the office, counselor, etc. 9 times during each 9 weeks with a hall pass. If your hall pass is not completely used up during a 9 weeks, you can turn it in for a free 100 quiz grade.
* Ending Class: The bell does not dismiss you, I do. Remain in your seat until I dismiss you. If we need finish discussing a topic, we will finish it before you leave the classroom.
* Homework: Most of the time, you will have time in class to work on assignments-use it to your benefit. At times, assignments will need to be completed at home. When an assignment is completed at home it is due the next day unless otherwise noted. Work must be shown on all questions in order to receive full credit and it must be legible.
* Make Up Work: It is your responsibility to make the work for the day that was missed. If you are absent, there will a file located in the room with any handouts and assignments for the day that they were missed. It is your responsibility to check the file folder for the day that you were out. You will have up to 3 days to complete the work and turn it in. If a test is missed, you will take the test on the day that is designated. If you know ahead of time that you will absent, let me know so that you can pick up your work ahead of time.
* Tests: Tests must be completed in the allotted class time. You may not come during other class or after school to finish a test.
* Retesting: Retesting is available in my class. The policy is: a parent signature must be on the failed test; a tutorial must be completed over the subject the test was on (this will need to be scheduled with me); and the grade recorded will be an average of the original test grade and the re-take.
* Cheating: If you are caught cheating, you will receive a zero but you be allowed to take the re-take. However, the zero and the grade on the re-take will still be averaged together. This means the highest possible grade would be a 50.
* Plagiarism: If you are caught plagiarizing any research paper, you will receive a zero.
* Communication: Every week I will give you a progress report for my class so you will know your current average and if you have any zeroes in the class. If you are struggling in any way, please come and talk to me. I want you to be successful and to enjoy your time at Lufkin High School.
* Journals: Keeping a journal will be a very important part of this class. You will be responsible for maintaining your journals daily. We will use 1 composition book this year. Journals will be turned in weekly for a daily grade. They will be graded upon completion, creativity, use of color, neatness, and ability to follow directions.
* Contact Information: If at any time you need to contact me, you may do so by emailing me at acolwell@lufkinisd.org or calling the school at 936-630-4126.

**Please return signed by Friday, August 29, 2014 to receive a 100 quiz grade.**

Signing this syllabus acknowledges receipt and agreement.

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Student Signature Date Parent Signature Date