

# C.H. Yoe High School

## Agriculture Science

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### Agriculture Equipment Design and Fabrication

In Agricultural Equipment Design and Fabrication, students will acquire knowledge and skills related to the design and fabrication of agricultural equipment. To prepare for careers in mechanized agriculture and technical systems, students must attain knowledge and skills related to agricultural equipment design and fabrication.

#### Certified Welding & Testing:

Students will work towards completing their American Welding Society (AWS) D1.1 and D9.1 welding certifications. They will be required to perform welding qualification test following the proper Welding Procedure Specifications (WPS) for each certification attempted.



#### Rules:

- Be Responsible
- Be Respectful
- Be Receptive with a Good Attitude

#### Grading Procedures:

- Daily Work/Participation - 50%
- Tests/Projects - 50%



#### Class Materials:

- Writing Utensil
- Chromebook for online curriculum.

#### Class participation grades will be based on the following scale:

- Student exhibits on-task behavior entirety of class period – 90 to 100
- Student exhibits on task behaviors majority of class period – 80 to 90.
- Student occasionally exhibits off-task behaviors – 70 to 79.
- Student regularly exhibits off-task behaviors – 60 to 69
- Student does not participate – 0-50

#### Food/Drink:

No food or drink in the classroom or shop.  
Eat in the Cafeteria Only.

#### Shop Requirements

**Students will be required to perform shop skills (arc welding, oxyfuel and plasma arc cutting) using hand tools, power tools and shop equipment throughout the entirety of the course and will be required to follow all safety rules and guidelines at all times.**



#### Yoe FFA

Enrollment in this course gives students automatic membership into C.H Yoe FFA. It is highly encouraged that students take advantage of this membership in a premier leadership organization. Information about Yoe FFA will be presented in class on multiple occasions.

#### Yoe FFA Information:

**Calendar:** <http://goo.gl/5a6Wk3>

**Facebook:** Cameron Yoe FFA

**Twitter:** [https://twitter.com/ffa\\_yoe](https://twitter.com/ffa_yoe)

**Website:** [www.yoe.ffmpeg.org](http://www.yoe.ffmpeg.org)



**Agriculture is our wisest pursuit, because it will in the end contribute most to REAL WEALTH, GOOD MORALS, and HAPPINESS. – Thomas Jefferson**

# **Shop Safety Rules**

1. **Always** wear appropriate eye protection anytime you are in the shop!
2. Know where all fire exits and fire extinguishers are, as well as where all first aid equipment is located.
3. Report any injuries to the teacher immediately.
4. Keep tools in good condition and report non-functional tools to teacher.
5. Be aware of your surroundings at all times. Watch for others before using tools & equipment.
6. Use the correct tool for each job. Do not use a tool improperly.
7. Keep safety guards in place on all tools.
8. Make sure all work is secured before using any tools on it or performing any work.
9. Once a tool has been used it is to be properly cleaned and put back in its place in the tool room.
10. Keep work area clean and picked up to prevent a potential trip hazard.
11. **Everybody will clean the shop at the end of each class to ensure the next group enters a clean and safe work environment!!!**

## **Personal Protections and Supplies:**

### ***Recommended Student Supplies (NOT Provided by CISD):***

- Long Pants – (Blue Jeans or the equivalent)
- Closed toe boots or shoes - ***Required***

### ***Required Student Supplies (Provided by CISD):***

- Safety Glasses (***Must be worn at all times in shop!***)
- Welding Jacket – 100% Cotton Denim
- Welding Helmet
- Welding Gloves
- Welding/Cutting Face Shield
- Ear Protection (*when necessary*)

# Yoe FFA Incentives Field Trip Y Award Qualifications 2021-2022

We want all of our FFA members to have a well-rounded FFA experience. To provide this we offer our students several ways for members to step up and expand their leadership experiences. The following point values will be awarded for activities above and beyond the school day. A minimum of 50 points will be needed to obtain the FFA Trip at the end of the year as well as to qualify for the Y Award. DAEP placement is automatic loss of trip.

Yoe FFA Chapter Meetings/Events	5 Points
District/Area/State FFA Events	3 Points
Apply for Officer Position	3 Points
Hold an Officer Position	5 Points
Compete LDE/CDE/Speaking/Ag Science Fair Welding Contest	5 Points Per Team, 2 Points per contest (no matter level of contest)
Participate in Milam Co/Rockdale Fair (animal/ag mech)	2 Points each
Participate in Major Livestock Show (animal/ ag mech)	3 Points each
Concession Stand Participation	5 Points per concession stand
Buy or Sell FFA T-Shirts	1 Point per shirt
Cookie/Fruit Participation	1 Point per item
Committee Member	5 Points
Attend Committee Meetings	3 Point per meeting
Community Service Activity	5 Points for each activity
Promote FFA – teacher discretion	1 Point
Attend CJH/YHS Open House – Sign in with Ag Teacher	2 Points
Fill out Yoe FFA Award Applications (Degree/Proficiency)	2 Points
Completion of Industry Based Certifications	5 Points

# Syllabus Acknowledgement

Student: \_\_\_\_\_

Class: \_\_\_\_\_ Class Period: \_\_\_\_\_

Student Email: \_\_\_\_\_

Yes   No   I have taken an Agriculture Science Class before this year

I, \_\_\_\_\_, (student) have read the course syllabus and understand all the terms and conditions for enrolling in the Agriculture Science course listed above. I agree to abide by the class rules and expectations. I agree to have a fun-filled learning experience!

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

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

Parent Phone # \_\_\_\_\_ Email: \_\_\_\_\_

I, \_\_\_\_\_, the parent of \_\_\_\_\_ have read the course syllabus and understand all the terms and conditions for my child to enroll in the Ag Science course listed above.

**Parent Signature:** \_\_\_\_\_ *Date:* \_\_\_\_\_