

Carter's "Can Do's" for the Agriculture Classroom

Mr. Carter, Room 304B

- Agriculture Welding I – Beginning Welding/Oxy-Fuel,
- Agriculture Welding II – Advanced SMAW Certification,
- Welding 3 – GMAW and FCAW Certification, and
- Welding 4 – GTAW Certification

Courses Syllabus

Introduction:

Welcome to the Camp Verde High School Agriculture Welding Program. While in this class you will be exposed to various opportunities to develop your knowledge in agricultural areas. In this handout you will find a brief description of our expectations' of you in the classroom, laboratory, and community. It is important that you become familiar with our expectations as your success in the course depends on your knowledge and effort. Please read through this information, ask questions for clarity, and then sign the form along with your parent, if you agree with and understand the criteria and expectations to succeed in the course. Our expectations of you are a willingness to learn, a positive attitude, strong participation, and a good work ethic. With the help of your classmates this should be an exciting and fun course with a "hands-on" approach to learning. It should further your realization that learning is fun and a lifelong process.

The Camp Verde Agriculture Department is, "Developing Tomorrows Leaders Today!"

Goal: The primary goal of the Camp Verde High School Agriculture Welding is to provide each student with the opportunity for the best possible education by keeping with the student's interests and abilities. This opportunity is available as long as the students' benefits and does not interfere with other students' rights to receive an education. The Department is designed to develop vocational talents and encourage worthy attitudes & interest of all the students enrolled.

Course Standards:

Foundational Standards: *(learned in all courses)*

- Career Planning and Exploration
- Employment Preparation
- Supervised Agriculture Experience
- Oral and Written Communication Skills
- Agriculture's affect on the Economy
- Business and Financial Management
- Leadership Activities.

Agriculture Welding I – AWS SENSE OFC & PAC Welder Certification:

(Course meets YCC WELD 130 requirements, must take as Jr. or Sr. If taken as Fr. or Soph. You will need to also take Ag Mechanics I to receive YCC credit.)

- Course Overview and Safety
- Tool & Material ID and Usage
- Oxy-Fuel and Welding Safety Practices (5.0)
- Welding Vocabulary
- Metal Shop Equipment Operation (8.0)
- Safely Working with Electricity
- Basic Sketching and Blueprint Reading (1.0)
- Bill of Materials (1.0)
- Metal Fasteners.
- Advanced Oxy-Fuel Welding (5.0)
- Oxy-Fuel Brazing (5.2)
- Oxy-Fuel Cutting (2.1)
- Basic Shielded Metal Arc Welding (3.0)
- Plasma Arc Cutting (2.2)

Ag Welding II – AWS SENSE SMAW & CAC-A Welder Certification:

(Ag Welding I prerequisite. Course meets YCC WELD 140 requirements, must take as Jr. or Sr. If taken as Soph. You will need to also take Ag Mechanics II to receive YCC credit.)

- Course Safety and Overview
- Welding Safety & Health Practices
- Electrode selection
- Terminology and Symbols
- Drafting and Reading Blueprints
- Advanced SMAW process
- Weld Testing and Certification
- MIG Welding
- Carbon Arc Cutting
- Specialty Welding Processes
- Machining Processes
- Welding from Blueprints.

Welding 3 – AWS SENSE GMAW & FCAW Welder Certification:

(Prerequisite - Ag. Welding II – concurrent enrollment with YCC)

- Course Safety and Overview
- Review Oxy-Fuel cutting and SMAW Welding
- Gas Metal Arc Welding – Spray
- Blueprint and Design Development
- Equipment Maintenance and Repair
- Flux Cored Arc Welding

Welding 4 – AWS SENSE GTAW Welder Certification:

(Prerequisite = Welding 3 or Instructor's permission – concurrent enrollment with YCC.)

- Course Safety and Overview
- Review of Welding Processes
- Gas Tungsten Arc Welding
 - Aluminum
 - Stainless Steel
- Carbon steels
- Welder Certification Tests
- Computer Assisted Machining
- Equipment Maintenance and Repair

District and Agriculture Program Grading Policy:

- **FFA or SKILLS USA** is an integral part of the Camp Verde Agriculture Welding program and the Arizona State mandated curriculum. Every student enrolled into an Career Technology Class at Camp Verde High School is a member of the FFA or SKILLS USA. Your participation in this organization is part of the curriculum and therefore is required by the State of Arizona and the Camp Verde Unified School District. This participation is worth 8 percent of your overall grade in your Agriculture Classes. The Department requires your participation in five (5) activities per semester, of which one is a fund-raiser activity for the chapter. In addition you will need 3 hours of community service per semester for the Chapter. If you do community service for other organizations (non-FFA or SKILLS USA) you will need 6 hours per semester and prior approval. If you do not complete the fundraising activity and the community service you will be ineligible for sponsored trips (i.e. Summer and Winter Top Ten, Peoria Mini-Camp, National Convention, etc...)
- Every student is required to have a **Supervised Occupational Experience Project (SOEP)** as part of the curriculum or plans their first semester. The student's project is worth 8 percent of their overall grade. Every two weeks each student will update their record book on the computer in the classroom. They should have worked one hour toward their SAE project. To earn this portion of their grade they will have to keep a project portfolio. The project portfolio will contain the following:
 1. Up to date official record book,
 2. Project plans and time line, and
 3. Quarterly reports that illustrate skill development and projects.
- **Homework and your Notebook (class record keeping)** is an important part of the education process and they too are important in your success in learning. They are worth 8 percent of your overall grade.
- **Quizzes and Exams** check for reinforcement of information and knowledge and help to evaluate how you're progressing in attaining the State and District Standards being taught in the course. Exams and Quizzes make up 32 percent of your grade in the Non-Laboratory Agriculture Classes and 16 percent of your grade in the Laboratory Agriculture Classes. (*Non Laboratory Ag Classes are 7th & 8th grade Agriculture Exploration, Intro to ABS, and ABS.*)
- Learning **Laboratories** are used to develop skills and demonstrate desired performance objectives in meeting State and District Agriculture Standards. **Laboratory Practicums** make up 16 percent of your grade with your **daily participation grade** making up another 24 percent of your grade in the Laboratory Agriculture Classes and 16 percent of your grade in the Non-Laboratory Agriculture Classes. (*Lab classes are Ag Welding I & II, and Welding 3&4.*)
- The Camp Verde Unified District requires that the **Semester Finals** makes up 20 percent of the grade each semester. The **Semester Final** will be ¼ - Multiple Choice, True False, and written **exam** and ¾ - **performance** project based exam.

Weighting Scale for Grades:

Categories	Lab Ag Classes
Exams and Quizzes	16.00%
Laboratory Practicums	16.00%
Daily Grade	24.00%
Class Record Keeping	8.00%
SAE Project / Portfolio	8.00%
FFA Participation (CTSO)	8.00%
Semester Final Exam	5.00%
Semester Practicum	15.00%
Total Grade	100.00%

A 70 percent overall meets the State Defined Standard therefore the Agriculture Welding Department has adopted the following grading scale. Either you meet the standard or fail.

Exceeds and excels in the Standard.....A = 93 - 100 percent
Above average for standard.....B = 84 - 92 percent
Average for the standardC = 75 - 83 percent
Meets the standard.....D = 70 - 74 percent
Fails to meet standard.....F = Below 70 percent

Discipline Policy:

Rules

1. Each student is expected to know and respect the rules set forth by Camp Verde High School and the Camp Verde Unified School District. We will especially emphasize the rules regarding the use of tobacco, drugs, alcohol, possession of illegal weapons, and attendance.
2. Each student will be expected to come prepared to class. Being prepared includes bringing the appropriate writing utensil, notebook, paper, and wearing the appropriate clothing for the day's activity.
3. Every student enrolled in a class offered at Camp Verde High School will be expected to participate in local intra curricular activities, maintain an agriculturally relate project, and keep an up to date record book.
4. Every student is to respect the rights of others and their property, be respectful and courteous to visitors of the program, dispose of all waste generated by themselves in it proper place, and replace all tools and equipment after the cleanup bell rings and before they leave the classroom.

Consequences

1. Verbal Warning
2. Detention (Classroom Behavior Essay Assigned) until completed or teacher directed consequences that fit the improper behavior.
3. 30 minute Detention and Parent Contact – Conference Scheduled
4. Referral plus above Consequences.
5. Removal

As a student in the Ag Welding courses it is your responsibility to:

1. Be punctual in the attendance of class.
2. Follow class and school rules and guidelines.
3. Be respectful of others and the class
4. Wear proper and appropriate clothes.
5. Bring all necessary supplies and materials.
6. participate in the daily assignments
7. Care for and properly handle equipment and tools.
8. Keep an up to date notebook and records.
9. Be responsible for damage caused to equipment.
10. Participate in at least two intra curricular related activities each semester.
11. Plan a Supervised Occupational Experience Project.
12. THERE WILL BE NO MAKEUP ALLOWED! EXTRA CREDIT CAN BE GAINED FROM INTRA-CURRICULAR ACTIVITY PARTICIPATION.

Agreement: (please sign and return)

With your help, participation and cooperation this year, I know we can make this a great year! It is my intention to respect and value your time that you spend in my classroom. I have high expectations of you and expect you to rise to them. The education that you will receive in these courses is valued over \$30,000 if you had to pay for it out of your own pocket. The AWS welding certification that you can obtain is for a lifetime and will qualify you to enter the trained workforce as a welder upon graduation from Camp Verde High School. Please sign below and return the top portion of this form.

I, _____, have read and understand the classroom procedures and policy of Mr. Carter. I understand that by signing this page, I agree to the policies and procedures outlined in the attached handout and by not abiding by the rules I will receive proper consequences for my improper choices and actions. I further understand that I must provide my own personal pair of safety glasses and welding gloves to wear at all times when in the laboratory area.

Date: _____

Student Signature: _____ E-mail: _____

As the parent of the above mentioned student I am also aware of the policies and expectations of my child in the Agriculture Mechanics/Welding courses at Camp Verde High School. I understand that my son/daughter is a responsible young adult and will support any consequences given for their inappropriate actions.

Parents' Signature(s): _____

E-mail: _____

(tear and Keep the bottom portion. Return the top portion of this page)

As a teacher of the above mentioned student I promise to treat them with respect and provide the best education possible. In return I expect their behavior to be positive and appropriate. I will hold them accountable for their actions and provide them meaningful consequences for inappropriate behavior.

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