

Welding 2

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Hello, my name is Jesus Ugalde. This will be my third year teaching welding at the West Texas Training Center. I have over a decade of welding experience in the oil and gas industry. My knowledge and firsthand experience of being a welder/fabricator in the field, I believe, gives me an advantage to teach my students what I've learned throughout my career.

I am a San Angelo native, as is my wife, Rebecca Ugalde. We both graduated from Central High School, and now are educators for programs that we both took years ago. Mrs. Ugalde will be teaching Culinary Arts and human growth and development at Central High School.

I am looking forward to meeting all of you and making this the best year yet in welding!

Overview: Welding is a course designed to familiarize students with the knowledge, skills, and career opportunities in the welding trade. Emphasis is placed on technical and practical applications of shielded metal arc welding, gas metal arc welding, and oxyfuel-acetylene cutting processes, as well as safety, weld testing, and the effects of welding heat on metals. Students will also learn to read and interpret shop and structural drawings and prints, emphasizing structural shape identification, nomenclature, and welding symbols. Lastly, the primary goal of this course is to prepare students for pathway progression and AWS welding certification before graduation.

Teks:

<https://txcte.org/sites/default/files/resources/documents/Scope%20and%20Sequence%20Welding%20II%20Lab.docx>

Expectations:

Be respectful.

Be on time.

Be honest.

Be responsible.

Follow directions.

Give it your all.

Materials:

One subject notebook

Writing Utensils (pen or pencil)

Welding gloves

Clear safety glasses (Z87+) approved

I highly recommend you provide your own welding hood

Cell phones will not be allowed in the shop or classroom.

Saisd district cell phone policy: <https://www.saisd.org/students-parents/electronic-device-procedures>

Disciplinary Procedures: Follows school disciplinary policies.

Grades & Assignments: Major grades - 60%; Minor grades - 40%

School district grading policy
:https://docs.google.com/document/d/1kx3qaahF42KqgAFychPmH1cmTm5hDj4UVwtnKmuQlXs/p_review

70% of the year is conducted in a shop setting. Failure to participate daily will result in automatic failure.

'My conference period is 5th period (12:44-1:33)

In the event of tutorials or detention being assigned, I will be reaching out to parents on a case by case basis considering the logistics of my classroom being at Howard College.

Personal Protective Equipment (PPE): To maintain personal safety and adherence to

OSHA guidelines, students in welding are required to dress out in PPE on days that we are in the shop. PPE consists of a cotton or FR cover shirt, denim or FR pants, and closed-toe shoes (Steel toe NOT required). Storage is limited, and it is up to the student to bring these items on designated shop days. Welding helmets and OSHA-approved safety glasses will be provided.

Lab Safety: In this class, there will be interaction with tools that can cause harm and severe injuries if used improperly. Students will be taught lab safety and appropriate tool use before individual use in the shop. All safety assessments must be completed with 100% accuracy to participate in the shop and use any tool. Failure to successfully pass safety exams will prohibit shop participation and result in course failure. By signing this syllabus, your student has permission, upon completing the safety quizzes, to use tools while wearing appropriate PPE in the shop appropriately. Furthermore, you acknowledge improper use of tools or inappropriate behavior can cause injuries and removal from the class. When in the shop, students must always wear appropriate PPE, including but not limited to long pants and sleeves, close-toed shoes, & safety glasses. Under no circumstances will any weapons or look-alike weapons be fabricated (knives, swords, guns). If a student is caught with one of these prohibited items, disciplinary actions will be taken. Given the amount of budget used on gloves and glasses last year, this year we are forced to implement a 15\$ charge for gloves, and a 5\$ charge for glasses that are destroyed purposefully, or not returned at the end of class. By signing this syllabus, you agree to this stipulation.

If parents/guardians prefer the student not to participate in the lab, please contact me directly or the appropriate counselor to request a schedule change.

Technical Dual Credit: This class is eligible for technical dual credit through Howard College.

By completing an online or paper application and submitting the SAISD Technical DC commitment form, students are enrolled for technical dual credit. Upon successfully completing the CTE course, students will receive the technical dual credit designation on their high school transcript and their Howard College transcript.

Units of Study: The course outlined below is in no particular order and is subject to change based on available resources and student progression.
Shop Safety: Personal safety equipment & safe operation of equipment.

Cutting Process: Oxy fuel cutting torch & plasma cutting.

SMAW welding: Varied electrodes in all positions.

GMAW welding: In all positions.

Weld Inspection & Testing Processes

Metallurgy

Welding Symbols

Math for Welders

Welding Fabrication Projects

Employment Skills

Career Exploration

Parent/guardian and student must read and sign each statement below:

We acknowledge that we have read this syllabus and understand the rules and expectations of this course.
Failure to meet outlined requirements could result in course failure.

Parent/Guardian _____

Student _____

We acknowledge that safe practices and behaviors, including PPE are always required for the safety of myself
and other classmates. As well as a part of your overall grade.

Parent/Guardian _____

Student _____

We acknowledge that ALL cell phones will be taken up at the beginning of class.

Parent/Guardian _____

Student _____

We acknowledge that 100% on all safety exams is required to enter and work in the shop.

Parent/Guardian _____

Student _____

We acknowledge that we must provide our own PPE, welding gloves, clear safety glasses, and welding hood.

Parent/Guardian _____

Student _____

We acknowledge that this course is eligible for TDC and requires correct paperwork and successful course
completion to receive dual credit upon completion.

Parent/Guardian _____

Student _____

By signing below, my parent/guardian and I know, understand, and agree to the course expectations and requirements outlined in the attached syllabus.

Student Name (Print)_____

Student Signature & Date_____

Parent / Guardian Name (Print)_____

Parent / Guardian Signature & Date_____

Please circle a method of communication:

Phone Call

E-mail

Other:

Preferred phone number/e-mail address for communication:

Only return this signature page*