Welding 1

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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 also 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://www.txcte.org/sites/default/files/resources/documents/Scope%20and%20Sequence%20Welding%20I.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

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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/preview

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

'My conference period is5th period (12:44-1:33)

In the event of tutorials or detention beingassigned,Iwillbereachingouttoparentsonacaseby case basis considering the logisticsofmyclassroombeingatHowardCollege.

Personal Protective EquipmentPPE):Tomaintainpersonalsafetyandadherenceto

OSHA guidelines, students in weldingarerequiredtodressoutinPPEondaysthatweareinthe shop. PPE consists of a cotton or FR covershirt,denimorFRpants,andclosed-toeshoes(Steeltoe NOT required). Storage is limited, anditisuptothestudenttobringtheseitemsondesignated shop days. Welding helmets andOSHA-approvedsafetyglasseswillbeprovided.

Lab Safety: In this class, there willbeinteractionwithtoolsthatcancauseharmandsevere injuries if used improperly. Studentswillbetaughtlabsafetyandappropriatetoolusebefore individual use in the shop. All safetyassessmentsmustbecompletedwith100%accuracyto participate in the shop and use any tool.Failuretosuccessfullypasssafetyexamswillprohibit shop participation and result in coursefailure.Bysigningthissyllabus,yourstudenthas permission, upon completing the safetyquizzes,tousetoolswhilewearingappropriatePPEinthe shop appropriately. Furthermore, you acknowledgeimproperuseoftoolsorinappropriatebehavior can cause injuries and removal fromtheclass.Whenintheshop,studentsmustalwayswear appropriate PPE, including but not limitedtolongpantsandsleeves,close-toedshoes,&safety glasses. Under no circumstances willanyweaponsorlookalikeweaponsbefabricated(knives, swords, guns). If a student is caught withoneoftheseprohibiteditems,disciplinaryactionswillbe taken. Given the amount of budget usedonglovesandglasseslastyear,thisyearweareforcedto implement a 15$ charge for gloves, anda5$chargeforglassesthataredestroyedpurposefully,or not returned at the end of class.Bysigningthissyllabus,youagreetothisstipulation.

If parents/guardians prefer the studentnottoparticipateinthelab,pleasecontactmedirectly or the appropriate counselor to request a schedulechange.

Technical Dual Credit: This class is eligiblefortechnicaldualcreditthroughHowardCollege.

By completing an online or paper applicationandsubmittingtheSAISDTechnicalDCcommitment form, students are enrolled for technical dualcredit.UponsuccessfullycompletingtheCTEcourse, students will receive the technical dual creditdesignationontheirhighschooltranscriptandtheir Howard College transcript.

Units of Study: The course outlined belowisinnoparticularorderandissubjecttochangebased on available resourcesandstudentprogression.

Shop Safety: Personal safety equipment &safeoperationofequipment.

Cutting Process: Oxy fuel cutting torch & plasmacutting.

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*