

EASTERN NEW MEXICO UNIVERSITY-ROSWELL PRESENTS

WELDING

Hosted by Pecos Valley Welding Club

BUILD-OFF CONTEST

MAY 1ST, 2026

- SKILL COMPETITIONS
- WELDING GEAR PRIZES
- HIGH SCHOOL TEAMS

LOCATION: ENMU-ROSWELL

REGISTER NOW!

DUSTY.BAKER@ENMU.EDU

ENMU
ROSWELL
WELDING
TECHNOLOGY



Please make sure you understand the rules and expectations due before the contest.

Best of luck!

Purpose of the Contest:

The purpose of this contest is to simulate real-world working conditions found on any construction job site where metal fabrication and safe working skills are required.

Teams:

Team will consist of three (3) High School students and one (1) alternate student (*alternate students will only compete if one of the (3) team members is unable to attend after registration is complete*), under the supervision of their welding instructor/advisor or designated school official.

ENMU-Roswell

Date: Friday, May 1st, 2026

Location: Eastern New Mexico University-Roswell Parking Lot D, Roswell, New Mexico 88203

Schedule of Events:

7:00 a.m. – 7:45 a.m. - Check-in and setup

7:45 a.m. – 8:00 a.m. – Safety Meeting

8:00 a.m. – **Charcoal Grill** Build off Begins

12:00 p.m.- 12:30 p.m.- Lunch will be served (included with registration)

(Sandwiches, Chips, Drink, Cookie for contestants and instructor/advisor)

2:00 p.m.- Construction ends

2:00 p.m.- 3:00 p.m.- Judging evaluation of Charcoal Grills

3:00 p.m.-3:15 p.m. Judging tally

3:15 p.m. Award Ceremony AWTC Welding Lab

Registration:

- Registration through dusty.baker@enmu.edu
 - Registration payment of the following options:
 - Mailing a check to ENMU-Roswell, c/o Amalia Tafoya at 52 University Blvd, Roswell, NM 88203
 - Emailing a PO to Amalia Tafoya at Amalia.tafoya@roswell.enmu.edu
 - Build-Off Registration fee is \$300.00 per team entered.
 - All entries are due and final on April 24th, 2026 at 11:59 p.m. (MST) and registration fees will not be refunded.

Must have Wavier and NMFFA Team Registration form signed and turned in prior to or on the day of the event.

Build-Off Rules:

- Team will participate with three (3) members.
- Each team will construct a project in the allotted time.
- Each team must furnish all their own tools and equipment. Must bring a welding generator capable of using the SMAW process along with an Oxy- Acetylene cutting set up. NO GMAW, FCAW, or PAC machines allowed.
- Canopies will **not** be provided. Please bring your own if you want one.
- You must also bring 1 Fire Extinguishers per team, must be charged, and useful.
- All grinders must have safety guards in place. No Exceptions!
- No electricity will be provided to any team.
- All welding electrode stubs are required to be picked up. Any electrode stubs or cut off metal pieces not picked up by the start of judging will be counted against a team's score. All electrode stubs or cut off metal pieces shall be secured in a metal trash can or bin.
- All teams' members must attend the safety/contest meeting at 7:45 a.m.
- Students are on their own to communicate, troubleshoot, construct, and problem-solve. No teachers will be near the project during construction times.
- Safety will be constantly judged ALL DAY. Points will be deducted for unsafe acts. Teams will be notified of each unsafe act. If a team commits three noticeable safety violations, they will be disqualified by the judges.
- Safety glasses, FR or 100% cotton clothing (jeans with no holes/frays/cuffs and a long sleeve shirt) hearing protection, closed toe leather boots, gauntlet style leather gloves, and grinding shields (when needed) are required by all team members ALL DAY! All PPE must be provided by each team.
- No structural changes will be allowed to the projects other than what is listed on the prints.
- All projects become property of the competing team once the competition is completed. Please make sure you have a way to transport the project home.

Build-off Project:

Charcoal Grill

Oral Knowledge:

During the fabrication of the project, one random member from each team will be asked 4 general knowledge questions about welding/cutting. This will be included in the scoring of the team.

Oxy-Fuel Cutting:

During the fabrication of the project, one random member from each team will be asked to perform an OFC cut separate from the project. This will **not** be the same team member that completed the oral knowledge questions. This will be included in the scoring of the team.

Contact Dusty Baker for any questions at dusty.baker@roswell.enmu.edu

Judging Rubric

| Category | Points | Judging Detail |
|--|------------|---|
| Safety | 30 | Each safety infraction will deduct 10 points |
| Teamwork | 30 | Students will be judged on equal participation, team communication and ability to work together. |
| Fabrication | 30 | Dimensions will be judged for accuracy (within 1/8" tolerance). Overall appearance and functionality are also scored. |
| Oral Knowledge (5 general welding knowledge questions) | 30 | Each question answered correctly gains 6 points |
| Oxy-Fuel Cutting | 30 | Cut will be judged on angle, appearance, dimension, bottom edges slag free. No cleaning of cuts. |
| Total | 150 | |

**Please see NMFFA Team
Registration Form and Waiver
below!!!**

NMFFA Weld off Team registration

All competing members must be a current member of your FFA program and complete the Liability waiver along with this form for registration for verification from the State Office.

High School- _____

Team 1 FFA Members

FFA Id Number from Official Roster

Alternate Student

Team 2 FFA Members

FFA Id Number from Official Roster

Alternate Student



WAIVER OF LIABILITY, ASSUMPTION OF RISK, INDEMNITY AGREEMENT AND MEDIA RELEASE

Pecos Valley Welding Club Annual Build-Off Eastern New Mexico University-Roswell

52 University Blvd. Roswell, NM 88203



WAIVER

In consideration of the privilege of ENMU-Roswell Pecos Valley Welding Club participation and to the fullest extent permitted by law, I, _____

Full Student Name (please print)

do hereby release, waive, discharge, and covenant not to sue the Eastern New Mexico University-Roswell, Pecos Valley Welding Club and their respective officers, agents and/or employees for liability from any and all claims, including negligence, resulting in personal injury, accidents or illnesses (including death) and property loss arising from, but not limited to, participation in the Welding Experience Activity. "Claim" as used in this agreement means any financial loss, administrative claim, suit, action, damage, or expense, including but not limited to attorney's fees, attributable for bodily injury, sickness, disease or death, or injury to or destruction of tangible property including loss of use resulting therefrom.

ASSUMPTION OF RISKS

Participation in welding as part of the ENMU-Roswell Pecos Valley Welding Club Build-Off carries with it certain inherent risks that cannot be eliminated regardless of the care taken to avoid injuries. Specific risks may vary, and can include but are not limited to, scratches, bruises, and sprains/strains; concussions; heart attack; exposure to smoke, toxic fumes, and gasses; irritation to the eyes, nose, chest and respiratory tract; burns to the body and/or eyes due to sparks and intense heat; eye damage including loss of sight from exposure to intense light; joint, back, knee, and musculoskeletal injuries; as well as other catastrophic injuries including paralysis and death.

I have read the previous paragraphs and I know, understand and appreciate these and other risks that are inherent in participation in Welding Experience Activities. I hereby assert that my participation is voluntary and I knowingly assume all risks.

INDEMNIFICATION AND HOLD HARMLESS

I also agree to indemnify, defend and hold harmless the Eastern New Mexico University-Roswell, Pecos Valley Welding Club and their respective officers, agents and employees from any and all claims, actions, suits, procedures, costs, expenses, damages, and liabilities, including but not limited to attorney's fees, attributable for bodily injury, sickness, disease or death, or injury to or destruction of tangible property including loss of use resulting therefrom. This obligation to indemnify, defend and hold harmless applies to any claim by any individual or entity including, but not limited to, to claims made by participants or Eastern New Mexico University-Roswell, Pecos Valley Welding Club members, employees, representatives, or any subcontractor.

SEVERABILITY

The undersigned further expressly agrees that the foregoing waiver and assumption of risk agreement is intended to be as broad and inclusive as is permitted by the law of the state of New Mexico and that if any portion thereof is held invalid, it is agreed that the balance shall, notwithstanding, continue in full legal force and effect.

ACKNOWLEDGEMENT OF UNDERSTANDING

