



Fifth Annual Brazos Valley Fair & Rodeo Weld-Off Competition – Picnic Table

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.

Team Composition:

The team will consist of four (4) High School students under the supervision of their AST (or designated school official).

When and Where:

Date: Friday, October 11, 2024

Location: Brazos Valley Fair & Rodeo, (Expo Parking Lot) 5827 Leonard Rd, Bryan TX 77807

Schedule of Events:

7:00 a.m. – 7:45 a.m.	On-site team check-in and registration
8:00 a.m.	Safety Meeting for all contestants (individual and team)
Immediately following the safety Meeting all contests begin	
PICNIC TABLE BUILD-OFF	Team advisor meeting with team (15 minutes)
	Build-Off Construction begins (Total build time 5 hours)
8:30 a.m. – 8:45 a.m.	Teachers may coach students within this 15-minute time frame
12:00 p.m.	Working lunch included with registration
1:30 p.m.	Construction ends/Judging begins
2:30 p.m.	Awards

Registration:

- Registration will be through <https://www.brazosvalleyfair.com/events/2022/weld-off-competition> for Picnic Table build.
- Teams may pay online through the BVFR Portal or bring payment to the contest and present at check-in time. Teams needing an invoice sent to the school must let BVFR know this when entering.
- Build-Off Registration fee is \$250.00 per Weld-Off team entered. All other contest fees entered through judgingcard.com are \$20 per entry.
- All BUILD-OFF entries must be made no later than September 21, 2024, at 5:00 p.m.
- All entries are final on October 1, 2024, at 5:00 p.m. and registration fees will not be refunded. If a team enters but cannot compete for any reason, they may come to BVFR and pick up their metal and parts no later than October 15, 2024. After that date, the metal and grill parts become the property of the BVFR.



Build-Off Rules:

- Team will participate with four (4) members and may only visit with the coach during the one time listed on schedule.
- Each team will construct a project in the allotted time.
- Each team will be provided with detailed plans and all required parts. All materials will be placed in the team's designated work area before the start time.
- Each team must furnish all their tools. NO GMAW, FCAW, or PAC machines allowed. You must also bring 2 Fire Extinguishers per team, which must be charged, and useful.
- All grinders must have safety guards in place. No Exceptions!
- No electricity will be provided to any team.
- **(NEW)** Electrodes will be provided but any team may bring their own if they wish to. E-7018, 1/8" is recommended. 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 must attend the safety/contest meeting at 8:00 a.m. A parts list will be discussed at this meeting. All teams must verify the parts given to them at the beginning of the contest. Should a discrepancy occur with the parts, the team must notify contest officials by 9:00 a.m.
- Each advisor will have approximately 15 minutes to discuss or answer any questions their students may have during the allotted time. When the 15 minutes have concluded, students are on their own to communicate, troubleshoot, construct, and problem-solve. No teachers will be near the project during construction times except as noted in the schedule.
- 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/shoes, 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 project. If time allows, accent pieces can be added.
- All construction will cease at 1:30 p.m. Judging will commence at 2:30 p.m.
- Registration for teams is on a first come first serve basis and space may be limited.
- All projects become the property of the team once the competition is completed. Please make sure you have a way to transport the project home.

Awards:

- Champion Team
 - Belt buckle awarded to each team member
 - Champion Banner



- Reserve Champion Team
 - Reserve Champion Banner
- Third Place Overall Team
 - Third Overall Banner

***Additional prizes (if any) will be listed on the website.**

Additional Information:

Contacts or Questions -

Mr. John Templeton, BVFR Welding Committee Chairman (979) 575-0942
 Email: jotempletonjr@yahoo.com

Mr. John McGee, BVFR Welding Committee Vice-Chairman (979) 219-3549
 Email: john.mcgee@bryanisd.org

Mrs. Avery Fisher, BVFR Assistant Manager at (979)821-1450
 Email: Avery@brazosvalleyfair.com

Grading Criteria:

Grading Criteria	Points Possible	Points Earned
Safe workmanship of all team members	30	
Frame is complete	10	
Correct weld placement	10	
Weld quality	15	
Correct placement of all materials	15	
Appropriate use of tools/equipment	10	
Work are clean of electrode stubs/cut off metal at 3:30 pm	10	
Total Points Earned	100	

Recommended Tools:



- Trailer to haul all tools
- Engine driven SMAW welding machine with extra fuel

(Make sure the machine is serviced before arriving and works correctly)

- 50 minimum of welding leads for the electrode and ground leads
- Oxygen-Fuel Cutting torch with extra tips/tip cleaner/striker/flints
- A set of hand tools (pliers, wrenches, ratchet, socket set, Allen wrenches, etc.)
- Four way lug wrench
- Grinders with guards
- Portable band saw
- Cut-off saw
- E-7018, 1/8" dia. electrodes, 25 lbs. minimum (THESE WILL BE PROVIDED BUT TEAMS MAY ALSO BRING THEIR OWN)
- Jack stands, pipe saw horses, etc. for construction purposes
- Box level, 4 ft. minimum
- Torpedo level
- Speed square, framing square, etc.
- Soap stone, paint pens, etc.
- Center punch
- 32 oz. ball peen hammer
- Sledge hammer
- Miscellaneous pieces of angle/tubing/pipe for fabrication (12" – 24" in length)
- Tent to work under pending inclement weather or excessive heat
- Cold water for team members
- 2 fire extinguishers
- First-aid kit
- Welding Shield to protect onlookers from eye damage
- PPE for all team members
- Other tools as desired except for GMAW/FCAW/PAC machines