



**5th Annual
T-Joint Fillet Weld Invitational
April 21, 2023**

Contest Rules

1. Each school may enter individuals or one team per ag and/or welding program.
2. A team will consist of five members with the top three individual scores counting toward the overall team score.
3. Contestants must be a current high school student.
4. All contestants must provide his or her own equipment, including safety glasses, welding gloves, helmet, pliers, and protective clothing/footwear.
5. Contest will be two parts; written test and weld test (SMAW).
6. The written test will consist of general welding and safety topics.
7. The weld test will consist of a t-joint fillet weld in the horizontal position. Students will conduct 3 passes on one side of the t-joint using the following rod sizes: 1st pass (root pass) – 1/8" 6011 5+ and 2nd and 3rd passes – 3/32" 7018.
8. Judges will be assigned by Black Hawk College.
9. Machine operation and general questions may be directed to Black Hawk College staff or volunteers.
10. All welds will be performed as instructed.
11. Contestants will be allowed time to set-up machines and practice prior to beginning the weld test. One practice plate will be provided to each student.
12. Once the test has started, only BHC staff will be allowed to answer questions.
13. All parts of the weld will be judged including starts, stops, restarts, crater fill, weld smoothness, and uniformity. A diagram with weld symbols and instructions will be given to each participant.
14. Contestants are expected to behave in a safe and respectful manner and may be removed from competition if observed conducting themselves in an inappropriate manner.
15. Competitors are responsible for cleaning their welding booth and maintaining their equipment. Black Hawk College is not responsible for any lost or stolen equipment.
16. Electrodes and weld metal will be provided.
17. All contestants will be required to sign a release waiver prior to competing.
18. Remember to have fun and take your time!

Contest Sponsored By:

