

2019 Cleveland Dairy Day Welding Competition

When: Monday, April 22nd

Where: Cleveland High School Agriculture Shop

Check in: 7:30 Room V102 Agriculture Building

Note: Please do not arrive prior to 7:30 to allow for our morning school traffic

Requirements:

Contestants will be required to bring all necessary tools and equipment for this contest. This includes all PPEs, square, tape measures, chalk, etc. Contestants will wear PPEs at all time while in the shop, any infraction of this rule can result in a scoring penalty or disqualification.

Teams:

1. This is an in county contest. 10 teams will be the limit for this contest, with each school being allowed 2 teams each. If we exceed 10 teams we will draw to see who will be allowed to participate with multiple teams. Email entries to bbrooks@clevelandisd.org. Entry fees are \$40 per team. Bring fees to contest. Make checks out to Cleveland FFA.
2. Teams will consist of 3 to 4 members
3. Contests will be required to complete all phases of the competition to be scored.
4. The contestants will all be individually judged and scored for the individual competition.
5. Teams will be judged as a total score with the lowest of the 4 scores to be dropped for finally placing.

The contest will consist of 3 parts as defined:

1. **Welding:** The contestants will complete the following welds: (metal provided)
 - A. 2F horizontal position multi-pass weld
 1. Root pass with 6010 1/8" rod (full length weld)
 2. Cap Pass with 7018 3/32" rod (2/3 length weld)
 3. 7018 3 Cap Pass with 3/32" rod (1/3 length weld)

B. 4F overhead position multi-pass weld

1. Root pass with 6010 1/8" rod (full length weld)
2. Cap Pass with 7018 3/32" rod (2/3 length weld)
3. 7018 3 Cap Pass with 3/32" rod (1/3 length weld)

2. **Cutting:** The student will complete the following oxy-acetylene cut.

A. The contestant will be provided with a design which will then need to be transferred to a piece of 3" x 3" x 3/8" flat stock. The metal will be provided. Cuts will be judged on accuracy and cleanliness of cut.

3. **Test:** Students will take an exam of no more than 50 questions which will cover safety in the shop. Study information for the test can be found in the following ICEV curriculum assessments.

- A. Basic Shop Safety
- B. Welding Shop Safety
- C. Oxy-Fuel Setup and Safety
- D. Electrical Safety

We will be providing meals for the day of the contest.

Ag teachers attending will be asked to help monitor and proctor some of the contest areas.

For information Contact

Bryan Brooks (936)662-1655