**2024 Area VIII Applied Agricultural Engineering CDE**

 Cost: $100/Team, enter on Judging card

Contest Date: Wednesday April 3rd, 2024

Time: Check-in: 7-7:30 am Start Time: 8:00am

Results will be posted on Judgingcard following the contest ASAP, State qualifying teams will need to watch the deadline for State Contest Entry. Once entries close on March 3rd, we will set up heats and contact AST’s with this information along with more detailed contest information ASAP.

 Registration:

* Due 11:59 pm March 3rd
* Contest Will be limited to 16 teams
* Will have a waitlist available
* Please let the contest host know if you have a team that will not make it to the contest asap so we can bump up wait list entries.

Location: Palmer ISD Ag Building (see location details below)

**Entry Information:**

● No late entries will be accepted
● Entries lock at 11:59pm on 3/3/2024. Because of material costs, you are responsible for fees regardless of whether you show up to contest

* Coaches will need to plan on staying at the contest site to help facilitate the contest, we will need station monitors, safety watch, equipment checks, resetting stations between rotations, timekeepers, etc.

Rules: Make sure to have your students read the rules regarding safety attire and equipment. We will have a clothing/equipment check at check-in.

**Contest will include the following skill areas (same as State contest)**

**\*\*\* below are state rules/ area contest will have some differences in types of torches and welding machines available, details specific Area contest information will be emailed to registered team coaches upon closing of entries.)**

*Skills for 2024
1. SMAW
a. Possible electrode(s): E-6010, E-6013, and/or E-7018
b. Possible materials: Plate, C Channel, Angle (3/16”, 1⁄4”, or 3/8” wall thickness)
c. Possible machines: Lincoln Electric Precision TIG 175, 185, 225 or Ideal Arc 250
d. Possibly welding position(s): 1F, 2F, and/or 3F*

*2. Oxygen Acetylene Cutting
a. Harris torch, Model Number 43450-510-DLX HXT
b. Possible material: Plate, C Channel, Angle, or Pipe – Steel
c. Possible operations: Cutting, Piercing, Hand Beveling

3. Blue-Print Interpretation and Layout
a. Students bring their own measuring, marking, and layout tools
b. Problem will be real-world, and industry-based
c. Potential problem could be economic, manufacturing-based, or mathematics-
based*

\*\*\* Read the state AAE CDE rules please\*\*\*

**Genuine Judging Card Scan sheet**[**#105481**](https://www.judgingcard.com/scansheets/samples/481.pdf)**is required for this contest!
The scan sheet will be used for the exam portion.**

\*\*\*Rules can be found at <https://www.texasffa.org/pages.aspx?ID=1425> or Texasffa.org>Participate>CDE>Applied Agricultural Engineering

**Supplies provided by Area contest provider:**

● Welding machines: TBD
● Torches: Oxy/Acetylene with Victor Torch for cutting portion of the contest
● Welding rods (see above or State Rules)
● Cutting and welding possible material will follow the State list.
● Test- (we will not be able to release the test key until after all Area contests)

**Things to bring**

● #2 Pencils, clip board (See State rules)
● Non-Programmable Calculator (specifics are found in state rules)

● **This contest will use the Ag. Sales / Ag. Mech / FBM (105481) scantron for the written exam portion.**

● Grinder with grinding disc /flap wheel for welding component

● Welding/Cutting Tools (listed in rules)

● Layout Tools (listed in rules)

● Safety Equipment/Clothing listed in rules

\*\*\*Please remember according to rules students cannot share tools among team members Safety Equipment/Clothing listed in rules

**Location:**

Palmer ISD Ag Building (Behind Palmer Middle School)

Due to Drop off traffic you will need to use the southernmost entrance to the Middle School.

Park by Softball Field fence until drop off traffic clears

Address: 112 FM 813 Palmer, TX 75152

Contact info:

Marc Nolan (903)245-0571 or mnolan@palmer-isd.org

There are a few food options available in Palmer including Subway, Sonic, Palmer Market ( Burgers, Chicken Strips, sandwiches, etc.) Ennis and Waxahachie are close as well and have plenty of food options available as well.