AG MECHANICS 2020

1. REGISTRATION
   a. Will occur on the State CDE website.

2. FORMAT
   a. This will be an online event administered using the quia.com testing format. Four contestants will compete and the top 3 scores will count towards the team score. Students will need access to reliable internet and a laptop/chromebook/IPAD, as well as pencils, scratch paper, and a non programmable calculator. No phones or smartwatches are permitted in the contest area.
   b. An information exam and a practicum will be administered in three content areas: Welding, Electricity, and Carpentry. (6 exams total).

3. Content Area Information
   a. WELDING
      i. General information questions 25 questions (50 points total)
      ii. Weld practicum (50 points)
         1. Welding prints
         2. Welding symbols
         3. Weld defects
         4. Weld project calculations
   b. ELECTRICITY
      i. General information questions 25 questions (50 points total)
      ii. Electrical Practicum (50 points)
         1. Schematics and symbols
         2. Wire installation evaluation
         3. Calculations
            a. Ohms law
   c. CARPENTRY
      i. General information questions 25 questions (50 points total)
      ii. Carpentry practicum (50 points)
         1. Building components (i.e. studs, plates, joists, etc…)
         2. Layout of rafter
         3. Stair layout
         4. Wall layout