

# CATA Curricular Code Change Proposal

**Make a copy** of this document. In order to input information.



<b>Contest:</b>	Ag Mechanics
<b>Proposed by:</b> (Name, School, Email)	Sam Meredith, Atwater HS, smeredith@muhsd.org

<b>Issue:</b> (Describe the reason/rationale for the proposed change.)
<p>Addition of a 20 AMP GFCI Duplex Receptacle in the electrical section of the <b>California Ag Mechanics CDE Electrical Board</b></p> <p><b>Materials (per board):</b></p> <p>1 - 20 Amp GFCI Duplex Receptacle</p>

**Please answer yes or no to ALL the questions below.**

This proposal will require a contest to open out of rotation	Yes
The change will affect General Rules	No
The change will affect the awards needed.	No
The proposed change will affect tabulations/scorecards	No
The proposed change will affect contest forms.	No
The proposed change will affect contest hosting site. (e.g. additional facilities, new sections, additional scoring, etc.)	No

**If you answered yes to any of the above questions, you need to include the following signatures:** [Click here](#) for link to CDE Contest Advisor and Coordinator list.

CATA Approved Contest Advisor's Signature	
CDE Host Site Contest Coordinator's Signature	

**If you answered yes to any of the above questions, please explain.**

\*It is highly recommended that you, or a representative, attend the pre-conference governing board meeting to answer any questions regarding proposed curricular code changes to contests that are requested to be opened out of rotation.

<p>Asked by 2 contest hosts to add a GFCI to make the contest more realistic instead of using a regular duplex receptacle and wiring it like a GFCI.</p>
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**Description:** (Describe what is changing.)

Addition of a 20 AMP GFCI Duplex Receptacle to Electrical Materials

**Proposed CATA Code Change:** (Only include the section that the proposed change pertains to – do not include the entire contest. Reference numbered section. If editing text, show new text with old text in parenthesis. For large changes, set track changes in the Word document and attach the file, with edits, to this document when submitting.)

**Page 6 and 7**

**California Ag Mechanics CDE Electrical Board**

Contest Procedure:

Contestants will provide the regulation board.

Host will provide:

- Wire nuts, grounding crimp sleeves/green wire nuts
- Wire. E.g.; 14 ga. THHN or NM cable

Host will specify the following as part of the contest area instructions:

- Device location
- Wiring circuit description in text (example: Switch will control the lamp, duplex receptacle is always hot), standard electrical plan, or other method.
- Project can use one or more of the boxes.

Materials (per board):

½ CC Plywood board (8 per sheet)

4 – 4” sq. Electrical boxes with ½” KO

2- ½” EMT Box connectors

30” of ½” EMT (3 – 8” long pieces; 2 – 3” long pieces)

5 – Grounding screws installed in the box

5 – ½” NM cable clamps

2 – Duplex Receptacle

1 – 20 amp, 240 Volt Receptacle

2- Lamp holder with pig tails (must be connectable with wire nuts like common light fixtures)

2 – SPST switch

2 – 3 way switches SPDP

1 – 4 way switch DPDT

*1 - 20 amp GFCI Ground-Fault Circuit Interrupter*

1 – 70 amp subpanel with two 20 amp and two 15 amp circuit breakers capable of wiring the following circuits:

1. 15 amp, 120 volt
2. 20 amp, 120 volt
3. 20 amp, 240 volt

(Subpanel must have a separate grounding bus bar and an insulated neutral bus bar)

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<b>Contest:</b>	Ag Mech Contest
<b>Proposed by:</b> (Name, School, Email)	Josh McKenzie, Mira Monte High School joshua_mckenzie@kernhigh.org

**Issue:** (Describe the reason/rationale for the proposed change.)

The only pre wiring that should be allowed for electrical are ground wires in individual boxes. As it states in the code. We have a contradiction in the materials per board that states lamp holders can be pre wired. I move to remove the verbiage on pre wired lamp holders.

“Materials (per board):

½ CC Plywood board (8 per sheet)

4 – 4” sq. Electrical boxes with ½” KO

2- ½” EMT Box connectors

30” of ½” EMT (3 – 8” long pieces; 2 – 3” long pieces)

5 – Grounding screws installed in the box

5 – ½” NM cable clamps

2 – Duplex Receptacle

1 – 20 amp, 240 Volt Receptacle

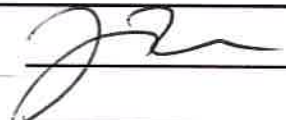

2- Lamp holder with pig tails (must be connectable with wire nuts like common light fixtures)

2 – SPST switch”

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We will need to re open code.

**Description:** (Describe what is changing.)

This will eliminate any confusion on what can be set up for electrical prior to competitions.

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I move to remove the verbiage on pre wired lamp holders.

Materials (per board):

½ CC Plywood board (8 per sheet)

4 – 4" sq. Electrical boxes with ½" KO

2- ½" EMT Box connectors

30" of ½" EMT (3 – 8" long pieces; 2 – 3" long pieces)

5 – Grounding screws installed in the box

5 – ½" NM cable clamps

2 – Duplex Receptacle

1 – 20 amp, 240 Volt Receptacle

2- Lamp holder

2 – SPST switch

#### **Instructions for Submitting Curricular Code Change**

- Make sure the form is complete.
- Download and Submit this document as a PDF
  - Click File → Download → Download as a PDF
- If your proposal requires signatures make sure to contact the contest advisor and contest host. **Tip:** Docusign, Doc Hub are great sources for digital signature requests.
  - [Click Here](#) for contest Host and Advisor List
- Email completed Curricular Change Proposal **PDF** to [cata@calagteachers.org](mailto:cata@calagteachers.org) by June 1st.

# CATA Curricular Code Change Proposal

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<b>Contest:</b>	AGRICULTURAL MECHANICS
<b>Proposed by:</b> (Name, School, Email)	Corey Mesa , Le Grand High School, Cmesa@lghs.k12.ca.us

<b>Issue:</b> (Describe the reason/rationale for the proposed change.)
The language throughout the Code contradicts what is written in general rules and what is allowed at state finals for team size.

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Opening due to the fact that the majority of Mechanics coaches thought it was already written this way and the code does not reflect the general understanding.
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**Description:** (Describe what is changing.)

General rules state that

“Team Participation

B. State Final contests that qualify teams to compete at a National Contest, will consist of the number of contestants specified in the National Contest rules. The National Contests currently are: Agricultural Mechanics 4

E. The minimum team size will be the number of team members that make up a team score. For example, if a contest specifies a team size of four with four members making up the team score then the minimum team size will be four. If a contest specifies a team size of four with three members making up the team score then the minimum team size will be three members.

Ag mech code states this

Teams consist of four members, with all four individual scores counting as the team score. All team members are eligible for individual awards. A partial team of no less than three contestants may compete and be ranked at any contest leading up to the State Finals contest by including a score of “0” for the fourth score (all four scores make up the team score).

**Proposed CATA Code Change:** (Only include the section that the proposed change pertains to – do not include the entire contest. Reference numbered section. If editing text, show new text with old text in parenthesis. For large changes, set track changes in the Word document and attach the file, with edits, to this document when submitting.)

Page 2 Contestants Section after Tie Breaker

Teams consist of four members, with all four individual scores counting as the team score. All team members are eligible for individual awards. ~~A partial team of no less than three contestants may compete and be ranked at any contest leading up to the State Finals contest by including a score of “0” for the fourth score (all four scores make up the team score).~~

Remove highlighted portion so we match what is stated in the General rules and what is accepted at the State Finals and the National level. Practice the way we play at the Finals.



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<b>Proposed by:</b> (Name, School, Email)	Corey Mesa , Le Grand High School, Cmesa@lghs.k12.ca.us

<b>Issue:</b> (Describe the reason/rationale for the proposed change.)
Standings Formula incentivizes going to larger contests if you are on the top half of teams however, it also gives you roughly the same amount of points for ranking last at small contests (less than 10 teams) as you would get for beating half of the teams at the larger contests.

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Opening due to the fact that standings take a while to get updated and often get posted or sent in sometimes 3 weeks later or more. The past few years this year included we have had issues with the reporting of scores and some host sites not fully understanding the formula or how to report the scores.
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**Description:** (Describe what is changing.)

Getting rid of the formula that has a 51 or 60 (some documentation states one number code says something else) as a coefficient to allow for an easier-to-follow formula that can be determined before awards are even sent out to the standings coordinator.

Also there are issues with there being multiple field days on the same day. This year 3 contests were held on the same day and the biggest contest only had 9 teams compete.

If you placed last place at all 3 of those contests it allowed you to get points as follows

UC Davis - 8th place = 43 points

Gridley - 9th place = 42 points

Le Grand - 9th place = 42 points

For a total of 127 points which would rank you 22nd overall and therefore eligible for state finals.

Current formula- depending on the coefficient used

$(51 - \text{rank}) + (\text{Teams} - \text{Rank})/2$  or  $(60 - \text{rank}) + (\text{Teams} - \text{Rank})/2$

The new formula would allow for a more equitable point system in which the maximum points allowed are determined by how many teams compete in the specific contest.

$(\text{Teams} - \text{Rank}) + 1$

Ex.  $(10 \text{ Teams} - 5\text{th place}) + 1 = 6$  points

Ex.  $(30 \text{ Teams} - 15\text{th place}) + 1 = 16$  points

Ex.  $(10 \text{ teams} - 10\text{th place}) + 1 = 1$  Point

The plus 1 allows for points to be given as even for last place.

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#### Page 2 Contestants Section - Formula Description

Only the top 24 teams, determined mathematically, will be eligible to compete at the state finals contest. The formula to calculate the 24 qualifying teams will be:

~~Weighted Score = (51 – Ranking) + (# of teams – Rank)/2.~~

(Weighted Score = (Teams -Rank) + 1) --- Remove highlighted portion and replace with this

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- Email completed Curricular Change Proposal **PDF** to [cata@calagteachers.org](mailto:cata@calagteachers.org) by June 1st.