

CATA Curricular Code Change Proposal

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

Contest:	
Proposed by: (Name, School, Email)	

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

Please answer yes or no to ALL the questions below.

This proposal will require a contest to open out of rotation	
The change will affect General Rules	
The change will affect the awards needed.	
Which JudgingCard scorecard will be used for tabulations.	
The proposed change will affect contest forms.	
The proposed change will affect contest hosting site. (e.g. additional facilities, new sections, additional scoring, etc.)	

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 agreeing that changes are able to be accommodated by the host site.	

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.

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Description: (Describe what is changing.)

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.)

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 by June 1st.

Warning: Make sure you add all the topics or concerns you would like to discuss at the Curricular Code CDE meeting. If it's not posted on the CATA Curricular Code Changes website by June 1st, it **cannot** be discussed.

AGRICULTURAL MECHANICS FAIR

Revised 6/2024

Purpose and Standards

The FFA Agricultural Mechanics Fair recognizes the FFA members who are studying the application of mechanical principles and technology in their agriculture-based projects.

Goals

- Provide students an opportunity to achieve local and state recognition for their large agricultural mechanics efforts and projects.
- Reinforce skills and principles learned in agriculture courses.
- Provide an opportunity for students to demonstrate and display their agricultural mechanics projects.
- Provide recruiting and promotional opportunities for agricultural education programs.

Foundation Standards: 1.0 Academic (1.1 Math, 1.2 Science), 2.0 Communications (2.1-2.4), 4.0 Technology, 5.0 Problem Solving and Critical Thinking, 6.0 Health and Safety, 7.0 Responsibility and Flexibility, 8.0 Ethics and Legal Responsibilities, 9.0 Leadership and Teamwork (Team Projects), 10.0 Technical Skills, 11.0 Demonstration and Application.

Pathway Standards: All pathway standards (A-G) are addressed according to specific agricultural mechanics projects.

Classes

Class	Individual Points	Team Points
Exhibit	100	300
Interview	100	300
Show Book	50	150
TOTAL	250	750

See notes under rules.

Tie Breaker

Tie Breakers will be broken on the Interview Score. If a tie still exists, a panel of the judges will determine the winner. All competitors will compete in one contest, there is no "A and B Contest" with one entry per person or pair.

General Rules:

~~A. Tie Breakers will be broken on the Interview Score. If a tie still exists, a panel of the judges will determine the winner. All competitors will compete in one contest, there is no "A and B Contest" with one entry per person or pair.~~ Redundant of Tie Breaker section above

- B. An "Entry" will include the project, a show book (described below) and one or two members who completed the project and compiled the Show Book. Projects that were built as a group project will have no more than two members representing the effort. Individually constructed

projects may be represented by one or two chapter members if the second member contributes to the Show Book. A project represented by more than two members will not be eligible for awards. (vs being disqualified and not allowed to present) The competing students shall be the principal builder(s) of the entry as well as the author(s) of the Show Book. Students will be in dress uniform. (General Rules covers uniform requirements)

- C. ~~The "Team" "Chapter" score will be the combined scores of three separate "Entries" from one chapter. Entries will compete individually, and their scores combined for a high team "Chapter" ranking.~~ (moved to later in rules – see "J")
- D. The "Team" score will be the combined scores of three separate "Entries" from one chapter. Entries will compete individually, and their scores combined for a high team ranking.
- E. Entries in the Ag Mechanics Fair will be considered "large projects" by the advisor and will have a stated value of \$500 or more in their Show Book to be considered. Items shall be of the type and kind constructed in a California Ag Mechanics shop; home-built projects are allowed. Entries shall have been completed in the previous 12 months.
- F. Seniors will be eligible to compete until June 30th following their graduation.
- G. Entries MAY be broken into the following **Groups Divisions** for judging:
- | | | |
|-----------------------|----|---------------------------|
| Group Division | 1: | Farm Implements |
| Group Division | 2: | Implements of Husbandry |
| Group Division | 3: | Trailers and Flatbeds |
| Group Division | 4: | Home and Farmstead Items |
| Group Division | 5: | BBQ's and Food Processing |
| Group Division | 6: | Repaired Equipment |
- (make terminology consistent with other contests)
- H. The Judging Timeline will be as follows:
- Up to 10 minutes for the judge(s) to examine the project. The members will be in the immediate area during this time to answer questions about the project.
 - Up to 10 minutes will be used for the interview. Contestants will point out features of their project and their show book during this time. This will be in the area of the Entry; a table may be used to hold the Show Book.
 - Up to 5 minutes for the judge(s) to examine the show book, mark scores and if necessary, re-examine the project and ask any follow-up questions.
- I. The Show Book shall consist of a 1" Ring Binder with common slip sheets used to organize not more than 20 pages of white paper. Typed 8.5"x 11" pages will not be smaller than 12 font and will maintain a 1" margin. An electronic copy of the showbook will be **emailed sent** to the state finals host on the Monday prior to the state finals contest. The showbook will be judged prior to

the project. It shall be on display prior to and after judging. Inside the binder, there will be:

(allows for other methods i.e. upload to a drive - based on host preference)

- a. Cover and Title Page will be on the front of the Show Book, including name(s) of contestants, Chapter, Title of the Project and the Group that it will be judged in.
 - b. Introduction Page that includes the need for the project, its primary features, who the builder(s) was, who financed the project and how long the project took to complete. Limited to one page.
 - c. A Budget and/or Actual Costs page that includes a Bill of Materials; limited to one page.
 - d. Measured Drawings or Sketches that may be CAD or hand drawn. Limited to 3 pages with any fold out page(s) counting as one page each.
 - e. Steps of Construction pages that include pictures and a narrative recounting the construction of the project, the tools used, safety considerations, acknowledgements to assisting parties, issues that were resolved and any pertinent facts regarding construction. Limited to five pages.
 - f. Addendum Picture and Description pages may be added for clarification. These are to be labeled "Addendum #1" etc. and will have a typed description of not more than 25 words on each page. Limited to five pages.
 - g. Professional Resume Certification pages may include a professional resume or any certification a student may have earned during their time as a student. Limited to five pages.
- J. The Interview will commence with introductions and students should be ready to initiate the discussion with name, chapter, entry name and year in school. The student may refer to the Show Book for clarifying their answers. The Judge will then begin their line of inquiry that may include:
- a. Questions about tool operation and shop safety protocol followed
 - b. Design and Build questions
 - c. Paint and Finish Questions
 - d. Questions determining familiarity with Entry operation
 - e. Questions about costs, donations, materials, capacities etc.
 - f. Hours of labor invested and people or entities who assisted
- K. Each judge, without collaboration with others, will use the official "Individual Scoresheet" to score each team. Each judge will total the scores for the exhibit, interview, and show book for each team. Each judge will rank each team based on the total score. The judges' ranking on each team shall then be added by the contest superintendent in view of the judges and the winning team shall be the team whose total ranking is the lowest. (clarify selection/placing of winners – ranking vs total scores of all judges)
- L. The Overall Individual will be determined by the highest scoring entries from all Divisions. (rules should state how high individual overall is selected)

- M. The ~~“Team”~~ **“Chapter”** score will be the combined scores of three separate “Entries” from one chapter. Entries will compete individually, and their scores combined for a high ~~team~~ **“Chapter”** ranking. **(moved from earlier in rules, chapter vs team to avoid any confusion)**

Score Sheet

The Exhibit (100 points)	Possible
General Workmanship and Quality Fit and Finish Appropriate sanding, grinding, painting	40
Practicality of Design and Construction This is a safe project. This is useful.	20
Square, True, Flush, Plumb and/ or Correct Attention to detail; Eye appeal	20
Quality of Cuts, Welds, Joints, Fasteners, Fit Up, Wiring etc. Measurements match the plans; weld skill	20

The Interview (100 points)	
Introductions and Overview	10
Knowledge of the Project and Construction	40
Awareness of Safety and Tool Use	10
Technical awareness and attention to detail	20
Speaking Voice, Eye Contact and Demeanor	20
The Show Book (50 points)	-
Clear writing that is easy to read Free of typos and grammar errors The narrative is complete and logical	20
Attention to Detail All key elements are present The book clearly explains how the project was constructed	20
Follows the outline from above Page and Word count	10
Total Score	250