



# Georgia FFA Association Agricultural Technology & Equipment CDE

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## **I. OVERVIEW**

The Agricultural Technology and Equipment Career Development Event is a team event with four parts: Rotational Skill Practicum (Electricity, Woodworking or use of an Automatic Level), Measuring Practicum, Tool/Equipment/Part Identification and Multiple-Choice Written Exam. Each team member will complete each of the four parts of the CDE.

## **II. PURPOSE**

The purpose of the Agricultural Technology and Equipment Career Development Event is to provide an opportunity for students in grades 6-9 to practice those skills and abilities developed as a regular part of the agricultural education curriculum. The CDE is designed as an introductory event that will provide experience in agricultural mechanics and assess the knowledge gained from classroom instruction.

## **III. ELIGIBILITY**

This event is open to students in grades 6-9 who are agricultural education students and are paid members of a chartered FFA chapter. Each member of the team must be a member of the chapter registering them, and each student's name must appear on the chapter's FFA roster at least 10 days prior to competition above the chapter level.

## **IV. SPECIAL NEEDS REQUEST**

To report any special needs or request special services for a student to compete in a Career Development Event or FFA Award area (Area or State level), it is the responsibility of the FFA advisor to provide a detailed and specific request and explanation in writing. Requests should include written documentation from the school system verifying the IEP and need being requested. Written requests must be submitted to the CDE Superintendent prior to registering for the CDE/event (at least 3 weeks prior to the date of competition.)

## **V. RULES**

Chapters are limited to one (1) CDE team for Area competition. Each event participant must adhere to the safe practices and work habits appropriate when performing required activities. Participants are responsible and must provide all personal safety equipment and other tools and equipment as assigned by state committee.

## **VI. EVENT FORMAT**

Teams will consist of four members. Each team member will complete a skill practicum activity from one of three rotational areas. There will be a tool/equipment identification test containing twenty-five items. Tools and equipment will be taken from the reference materials listed below. There will be a measurement activity containing no more than ten stations. There will also be a written test (25 questions) based on information from the designated skill area and basic safety information taken from the references designated by the state committee.

## **VII. SCORING**

Team Ranking is determined by combining the scores of all four students from each team.

***Skill Areas: (One of the following areas will be identified annually) 50 points (20 minutes)***  
***Electricity, Woodworking or Reading an Automatic Level***



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**Tool Identification:** (*List is located on the Ag.Ed. website with the tool and equipment I.D. sheet*)  
25 Items                      50 points                      30 minutes

**Measuring:** (*Items of wood, metal, etc... to be measured using tapes, dial calipers, etc...*)  
10 Items                      50 points                      30 minutes

**Written Test:**  
25 Items                      50 points                      30 minutes

**50 Skill Practicum/Problem solving points + 50 Tool Id points + 50 Measurement points + 50 Test points = 200 possible individual points**

**4 individuals x 200 possible individual points = 800 possible team points**

## VIII. TIE BREAKERS

1<sup>st</sup> Tie Breaker – Team with the highest combined score on the tool identification.

2<sup>nd</sup> Tie Breaker – Team with the highest combined score on the skill practicum.

3<sup>rd</sup> Tie Breaker – Team with the highest combined score on the written exam.

## IX. AWARDS

Awards shall be determined each year by the Board of Trustees of the Georgia FFA Foundation. This event is made possible through the Georgia FFA Foundation as a special project of an industry sponsor or from the Foundation general fund.

## X. REFERENCES

This list of references is not intended to be inclusive. Other sources may be utilized and teachers are encouraged to make use of the very best instructional materials available. The goal of the FFA Agricultural Technology and Equipment Career Development Event is to guide and promote quality instructional programs in agricultural mechanics. The following list contains references that may prove helpful during event preparation.

### FFA Agricultural Technology & Equipment CDE Reference List:

- *Modern Carpentry* by Wagner & Smith (Goodheart-Wilcox) – Current Edition
- *Agricultural Mechanics Fundamentals and Applications* by Ray Herren, (Delmar Publishers) - Current Edition
- *Agricultural Technical Systems and Mechanics* by Leonard Koel, Glen A. Mazur, B. J. Moniz, R. Bruce Radcliff (American Technical Publishers) - Current Edition
- AAVIM Electrical Wiring – Current Edition
- Georgia Ag Ed Website [www.gaaged.org](http://www.gaaged.org)