

Georgia FFA Association
Agriculture Technology and Equipment ID CDE
Information Sheet 2026 – 2027
Revised 6/30/2026

Tool Identification

- Students will identify 25 Tools
- 25 tools, tool descriptions, or described tool uses will be provided for identification
- Students will select from a list of numerically identified tools and record it on an answer sheet

Written Exam

- Students will answer 25 multiple-choice questions
- Multiple-choice questions may be selected from any of the resources identified in the CDE Guidelines
- Written exam questions will match the skill selected reference for the FY 27 CDE (focus on Electrical Wiring)

Main References

- Agricultural Mechanics and Technology Systems, Hancock, Edgar, Pate, Dyer, and Hoover. 2nd Edition, ISBN # - 978-1-68584-503-2
 - Chapters: 20, 21, & 22

Skill

- The skill will involve electrical wiring skills on a 120-volt circuit consisting of one or two boxes.
- Students will only make connections
- The conductor (solid 14 AWG) will already be installed in conduit and boxes will be assembled.
- All tools will be provided
- Devices may include any combination of the following:
 - Single pole switch
 - Receptacle (duplex convenience outlet)
 - Light (keyless lamp holder)
- Boxes will have 1/2" conduit between the boxes, and may or may not be mounted on a 2x4 board
- Safety Glasses will be required

Measurements – ALL MEASUREMENT TOOLS WILL BE PROVIDED

- Students may be required to: (focus on electricity)
 - Measure and record the length, width, thickness, and angle of material (board, wire, conduit, boxes)
 - Determine the cubic dimension of boxes
 - Determine conductor count inside boxes
 - Determine size of a conductor
 - Measure inside and/or outside diameter of supplied material
- Measurements will need to be recorded in the most reduced (simplest) form.
- Measurement tools may include:
 - Measuring Tapes, Squares, Rulers, and any other common measuring devices.

Items to Bring:

- Pencils/Pen, Clipboards, Calculators, Safety Glasses (minimum Z87.1) (enough for each student).