

### 3. AGRICULTURAL ELECTRIFICATION

Contest Coordinator: Terry Hughes  
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- A. PURPOSE – This contest consists of 3 parts: a test on principles and problems, identifying and testing electrical devices, and wiring a circuit from a wiring diagram.
- B. OBJECTIVES
- 1) Contest will consist of the NYS Agricultural Electrification Contest.
  - 2) Electric Component Areas
    - Electric Wiring
    - Electric Motors
    - Electric Control and Sensing Devices
  - 3) The contest will consist of three parts:
    - Part I: The student will complete a quiz on Agricultural Electrification principles and problems (100 points)
    - Part II: The student will identify and test electrical devices. (100 points)
    - Part III: The student will wire a circuit from a wiring diagram. The student will select wire, connectors and devices necessary to complete the exercise. (100 points)
- C. ELIGIBILITY
- 1) Career Development Event will consist of 2 levels of competition
    - Junior Level, grades 6-8
    - Senior Level, grades 7-12
- D. EVENT RULES
- 1) Open to schools recognized by FFA
  - 2) A team shall consist of two (2) FFA members from one program.
  - 3) Teams will provide their own safety glasses, tools and meters.
- E. ATTIRE – All contestants will wear shop coats, FFA t-shirt or FFA jacket.
- F. LOCATION – FFA Building, Saturday, August 26, 9:00 a.m.
- G. AWARDS – 1:00 p.m.