



## ELECTRICITY COMPETITION

### 2021 State Fair

Updated 8/16/2021

**DATE:** Tuesday, September 28, 2021

**TIME:** 10:30 AM Registration  
11:00 AM Contest

Please note that the contest ends at 2:30 PM regardless of your starting time

3:00 PM Awards in contest area

**PLACE:** State Fairgrounds at The Meadows in Doswell, Va., Caroline County

**CONTEST CHAIRMAN:**

**SKILLSUSA COORDINATOR:**

#### SCOPE OF THE COMPETITION:

Each participant shall have electrical tools as outlined in the SkillsUSA Virginia *Technical Standards*. Contestants also must bring a National Electric Code Book (NEC), 2017 edition or newer and a ½" EMT bender. Each participant will need a wall section approximately 46 ¼" x 46" with 4-2X4 studs that have 13 ½" spacing between studs. NO PRE-DRILLED HOLES. Refer to the included drawing for wall section specifications. The contestants will furnish all materials.

#### JUDGING CRITERIA:

The contest will be divided into four areas:

Skill Wiring/Skill Pipe Bending/Trouble shooting a circuit/Written open NEC code book test

#### TOOLS and MATERIALS REQUIRED BY CONTESTANTS:

25' or more 14/2 Romex wire

25' or more 14/3 Romex wire

1 - 10' or two 5' PCS ½" EMT conduit

2 - plastic (nonmetallic) round nail on light boxes

4 - plastic (nonmetallic) single gang nail on boxes 18.5 cu. in

2 - keyless light fixtures

2 - 3-way switches

2 - single pole switches

2 - duplex receptacles

1 - plastic (nonmetallic) 2 gang nail on box

Switches and receptacles must be grounding type

Staples, wire nuts, etc. to make connections

Safety equipment

(Safety glasses and appropriate dress including leather work shoes, coveralls or work uniform style clothing)

**SAFETY STATEMENT:**

**All entries must present at registration, the attached Safety Statement signed by students and advisors. Safety glasses required. See Page #3.**

**TOOL DROP OFF:** Contest will be located near Gate 2

**NUMBER OF CONTESTANTS:** Four students each from the first 20 SkillsUSA Virginia chapters to registration online will be allowed to participate.

**ENTRY FEE:** \$20.00 per student entering the competition. The registration must be accompanied by a check. Please register on-line at [www.skillsusava.org](http://www.skillsusava.org), go to Event, State Fair and then to Competitions.

**DEADLINE:** Schools must register the number of teams by September 20, 2021. Contestant names must be submitted to the State SkillsUSA Specialist by September 20, 2021. Substitutions may be made the day of the competition.

- *Participants must have a Student Competition Ticket to enter the Fairgrounds unless they are already at the Fair for another competition.*
- *Teachers are responsible for ordering tickets online directly from the State Fair Ticket Office using a State Fair Student Competition Ticket Order Form, which can be found on-line at [www.skillsusava.org](http://www.skillsusava.org) under 'State Fair'*
- *State Fair tickets must be ordered online so everyone may enter near contest site (Gate 2) You will be allowed to park in this area with advance tickets. No picking up tickets on site.*

*Continued on the next page*



## Safety Form for Tools and Materials State Fair SkillsUSA Virginia: Electricity Competition

The SkillsUSA Virginia Electricity Competition will involve the use of power tools, equipment and materials in completing the task within the contest. It is absolutely necessary that complete operating instructions and safety for the use of power tools, equipment and materials have been given to the contestant in their training program in the local school division as stated in the National SkillsUSA National Standards before he competes. This includes the proper safety instruction in the use of the tools listed in the scope of the competition and the use of protective equipment while using the tools and materials. Safety glasses are required.

By the affixing of my signature below, I certify that my student, who is entering the Electricity Competition at the State Fair, has had proper operating and safety instruction in the use of the power tools, equipment and materials.

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(Signature of Instructor/Advisor)

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(SkillsUSA Virginia Chapter)

By the affixing of my signature below, I certify that I have used the power tools, equipment and materials to be used in the State Fair Electricity Competition and that I understand the correct operating procedures and safety precautions for the use of this power tool, equipment and materials.

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(Signature of Student)

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(Date)

**THIS FORM MUST BE SIGNED AND TURNED IN TO THE COMPETITION CHAIRMAN ON THE DAY OF THE COMPETITION. FAILURE TO TURN IN THIS FORM WILL RESULT IN THE STUDENT NOT BEING ALLOWED TO COMPETE.**