

**South Carolina Skills USA**  
**State Residential Electrical Competition**

**Name of Event: Electrical Construction Wiring**

**Date of Event: March 15, 2019**

**Location: TD Convention Center Greenville, S.C.**

**Contest Chair Contact Information**

Name: Dan Enfinger

Company: Southwire

Phone number: 803-394-4589

Email address: dan.enfinger@southwire.com

**Note: Each school may have 4 contestants to compete.**

All competition materials, i.e. wire devices, tools, etc., must be supplied by the competitor and his/her school.

**Friday, March 15, 2019 State wiring Championships**

7:00A.M- 9:00A.M.     Registration

8:30A.M.                Opening Ceremony

9:00A.M.- 10:00P.M.     Written Test (Testing will also be available on Thursday March 14 after 1pm)

10:00A.M.-11:45P.M.     Hands on Project

11:45A.M.-12:05P.M.     Lunch (It is the responsibility of the instructor to bring lunch to their student(s))

12:05A.M.-2:00P.M.     Hands on Project

2:00P.M.                Championship concludes

3:00P.M.                Judging and tallying of scores

## **Saturday March 16, 2019, Awards Ceremony**

\*\*\*CHANGES TO THIS SCHEDULE ARE POSSIBLE. IF ANY CHANGES ARE MADE YOU WILL BE NOTIFIED BY MARCH 1<sup>ST</sup>, 2019

### **State Electrical Competition Materials List**

<b><u>Amount</u></b>	<b><u>Description</u></b>
1. 1	GFCI Duplex Grounded Receptacles
2. 2	3 Way Grounded Switches
3. 4	Single Pole Switches
4. 3	Plastic Keyless Light Receptacles
5. 3	Duplex Grounded Receptacles
6. 2	4 way grounded switches
7. 1 Box	Wire Staples
8. 1 Box	Ground Pigtail Wire Nuts/Crimp Bonding Grounds
9. 40	Red Wire Nuts
10. 20	Yellow Wire Nuts
11. 3	40 watt light bulbs
12.	240 volt receptacle, example a dryer receptacle (flush mount)
13.	3 to 4 foot pigtail (SO) cord with 120v 3 prong male plug on one end, this will be used to test the project.

**NOTE: Conduit will be provided for the competition**

### **Boxes for State Competition**

1. 3	Two Gang Nail on Boxes (Plastic)
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- 2. 8                      One Gang Nail on Boxes (Plastic)
- 3. 3                      Round Nail on Ceiling Boxes (Plastic)
- 4. 5                      ½" KO 4x4 square metal boxes

## **Conduit**

- 1. 10                    ½" one hole straps with ¾" #10 sheet metal screws
- 2. 10                    ½" EMT connectors
- 3. 8                      ½" Romex connectors

## **Wire**

- 15 feet- 10/3 with ground
- 80 feet 14/2 with ground
- 25 feet 14/3 with ground

**\* Resume's are not required but are encouraged for professionalism and experience**

## **Equipment**

- 1. Standard Electricians Tool Box or Tool Pouch & Tools (i.e. Lineman Pliers, Wire Strippers, Hammer, Drill, Screwdrivers, Tape Measure, etc.)
- 2. Digital Multimeter (Optional)
- 3. ½" EMT Bender
- 4. Hack Saw

## **Dress**

1. ALL contestants will wear khaki pants and khaki shirt with skills logo on shirt sleeve.
2. Shirt will be tucked in!
3. NO sagging of the pants!
4. No tennis shoes!
5. Work Boots or Safety Shoes!
6. Hard Hats!
7. Safety Glasses!
8. NO School Logos or ANY Identifying school names allowed to be worn by competitors!
9. Sponsor Logos may be worn on shirts and Hard hats.

**NOTE: POINTS WILL BE DEDUCTED IF CONTESTANT DOES NOT HAVE KHAKI SHIRT AND PANTS.**