

Residential Wiring

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of residential wiring.

Clothing: Acceptable work clothes; no school names or organizational logos may be displayed on any apparel.

Contestants: 3 per region, determined by regional event

Special Note:

This contest will run two days. Contestants are required to remain at the end of the contest to assist in tearing down project following judging. SkillsUSA Ohio would like to donate the wood panels used in this contest to a school(s). If you are interested in taking the wood panels, they may be loaded at the conclusion of the contest. The school must provide a way to transport them.

Tools to be provided by contestants:

1. one Klein d502-10 10" pump pliers
2. one Klein d502-12 12" pump pliers
3. one Klein 701-12 12" hacksaw
4. one Klein 808-16 16 oz claw hammer
5. one Klein 44100 utility knife
6. one Klein 930-9 9" torpedo level
7. one Klein 203-6 6" long nose pliers
8. one Klein 650 7" scratch awl
9. one Klein d213-9ne 9" side cut pliers
10. one Klein 601-4 4" flat head screwdriver
11. one Klein 603-4 4' Phillips head screwdriver
12. one Klein 600-6 6" flat head screwdriver
13. one terminal screwdriver
14. one Klein d248-8 8" diag. cut pliers
15. one Klein 928-25hv 1 x 25' tape meas.
16. one Klein 5165 tool pouch
17. one Klein 52071 tool belt
18. one ideal 45-120 T5 wire stripper
19. ½" EMT Bender
20. one VOM meter
21. Drywall saw
22. Battery Drill ONLY - no electric drills will be allowed
23. ¾" or ½" Drill bit for wood studs
24. Roto-splitter tool for MC cable
25. Hard hat
26. 2008 National Electrical Code book
27. 2 number # 2 Pencils
28. 4 foot fiberglass ladder
29. Leather work boots only - a tennis shoe looking boot will not be permitted!!!!
30. Safety Glasses and work gloves
31. Phillips bits for drill

***Do not bring material of any kind.**

Scope of the Contest

The contest will be judged based on the criteria established in the 2010 SkillsUSA Championships Technical Standards.

SkillsUSA Ohio 2010 Residential Wiring

There are three parts to the Residential Wiring contest.

Orientation will start at 12:15 Friday.

Part one Friday 1:00 pm

Bend back to back nineties on a ½” conduit with box offsets on both ends per the drawing in your packet and a 4-point saddle with offsets at both ends per the drawing in your packet.

Part two Friday

Written Test

Complete twenty NEC code questions (open book).

Part three Saturday check in 7:30 am

Start time 7:45 am

Finish time 11:45 am

Wire the project in your packet per the Specification, Notes and Special Instructions.

You have FOUR hours to complete part three of the contest.

No parents or instructors are allowed to talk to or be in the test area until all testing is complete.

The contest is over at 1:00 pm

**YOU MUST STAY AND TAKE ALL PROJECTS APART
AFTER THE JUDGES HAVE FINISHED.**