

**Franklin County CTC
District V Competition
February 15, 2010**

Contest: Electronics Technology

Contest Chairperson: Shawn Eckenrode

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EACH CONTESTANT IS REQUIRED TO SUBMIT A RESUME

Clothing and Safety Equipment Requirement:

Contestants must dress according to PA SkillsUSA District 4 and 5 Guidelines paying particular attention to the following:

- long pants – jeans must be tightened at the waist and be free of holes
- only shirts without writing or graphics will be permitted.
- socks that cover the ankle
- closed-toe shoes
- no clothing with the contestant's name or school name

Safety glasses will be required for some parts of the contest and contestants must bring their own.

Scope of Contest:

Contestants will be evaluated on their ability to perform jobs or skills in the following areas:

- Circuit Construction (Soldering)
- Technical recording and reporting
- DC Circuits
- AC Circuits
- Analog Circuits
- Digital Circuits
- Lab Practices

Equipment/Tools/Materials Provided by the Host School:

All necessary tools, materials, schematics and equipment required for the contest will be provided. In addition to basic hand tools, the contestant will be using the following equipment at FCCTC:

- B&K Precision Oscilloscope model 2120
- B&K Precision Function Generator model 3011B
- Heathkit Circuit Design Trainer model ETW-1000
- Fluke Handheld Digital Multimeter model 73 III

Equipment/Tools Provided by Contestant:

- Safety glasses
- Calculator

Other Equipment:

No cell phones or two way radios are permitted. If a contestant is found to have either in their possession he/she will be disqualified.

Special Instruction and Notes:

It is impossible for the host school to list all tools you may have instructed your students to use when performing certain tasks. Feel free to bring additional tools you feel you may require to work on the project as mentioned in the Scope of Contest.

The host school and judges reserve the right to check all tool boxes and/or tools or materials prior to the contest. Any tools that they feel will give the contestant (in their opinion) an unfair advantage will not be permitted.