

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

Contest: Internetworking

**Contest Chairperson: Tim Byers
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EACH CONTESTANT IS REQUIRED TO SUBMIT A RESUME

Clothing and Safety Equipment Requirement:

- **For men:** Official white polo shirt with black dress pants, black socks and black leather shoes.
- **For women:** Official white polo shirt with black dress slacks or skirt, black socks or black or clear seamless hose and black leather shoes.
- Safety requirements as mandated by the National SkillsUSA Standards

Scope of Contest:

Contestants will be required to demonstrate proficiency in the following areas:

- Written Examination based on CompTIA Network+ and Cisco CCNA examination including:
 - OSI Model
 - TCP/IP Model
 - Networking Devices
 - Network Media
 - Router/Switch Programming
 - Routing Protocols
- Network Media Installation/Termination
- Basic Router/Switch programming and setup
- Network Troubleshooting

Equipment/Tools/Materials Provided by the Host School:

1. 1 Computer Workstations with Windows XP
2. 1 Cisco Router (1700 or 2500 series)
3. 1 Hub or Switch
4. Materials Necessary to create two UTP Cat 5E cables

Equipment/Tools Provided by Contestant:

1. Tools necessary to terminate a network cable. (Crimper, cable stripper, diagonal cutting pliers, etc.)
2. Cable Tester
3. Safety glasses
4. Laptop – For Router Programming
 - 2000 or XP Operating System
 - Hyperterminal installed
 - Serial Port
 - USB Port
5. Nonscientific 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.