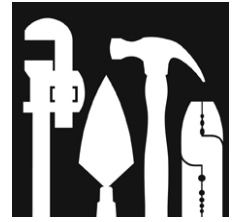




**Pennsylvania - District 2**  
*Education . . . with a competitive side*

## TEAM WORKS 2022



### **Clothing Requirements**

Official SkillsUSA khaki work shirt and pants, black or brown leather work shoes, and safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)

**Note:** At the district level if a student is not able to wear the official SkillsUSA attire he/she may wear an outfit that would be acceptable in their specific field of study. *Please keep in mind that official SkillsUSA attire will be required at the state and national level.*

**Must have safety glasses, leather work shoes or boots, workpants and work shirt with nothing descriptive of the school you are representing.**

### **Eligibility**

Open to a team of four SkillsUSA members enrolled in program(s) with building trades as the occupational objective. Team members must be from same school.

### **Equipment and Materials: Supplied by host school:**

1. All carpentry materials required for projects will be supplied by host school.
2. All masonry materials required for projects will be supplied by host school.
3. All electrical materials required for projects will be supplied by host school.
4. All plumbing materials required for projects will be supplied by host school **EXCEPT** PEX crimp Rings.

### **Equipment and Materials: Supplied by Contestant:**

1. All participants must furnish the Proof of Training form
2. All competitors must wear safety glasses, hard hat, safety shoes and clothing appropriate for the construction field.
3. All participants must supply all hand tools and power tools needed for the competition in their respected trade.(see list below):

#### **Carpenter:**

Claw hammer

Cat's paw

Combination Square

4' Level

Circular saw (electric or cordless) Framing square

Pencil

Zigzag ruler (6')

Chalk Box

Utility Knife

Extension Cord (25'-50')

Steel Tape (25' – 30')

Carpenter's pencil

Miter/chop saw  
(optional)

**Electrician:**

Hand tools

Electric Drill - right angle

Drill bit-for cables through studs

Hammer

Continuity/Voltage tester

**Plumber: Standard Plumbers Handtools**

Hand tools for ½” PEX Tubing

30 PEX Crimp Rings

½” Right angle drill with bits for:

3” PVC, 1-1/2” PVC, ½” PEX

Reciprocating Saw

Torpedo level ‘

Sabre Saw

½ Round File

**Mason:**

Trowel

Concave jointer

Brush

Carpenters pencil

2’ level

Brick Hammer

Modular Ruler

S-jointer

4’ level

2’ steel square

Line &amp; line blocks

Chisels (cutting brick and block)

**Scope of the Contest – (Defined by the National Competition Regulations)**

*(District Competitions are meant to be a scaled down version of National Competition. It is important for the students to participate in a competition that will reflect a cross-section of the industry skills needed to prepare them for the state and national levels)*

**Knowledge Performance**

The competitors will be required to identify common carpentry, masonry, plumbing and electrical hand tools.

**Skill Performance**

The contest includes a team project assessing the ability to analyze a project drawing, write an action plan, perform skills in residential carpentry, plumbing, electricity and masonry and then professionally presenting the team project.

**Safety Requirements**

All competitors must have proof of training forms. Two competitors from each team will be required to submit evidence that they are working toward an OSHA Certification prior to the competition.

The contestants are responsible for inspecting the tools supplied and making sure they are in safe working condition. Further, they agree that SkillsUSA PA District 2 host school, teachers and advisors are released from all responsibility relating to personal injuries resulting from their use. Contestants will be removed from competition if proper training has not been provided and/or they are using the equipment in an unsafe **manner**.

**Contest Guidelines**

1. Each team will be given the project drawing and will be given time to meet as a team, analyze the drawing and formulate an action plan.

2. The Team work strategy and completion of the various components of the project will be assessed.  
(Team members may assist with the various components as needed by fellow team members.)
3. Cleanliness of jobsite, timeliness of completion of the project and effective ordering of and inventorying tools and equipment will be assessed.

**Standards and Competencies** – (Summary of national technical standards list)

1. Analyze and formulate an action plan after analyzing the project drawing
2. Perform effectively as team members
3. Perform carpentry skills by constructing floor & wall framing & laying out a rafter.
4. Perform plumbing skills by laying out and installing drains & water supply lines.
5. Perform electrical skills by laying out electrical installations.

**Team Building Rating Sheet**

All areas will be judged on accuracy to detail, time management, workmanship, and cleanup.

<b>Items Evaluated</b>	<b>Possible Points</b>	<b>Contestant Points</b>
Carpentry	200	50
Plumbing	200	50
Masonry	200	50
Electrical	200	50
Written Assessment	200	50
<b>Resume Deduction</b>	<i>-10</i>	-10
<b>Clothing Deduction</b>	<i>-5</i>	-5
<b>OSHA 10 Deduction</b>	<i>-40</i>	-40
<b>Safety Deduction</b>	<i>-10</i>	-10
<b>Total</b>	<b>1000</b>	<b>250</b>

*Note: No cell phones or other electronic devices may be used at any time during a competition; this includes using a calculator function on a cell phone for competitions in which calculators are permitted.*