



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

TEAMWORKS



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.

Equipment and Materials supplied by Host School:

Materials required for projects will be supplied by host school except hand tools noted below.

Equipment and Materials supplied by Contestants:

All participants must furnish Proof of Training forms

All competitors must wear safety glasses, hard hat, safety shoes and clothing appropriate for the construction field.

All participants must supply all hand tools and power tools needed for the competition in their respected trade:

Carpentry Hand Tools:

Claw hammer
Cat's paw
Circular saw (electric or cordless)
Framing square
Zigzag ruler (6')
Utility Knife
Miter/chop saw (optional)

Steel Tape (25' – 30')
Combination Square 4' Level
Carpenter's pencil
Pencil
Chalk Box
Extension Cord (25'-50')

Mason:

Trowel	Concave jointer	Brush	Carpenters pencil
2' level	Brick Hammer	Modular Ruler	S-jointer
4' level	2' steel square	Line & line blocks	Chisels (cutting brick/block)

Electrician Hand Tools:

Electric Drill - right angle
Drill bit-for cables through studs
Hammer
Continuity/Voltage tester

Plumbers Hand Tools:

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

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 Teamwork 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 inventory 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.

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

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.