



TEAMWORKS

ELIGIBILITY (Team of 4)

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

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

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.

EQUIPMENT AND MATERIALS SUPPLIED BY HOST

1. All carpentry materials required for projects will be supplied by the host school.
2. All masonry materials required for projects will be supplied by the host school.
3. All electrical materials required for projects will be supplied by the host school.
4. All plumbing materials required for projects will be supplied by the host school.

EQUIPMENT AND MATERIALS SUPPLIED BY CONTESTANT

1. All students must have a one-page, typewritten resume.
2. Signed Proof of Training form
3. OSHA 10 card
4. All competitors must wear safety glasses, hard hats, safety shoes and clothing appropriate for the construction field.
5. All participants must supply all hand tools and power tools needed for the competition in their respected trade. See list below:

Carpenter:

Claw hammer
Steel Tape (25' – 30')
Cat's paw
Carpenter's pencil
Combination Square
Miter/chop saw (optional)
4' Level

Pencil
Circular saw (electric or cordless)
Framing square
Zigzag ruler (6')
Chalk Box
Utility Knife
Extension Cord (25'-50')

Electrician:

Hand tools
Hammer
Electric Drill - right angle

Sabre Saw
Drill bit-for cables through studs
Continuity/Voltage tester



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Mason:

Trowel

2' level

4' level

Concave Jointer

Brick Hammer

2' Steel Square

Brush

Modular Ruler

Line & Line Blocks

Carpenter's Pencil

S-Jointer

Chisels (cutting brick and block)

Plumber: Standard Plumbers Hand Tools

Hand tools for copper tubing

Hand tools for PVC pipe

Reciprocating Saw

Hole Saw for 2-inch PVC

Torpedo level

Drill Bits for ½ inch copper, ½ round file

All materials needed for sweating of copper tubing (IE: grit cloth, flux, lead free solder)

All materials needed for installing PVC pipe (IE: PVC primer and Cement)

PEX Crimp Rings

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 present 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**.



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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 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.



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TEAM WORKS SCORING SHEET

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

Items Evaluated	Possible Points	Contestant Points
Written test- (50 pt test per competitor)	200	
Carpentry	200	
Plumbing	200	
Masonry	200	
Electrical	200	
	Subtotal = 1000	
No Resume	Deduction -10	
Safety Penalty	Deduction - 10	
Clothing Penalty	Deduction -5	
No OSHA 10 card	Deduction -40	
	TOTAL	

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.

Note: Scorecards should only be used as guidance. Changes may occur.