



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

BUILDING CONSTRUCTION TECHNOLOGY



Clothing Requirements

Official SkillsUSA Khaki work shirt and pants, black or brown leather work shoes (leather or canvas athletic shoes or high heel boots are not acceptable), safety glasses with side shields or goggles. Prescription glasses are not safety glasses and safety glasses or goggles must be worn on top of prescription glasses.

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.

Eligibility

Open to active SkillsUSA members enrolled in career and technical programs with entry-level job skills with Building Construction as the occupational objective.

Equipment and Materials: Supplied by host school:

1. All materials required to complete assigned project
2. Blueprints for each contestant and judge
3. All gas tanks and self-lighting torches
4. All necessary information and furnishings for judges and technical committee

Equipment and Materials: Supplied by Contestant:

1. Contestant must supply the following tools:
 - a. Utility knife with additional blades
 - b. Drywall saw
 - c. Assorted screwdrivers (Phillips & slotted)
 - d. Folding rule and/or steel tape measure
 - e. Claw hammer
 - f. 24" or 30" spirit level
 - g. Pencils (carpenter or regular)
 - h. Nail apron or pouch with belt
 - i. Combination square
 - j. Speed square
 - k. Framing square
 - l. Torpedo level
 - m. Wood chisels
 - n. 2 1/8" hole saw
 - o. Safety glasses and/or goggles
 - p. Personal safety clothing and equipment
 - q. Cordless drill with batteries, #2 Phillips tip, 1/8" pilot bit, 1" spade bit
 - r. Tubing cutter for 1/2" copper tubing (Ridgid #15),
 - s. Basic soldering tools, grit cloth, flux and flux brush
 - t. PVC saw, primer and glue, 2 1/2" hole saw
 - u. Electrical basic hand tools
 - v. Any other basic hand tools that a contestant would like to supply

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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 contest will include a written knowledge test that assesses safety knowledge in Building Construction.

Skill Performance

The contest will assess accuracy, workmanship, the ability to use the proper use of tools and equipment. Contestants will do a variety of jobs involved in building construction to prove their skill level.

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

1. At the completion of the work, the contestant will be expected to clean and return all tools and materials used. Failure to do so will be discounted on the contestant's score.
2. Performance evaluation will be made on the basis of safety, completion, accuracy and workmanship.
3. Judges will stop any operation wherein the contestant is performing in a manner deemed by the Judge to be unsafe to the point of possible harm to the contestant, the Judge, the assistant, or anyone else within range of the operation.
4. Contest shall consist of all the following activities:
 - a. Carpentry
 - b. Plumbing
 - c. Electrical
 - d. Drywall, tape & 1st coat
 - e. Install a hinge
 - f. Clean-up

Building Construction Rating Sheet

Items Evaluated	Possible Points	Contestant Points
Written Test	10	
Carpentry	50	
Plumbing	50	
Electrical	50	
Drywall, tape & 1 st coat	40	
Install a hinge	50	
Clean-up	50	
Total	300	

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.

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