

Plumbing

CONTEST DATE & LOCATION: Refer to the Kansas State Championship Conference Packet

PURPOSE: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of residential plumbing

ELIGIBILITY: Open to active SkillsUSA members enrolled in programs with residential plumbing as the occupational objective.

CLOTHING REQUIREMENT: Unless the contest chair says otherwise, students are required to wear the Official SkillsUSA Kansas T-shirt and blue jeans (no tears, holes, or bagginess) clean and neat with appropriate shoes for contest or Official SkillsUSA light blue work shirt and navy pants; black, brown or tan 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.)*

Official SkillsUSA blue work shirt attire



NOTE: The Official Kansas State T-shirt will be mailed to schools prior to the competition.

KANSAS STATE CHAMPIONSHIPS (KSC) CONTEST UPDATE



QTY	TOOLS & MATERIALS SUPPLIED BY TECHNICAL COMMITTEE	CHECKED
1	Copper Supply Bracket TOILET	
3	½" Copper Supply line 10'	
3	2" PVC sch. 40 10'	
3	½" Copper Caps	
1	3" PVC sch. 40 10'	
1	3 to 4" Toilet Flange Metal Ring	
1	3x3x2 Elbow with Heal inlet	
3	2" PVC 45 Street Elbow	
4	2" PVC Sanitary Tee	
2	3x3x2 Wye	
1	2" PVC Trap	
2	3" PVC Long Sweep Elbow	
1	Teflon Tape	
1	PVC Primer and Glue	
1	Solder 1 roll	
1	Flux 1 can	
1	Emery Cloth or Pipe Cleaning tool	
2	Flux Brush	
1	Rag and small Pale	
1	2" PVC Adjustable Drain	
1	Water Supply Line Tester	
12	½" Copper Elbows	
5	½" Copper Tees	
1	2" x 2" x 1 ½" Sanitary Tee	
3	2" Pipe Clamp	
2	2" PVC 90-degree Elbow	
25	2" Star Tip Screws	
1	Trap Adapter 1 ½" Male Slip	
1	40 CF Acetylene dissolved Tank	
1	Turbo Torch with A3 tip	
2	Toilet Bolts	
2	3" Clevis Clamps	
1	3/8" All thread 4' long	
1	Striker for Solder Torch	
8	3/8" Nuts and Washers	
2	3/8" All Tread Connector	
3	2" Riser Clamps with bolts and nuts	
1	PVC Power Shear	
1	Vice mounted to Platform for Soldering	
3	½" Copper Male Adapter	

KANSAS STATE CHAMPIONSHIPS (KSC) CONTEST UPDATE



QTY	TOOLS & MATERIALS SUPPLIED BY TECHNICAL COMMITTEE	CHECKED
2	½" Drop Ear 90 sweat to thread	
12	½" copper 2-hole pipe strap	
1	Small Band Saw	

QTY	TOOLS & MATERIALS SUPPLIED BY CONTESTANT	CHECKED
1	Impact Driver	
1	APEX Tip	
1	Framing Square	
1	Torpedo Level Grade Level Plumbing	
1	Tape Measure	
1	Black Permanent Marker Fine Point Set	
1	Hammer	
2	Tongue and Groove Pliers	
2	Adjustable Wrench	
1	Handsaw for PVC	
1	Lineman Pliers	
1	Star Tip T25 and T20 (each)	
1	Flathead Screwdriver	
1	3 Wheel Pipe Cutter	
3	Quick Clamps (if needed for clamping)	
1	Pair of Protective Gloves	
1	Z87 Safety Eye Protection	
1	Carpenters Pencil	
1	Speed Square	
1	Note Pad	
1	Knee Pads	

All competitors must create a one-page resume and submit a hard copy to the technical committee chair at orientation. Failure to do so will result in a 10-point penalty.