

2012 SkillsUSA MICHIGAN CHAMPIONSHIPS
TASK AND MATERIALS LIST

Skill or Leadership Area: Plumbing
Time Allowed: 4 1/2 hours, maximum

Tasks to be performed:

1. Complete written test (Technical)
2. Look at diagram and observe instructions.
3. Determine lengths of pipes.
4. Cut cooper pipes to specified lengths.
5. Cut plastic pipe to specified lengths.
6. Solder joints.
7. Notify judge when your task is complete.
8. You may NOT correct any mistakes after you have notified judge that you are done.

NOTE: "NO TENNIS SHOES, SHORTS, CUT-OFFS PANTS, SLEEVELESS SHIRTS OR BARE MID-RIFFS"

Students Must Supply

Propane torch and striker
1 flat screwdriver
1 Phillips screwdriver
2 adjustable wrenches
PVC cutter
Ruler or tape measure
#2 pencil
Tubing cutter
Solder
Flux
Glue & primer for PVC
Claw hammer
Abrasive for cleaning
Level
1 page resume

Proper Dress for Trade

Safety glasses - MANDATORY
(with side shields or goggles)

Optional Tools

Paper towels
Gloves
Power screwdriver

NOTE:

1. Each student must have all above tools or will be disqualified. No tools may be borrowed from another contestant.
2. Hard hats will be optional.
3. You may not use matches or a lighter to light your torch.

Presented by

Mid-Michigan Mechanical Contractors Association (3MCA)

Judges

Kirk Myers, Myers Plumbing & Heating, 3MCA Member

Chad Myers, Myers Plumbing & Heating, 3MCA Member

Martin Jipson, Retired Plumbing & Mechanical Inspector, Delta Township

Frank Eirosius, Plumbing Inspector, City of Lansing

Jeff Rumsey, UA 174 Training Coordinator

(Judges subject to change based on availability)

**SkillsUSA Michigan Championships
RATING SHEET**

PLUMBING

This scale is to be used in categories with a double asterisk (**) which doesn't include copper accuracy, leaks and general category.

EXCELLENT= 50, ABOVE AVERAGE = 35, AVERAGE= 20, POOR = 5

ITEMS EVALUATED	CONTESTANT NUMBER									
	possible points									
DWV										
**Accuracy	50									
**Installation	50									
**Grade	50									
**Alignment	50									
**Supports	50									
SUB TOTAL	250									
COPPER										
Accuracy (-10 pts. for each wrong measurement +/- 1/8 inch)	80									
**Installation	50									
Leaks (-10 pts. for each leak)	120									
**Joint Preparation	50									
**Solder Joints	50									
**Supports	50									
SUB TOTAL	400									
GENERAL										
**Neatness of Overall Project	50									
**Workmanship	50									
**Safe & Clean Work Area	75									
**Proper Dress	50									
Written Test (5 pts per question)	125									
SUB TOTAL	350									
TOTAL	1000									

JUDGE'S SIGNATURE: _____