

**2024 SkillsUSA MICHIGAN CHAMPIONSHIPS
TASK AND MATERIALS LIST**

Skill or Leadership Area: Plumbing

CONTEST LOCATION:

DeVos Place
303 Monroe Ave NW
Grand Rapids, MI 49503
616.742.6500
<http://devosplace.org/>

RESUME:

Each student must submit a one-page printed resume before the contest start at the contest site (present to contest coordinator, not judges). The resume is no longer submitted online. This is the only time that resumes can be turned in. Failure to do so will result in a 10-point penalty.

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 copper pipes to specified lengths.
5. Cut plastic pipes 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/cotton rags
Gloves
Power screwdriver

Technical Committee Will Supply

1) Lunch

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)
West-Michigan Mechanical Contractors Association (WMMCA)

Tentative Judges

Jeff Sevigny, UA Local 174 Plumbers & Pipefitters
Sean Sullivan, UA Local 174 Plumbers & Pipefitters
Brian McKay, Grand Rapids City Plumbing Inspector
(Judges subject to change based on availability)

Revised 12/01/24

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: _____