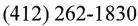


District 8 Competition

Monday, January 20, 2020

Keystone+Mountain+Lakes
Carpenters Training Center
652 Ridge Road
Pittsburgh PA. 15205





Location Chair - John Brown 412-847-1944 or john.brown beattietech.com



Teamworks Competition Overview

- Cell Phones or wearable electronics are not permitted at any time even if powered of f.
- There are no official clothing requirements at the District level.
- All competitors must wear trade appropriate clothing and safety equipment that follows ALL trade safety rules.
- Resumes are not needed at the District level.
- If there is a question about the contest, please contact the SkillsUSA site corrdinator.

Carpentry:

Contestants must provide all hand and power tools including but not limited to:

- Personal Hand Tools (Hammer, Tape, Chalk Line, Square, etc.)
- 2' and 4' Levels
- Portable Circular Saw
- Cordless Drill
- Framing Square
- Hand Saw
- Reciprocating Saw (optional)

Masonry:

Contestants must provide all tools including:

- Brick Trowel
- Jointer / Striker
- 2'and 4' Levels
- Brick Hammer
- Brick Set

Plumbing:

Contestants must provide:

- Tubing Cutter
- PVC Hand Saw, or Hack Saw
- Flux
- Solder
- Cleaning Tools

Electrical:

Contestants must provide all hand tools and power tools including:

- Wire Strippers
- Linesmen Pliers
- Needle Nose Pliers
- Screwdrivers
- Power Drill & Bits

*Students may bring more tools if they desire. Your school and The KML Carpenters' Training Center are not responsible for lost, stolen, or damaged tools.



Teamworks Contest Description

Carpentry:

Construct walls on floor (provided by host school) as per floor plan.

Note: 6' wall is 24" O.C.

4' wall is 16" O.C.

Cover outside of walls with 7/16" OSB.

Note: 6' wall has OSB horizontal (4' high)

4' wall has OSB vertical

Masonry:

Build a brick corner, 5 courses high.

Note: Step back on 6' wall and end flush on 4' wall

Plumbing:

Rough in laundry supply box according to specifications on the drawing.

Note: Cap ends of copper lines for testing

DO NOT Knock out drain in the laundry

DO NOT Glue plastic fittings

Electrical:

Rough in and attach fixtures as per drawing.

3-way switches

One light fixture

One duplex receptacle

Note: Contest blueprints will NOT be given out before the day of competition. Please prepare based off the National Technical Standards. All work must meet standard practices and Codes.

Material List

(Provided by the KML Carpenters' Training Center)

- 9 2x4x12'
- 2 4'x8'x7/16" OSB
- 2 ½" Female T Headed fitting or Washer box
- 1 ½"x10' Copper pipe
- 3 ½" 90-degree copper elbows
- 1 4 in 1 fitting tool
- 1 2"x10' ABS pipe
- 1 2" P-trap
- 1 4" Round light box for light
- 3 Single work boxes for receptacle and switches
- 1 10' pc. Of 12-3 wire
- 1 15' pc. Of 12-2 wire
- 1 Light fixture porcelain
- 1 Receptacle
- 2 3-way switches
- 1 Teflon tape
- 1 Bag of mortar
- 1 Small box of wire staples
- 1 Small box of wire nuts
- 1 3 lbs. of 16d commons
- 1 3 lbs. of 8d commons
- Propane Torch

Items	Possible Points				
Evaluated					
	T OILES				
Carpentry					
Wall plates	10				
Wall layout	10				
Wall orientation	10				
Stud length	10				
Nailing pattern	10				
Walls square	10				
Sheathing correct	10				
Studs crowned	10				
Corner detail	10				
Safety	10				
Total	100				
Electrical					
Box location	20				
Rough wiring	20				
Fixture install	20				
Fixture operation	20				
Code followed	10				
Safety	10				
Total	100				
Plumbing					
Fixture location	10				
Drain installation	10				
Water lines	20				
Holes in studs	10				
Solder joints	10				
Plastic joints	10				
System check	20				
Safety	10				
Total	100				
Masonry					
Number courses	25				
Layout	15				
Plumb	15				
Level	15				
Joints struck	10				
Brick cleaned	10				
Safety	10				
Total	100				
Tr 1.C	100				
Total Score	400				

Items Evaluated	Possible Points	Teams							
		1	2	3	4	5	6	7	8
Carpentry									
Wall plates	10								
Wall layout	10	- HE ONY LET COME							
Wall orientation	10								
Stud length	10								
Nailing pattern	10								
Walls square	10								
Sheathing correct	10								
Studs crowned	10								
Corner detail	10								
Safety	10								
Total	100								
Electrical									
Box location	20		 						
Rough wiring	20								
Fixture install	20								
Fixture operation	20								
Code followed	10		 						
Safety	10								
Total	100								
10001	100								
Plumbing									
Fixture location	10								-
Drain installation	10								
Water lines	20								
Holes in studs	10								
Solder joints	10		-						
Plastic joints	10								
System check	20								
Safety	10				110-00-1				
Total	100								
Total	100								
Masonry									
Number courses	25								
	15		-						
Layout Plumb	15	-	-						
Level	15		-						
Joints struck	10		-						
Brick cleaned	10								
Safety	10	***************************************	<u> </u>						
Total	100								
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Total Carre	400	-							
Total Score	400								