



MASONRY

Please read through the Technical Standards for Equipment and Materials tools list. Your instructor should have access to the Technical Standards in making them available to you.

The scope for the SkillsUSA Kansas Masonry contest 2024 will be a challenge to demonstrate the masonry skills that you have learned at your school. It will be an all-day event with a box lunch provided and a chance to visit other potential bricklayers. Everyone will stay until all is completed.

PRE-CONTEST REQUIREMENTS: SkillsUSA Professional Development Test

DATE: April 8-12, 2024

REQUIREMENT: All contestants of the SkillsUSA Kansas State Championships are required to take the SkillsUSA Professional Development Test within the timeframe specified above. The test is about the knowledge you know about the organization in which you are a member. This test applies to the overall score of your competition and is worth 25 points. Contestants that do not take this test automatically receive 0 points. Your instructor will receive an email from the State Director with the testing link on Monday, April 8, 2024. It is up to the schools to make sure all competitors receive this link and take the test within the allotted timeframe.

CONTEST DATE: April 25, 2024

CONTEST TIME: 8:00 AM – 4:00 PM

CONTEST LOCATION: Kansas State Fairgrounds, Meadowlark Building

Once a student enters the competition floor, there will be NO outside communication with anyone allowed. Cell phones are NOT allowed in the contest area.

MASONRY TEST: The contest will begin with a 25-question exam with the points put on the final score. This will cover masonry knowledge.

SKILLED CONTEST: The scope of the work will consist of laying of block and brick. The laying of brick will have a minimum of cutting brick with a hammer and chisel. Each wall

will have a header, stretcher, soldier, and rowlock showing your skills of laying brick and block. Contestants will be demonstrating their skills of using basic masonry tools. The possible point value totals 1,000 points. The judges will be looking at your wall using the tools of the trade and how well you have kept your wall clean, neat, plumb, and level. Each wall will follow the prints provided during orientation. All joints will be full and struck up according to industry standards. Each wall will be given a point value according to how professional the contestant's work is.

Once the contestant finishes working, the contestant will then place their contestant number on top of the wall. This will indicate to the judges the contestant is ready for final evaluation. The contestant will go to the break area and wait there until all competitors are finished. After all the judging is complete, contestants will attend a debrief session, giving the judges the opportunity to critique each wall and make final comments.

All contestants will tear down all the built walls, working as a team. In the event a contestant does not participate in the cleaning up of the competition floor, their total point value will be reduced to ZERO. THIS IS AN ALL-HANDS EFFORT.

RUBRIC OF CONTEST

1. Length of wall correct. The wall is straight.
2. The contestant followed prints having the right bond layout with full equally spaced mortar joints. Height of work meets the modular industry standards.
3. When laying the brick, the correct bond was used for maintaining a half bond on the block.
4. The brick will be maintaining one half bond/running bond. All mortar joints will be filled. No mortar joints will be left open.
5. The proper modular height is maintained as being the standards of the industry. The wall is kept plumb and level, following the prints provided.
6. All work has full joints and properly finished with a jointer. A surplus mortar left on wall will be brushed off. The finished wall will be plumb and level. Any surplus mortar will be cleaned up and properly disposed of.

REQUIRED TOOLS FOR THE MASONRY CONTEST

The list is the required tools that will be needed for each contestant to bring with them for their convenience to do the wall they will be building for the contest held here in Hutchinson on April 25, 2024.

- 1: Brick trowel
- 2: Two levels (suggested 18" and 48")
- 3: One "S" jointer (suggested 1/2" 5/8")
- 4: One Brick Hammer
- 5: Two 6-foot folding rules (one modular and one standard)
- 6: One carrying bag
- 7: One pencil
- 8: One framing square
- 9: Brush
- 10: One Brick set (chisel)
- 11: Line and line blocks

This is a required list of tools, any other tools desired may be brought and used.