

Skills projects 2015

Braze project.

Contestants will be required to braze, solder, flare and swag hard copper tube. **Students will need to provide all tools and equipment needed for this project, including torches. *No tools will be provided by local 777.***

Reclaim project

Contestants will be required to set up to reclaim by the liquid and vapor methods and set up to evacuate the system. **Reclaim units and tanks, and vacuum pumps will be provided by local 777.**

Electrical project

Students will be required to wire an electrical board (provided by local 777) from a ladder schematic. Wire and connectors will be provided by local 777. **All tools will be the responsibility of the student.**

Flue gas analysis project

Students will be required to execute a flue gas analysis on an oil fired and a gas fired unit. Students will be required to take a smoke reading on the oil fired unit. A print out of the tests will be required. Students will be required to tell the judges whether the unit meets specifications or not. **Testo 300 flue gas analyzers and printers will be supplied by local 777. All other tools will be the responsibility of the student.**

Written test

Students will be required to complete a 25 question written test.

Students will be judged on completion, accuracy, neatness and safety of all projects.