



17th ONTARIO TECHNOLOGICAL SKILLS COMPETITION

HOME BUILDING - SECONDARY LEVEL

CHAIR: Mike DeBrusk, mike.debrusk17@sympatico.ca

****This contest is not offered at a national level**

PURPOSE OF CONTEST:

Students from all over Ontario will compete in and promote residential construction technology. Students will demonstrate their skills and talents in construction technology, and will be rewarded for their outstanding abilities.

SKILLS AND KNOWLEDGE TO BE TESTED:

Teams of two students will compete in the Home Building contest; the duration of the practical challenge will be 8 hours. This year a short test will be incorporated in this 8 hour duration; covering the building code and minor electrical questions.

- carpentry/framing (windows, stairs, floor, wall, roofing)
- electrical
- quality of the work
- building code
- roofing material

To help competitors prepare for their eventual job search; Skills Canada – Ontario is incorporating a **job interview** into this contest. All competitors must come with a resume and be ready for a 5 minute interview, which will contribute to 5% of the competitor's overall marks. Feedback will be given back to the competitors.

In addition, competitors should be familiar with the Occupational Health and Safety Act. Further information on the practical challenge will be given by the Technical Chair prior to the competition and at the Orientation Meeting.

JUDGING CRITERIA:

Judging will be conducted by specialists in the areas of construction and architecture. The practical challenge of this contest is worth 85% of their total mark. The written test is worth 10% and the job interview and resume will be worth 5% of their final mark. In addition to the trade skill mark, a construction safety specialist will evaluate the competitors' working knowledge of construction safety. The mark from this specialist will give a raw score. This raw score will be incorporated in to the practical challenge

mark. A system of warning cards will be utilized for safety violations. This system will advise the competitors that a safety infraction has occurred or that safe practices are being compromised. At the time a card is given to a team, discussion will occur to clarify and rectify any problem(s).

PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS:

Competitors must wear all personal protective equipment as required by the Occupational Health and Safety Act and Regulations for construction projects. Personal protective equipment includes, but is not limited to: hard hats, safety footwear, safety glasses, gloves, respirators and clothing.

TIME TABLE

7:00-7:30 am	Registration
7:30-8:00 am	Orientation
8:00 am	Contest Begins

DURATION: 8 hours

EQUIPMENT/MATERIALS/SUPPLIES

Supplied by Committee:

- All power tools will be provided by the committee, no other power tools will be allowed.

Supplied by Competitor:

- A assortment of driver bites, drill bits
- Hand saw
- Chisels
- Roofing tools
- **Note* this year there will be NO practical regarding electrical or plumbing.** (This will be covered in the small theory test). Please do not bring any unnecessary tools.
- Each team must provide all the necessary tools required for framing, trimming, residential wiring, residential plumbing (copper and ABS), dry walling and insulation as follows:

Framing

Pencils, pencil sharpener, eraser, ruler, calculator

Tool box

Measuring tape 10', 12', or 25'

Framing claw hammer – 20-22 oz.

Pry bar or crow bar

Utility knife

Combination square

Sliding tee bevel

Tool apron

Framing square w/ rafter tables or framing square nut guides

1 set of chisels 1/4"-1"

nail puller
nail set
cross cut saw
4' level
tri-square
chalk line

Miscellaneous

25' extension cord (min. 14/2 gauge with grounds intact)
1 set of saw horses