



2022

24th ANNUAL SKILLS MANITOBA COMPETITION CONTEST DESCRIPTION

CONTEST NAME: Industrial Mechanic

CONTEST NO: 01

LEVEL: Post Secondary

LOCATION OF CONTEST: Manitoba Institute of Trades and Technology

PURPOSE OF CHALLENGE:

To test the knowledge and skills of each competitor in the areas of: pneumatics, metal layout, machining and fabrication, the identification, assembly and alignment of power transmission components.

SKILLS AND KNOWLEDGE TO BE TESTED:

(Theory 15% / Practical 85%)

- Interpret, read and lay out a hand tool project
- Interpret machine component as shown in given drawing
- Interpret, assemble and align mechanical power transmission components

Note: Knowledge of Imperial and Metric measurement and ANSI symbols required

POINT BREAKDOWN (1000 POINTS)

- Interpret, read and lay out a hand tool project 333 points
- Interpret machine component as shown in given drawing 333 points
- Interpret, assemble and align power transmission components 334 points

Note: In case of a tie in this competition, the competitors will write a 25 question theory test for an additional 25 points

NATIONAL COMPETITION ELIGIBILITY:

- A mark of **70% or higher** must be scored by the gold medalist in order to attend the National Skills Competition

EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:

- All required components, tools and equipment.

EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:

- Personal Protective equipment only, no tools or equipment.

CLOTHING REQUIREMENTS:

Competitors are expected to be dressed in an appropriate manner with their own safety glasses, work boots and coveralls or shop coat. (Without company or school identification)

Project information will not be available beforehand.

NOTE:

All competitors will be required to sign a declaration stating that they have not written a certificate of qualification examination, or hold journeyman status in a related trade.

THE IMPORTANCE OF ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES;

Essential skills are used in nearly every job and at different levels of complexity. They provide the foundation for learning all other skills and enable people to evolve with their jobs and adapt to workplace change. Good Essential Skills means you will understand and remember concepts introduced in technical training. The level of Essential Skills required for most trades is as high as or higher than it is for many office jobs.

The following 9 skills have been identified and validated as key essential skills for the workplace:

Numeracy, Oral Communication, Working with Others, Continuous Learning, Reading Text, Writing, Thinking, Document Use, Digital.

Top Essential Skills for Industrial Mechanic Millwright: Document Use, Numeracy, Thinking: Critical Thinking

FOR MORE INFORMATION PLEASE CONTACT:

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