28th ANNUAL SKILLS MANITOBA COMPETITION
April 9, 2026
CONTEST DESCRIPTION

CONTEST NAME: Web Technologies

CONTEST NO: 17

LEVEL: Secondary and Post-secondary

MAXIMUM NUMBER OF COMPETITORS: 6 Secondary, 6 Post-secondary

CONTEST LOCATION: Manitoba Institute of Trades & Technology Henlow Campus
130 Henlow Bay, Winnipeg, MB   Room# TBD

CONTEST START TIME AND DURATION: (Competition Total 5.25 hours)

Time	Task Description
7:45 am - 8:00 am	Arrival and Setup
8:00 am - 8:15 am	Contest Orientation
8:15 am - 11:30 am	Competition 3.25 hours
11:30 am - 12:00 pm	Lunch (bag lunch provided or bring your own)
12:00 pm - 2:00 pm	Competition 2 hours
2:00 pm - 3:00 pm	Judging (laptops need to be picked up at approx. 3pm)
3:30 pm	Medal Ceremony RRC Polytech Notre Dame Campus South Gym

PURPOSE OF CHALLENGE:
To provide competitors with the opportunity to demonstrate, through practical application, their skills in client and server-side web technologies.

DESIGN BRIEF:
Competitors and coaches/supervisors will have access to a previous competition scope document provided on the Skills Manitoba competition web site. The current competition scope will be released during the introduction at the start of the competition. All work is to be created onsite. You can use the internet for research but not for downloading files or code or to communicate with any outside person unless it is an emergency. Competitors are not permitted to communicate with your coach during the competition hours. Judging may take place on competitor's device and can be retrieved when all judging is complete.

SKILLS AND KNOWLEDGE TO BE TESTED:

- Web Graphics and Visual Design
- Responsive Web Design and Development
- HTML and CSS
- Client-side Programming using JavaScript and/or jQuery
- Server-side Programming (PHP) and Database (SQL) Integration

POINT BREAKDOWN / 100 TOTAL:

Visual Design	**20**
Responsive layouts for stated breakpoints	15
Content quality and relevance of content	5
Frontend Development	**30**
HTML and CSS implementation	15
JavaScript and/or jQuery front-end scripting	15
Backend Development	**35**
PHP server-side scripting	20
Database administration & integration	15
Project Management	**15**
Following directions, organization and naming conventions, adherence to coding standards and accessibility guidelines, and basic security considerations	10
Total	**100**

NATIONAL COMPETITION ELIGIBILITY:

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

EQUIPMENT, TOOLS, MATERIALS TO BE PROVIDED BY COMMITTEE:

- A computer lab with a desk, chair and blank white paper for notes, etc.
- WIFI internet connectivity
- External display with HDMI cable (may be available)
- Competition resources for download possibly from a cloud directory or external drive

EQUIPMENT, TOOLS, MATERIALS TO BE SUPPLIED BY COMPETITOR:

- Competition will be BYOD, (Bring Your Own Device for each competitor.) No personal computer equipment will be supplied. HDMI adapter, if required
- Laptop with power adapter, WIFI enabled and unlocked for judging
- XAMPP or equivalent localhost server installed and configured
- IDE or editor of your choice to work on HTML, CSS, JS, PHP files
- Image editing program such as Adobe Photoshop or alternative such as GIMP
- Ability to export to PDF format

- Optional - mouse and external keyboard, pen or pencil
- May bring headphones and music device such as a phone in Airplane mode
- Dressed in business casual attire

WORKSITE SAFETY RULES / REQUIREMENTS:

No personal protective equipment required.

FAQ:

How much time do I have?
During the 5.25-hour competition, all tasks must be completed by the stipulated time in the project brief.

Can I use my own files?
Competitors are not permitted to bring their own files or resources for use during the competition.

Can I use the internet as a resource?
Competitors can use the internet for general reference during the competition but may not receive online coaching, use of artificial intelligence (such as generative AI) or use online assets or code.

Can I use my cell phone during the competition?
During the competition, you may use your cell only for listening to music or in case of an emergency.

Do I need to stay in the competition area the whole time?
Yes, during the competition hours all competitors must remain within the proximity of the competition area, as specified by the Provincial Technical Committee.

Can I communicate with my coaches, friends, and family during the competition?
Communication with non-competitors is not permitted during the competition through any means. (i.e. talking, cell phones, chat, email). You may communicate during the lunch break.

THE IMPORTANCE OF SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY:

In response to the evolving labour market and changing skill needs, the Government of Canada has launched the new Skills for Success (former Essential Skills) model defining nine key skills needed by Canadians to participate in work, in education and training, and in modern society more broadly. SCC is currently working with Employment and Social Development Canada (ESDC) to bring awareness of the importance of these skills that are absolutely crucial for success in Trade and Technology careers. Part of this ongoing initiative requires the integration and identification of the Skills for Success in contest descriptions, projects, and project documents. The following 9 skills have been identified and validated as key skills for success for the workplace: 1.Numeracy, 2.Communication, 3.Collaboration, 4.Adaptability, 5.Reading, 6.Writing, 7.Problem Solving, 8.Creativity and Innovation, 9.Digital

TECHNICAL COMMITTEE MEMBERS:

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Vacant (Secondary)
Please inquire if interested in volunteering.