2023
25th ANNUAL SKILLS MANITOBA COMPETITION
CONTEST DESCRIPTION

CONTEST NAME: Web Technologies

CONTEST NO: 17

LEVEL: Secondary and Post-secondary

Maximum Number of Competitors: 8 per level

CONTEST LOCATION:
RRC Polytech - Room TBA

CONTEST START TIME AND DURATION:

Time	Task
8:00 am - 11:00 pm	Competition 3 hours
11:00 pm - 11:30 pm	*Lunch (provided)*
11:30 pm - 2:30 pm	Competition 3 hours
2:30 pm -3:30 pm	*Judging*

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 will take place on competitor's device and can be retrieved when all judging is complete.

SKILLS AND KNOWLEDGE TO BE TESTED:
- Graphics for the web
- Web design principles
- HTML
- CSS
- JavaScript, jQuery
- PHP and MariaDB in a XAMPP environment

POINT BREAKDOWN / 100 TOTAL:

Visual Design	
Static Page Layouts	15
Content	15
Frontend Development	
HTML / CSS	15
JavaScript / jQuery	15
Backend Development	
PHP Server-side Scripting	15
Database Structure with Create and Read Functionality	15
Project Management	
Organization and Naming of Files, Folders, Fields and Tables	10
Total	**100**

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:
- A computer lab with a desk, chair and blank white paper for notes, etc.
- WIFI internet connectivity
- 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
- Laptop with power adapter, WIFI enabled and unlocked for judging
- XAMPP server installation and configured
- IDE or editor of your choice to work on HTML, CSS, JS, PHP files
- Image editing program such as Adobe Photoshop/GIMP
- Pen or pencil
- Optional mouse and external keyboard
- 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 6-hour competition, all tasks must be completed by the end of the competition.

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 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 as an emergency resource.

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 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. cell phones, text, email)

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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