

## *Contest Description*

<b>COMPETITION DATE:</b> Saturday, November 26, 2022	<b>CONTEST AREA NAME:</b> Web Technologies
<b>CONTEST AREA NUMBER:</b> 17	<b>LEVEL:</b> Intermediate Level
<b>DURATION OF CONTEST:</b> 3-hours	<b>LOCATION:</b> CNA Prince Philip Drive Campus

### CONTEST INTRODUCTION

#### **Purpose of the Challenge.**

We rely on web sites and online applications to find information, educate and learn, connect with friends and family, and to entertain us. Web Technologies includes the creation of web sites and Internet applications that provide us with all of those benefits and more. Information Technology (IT) professionals and specialists are in great demand, and web technologies have become an increasingly important skill with exciting opportunities for careers in many fields.

The purpose of this challenge is to provide an opportunity for students to work together to demonstrate their knowledge and skills in the area of website development.

#### **Skills and Knowledge to be tested**

This competition will test the team's knowledge and skills on the following:

- Graphics for the web
- Web design principles
  - Colours, typography, structure, etc.
- Website development using HTML and CSS

### CONTEST DESCRIPTION

The Web Development contest will present a team of two students with a requirement to develop a website for a fictitious business/organization. The contest will include the creation of graphics, the manipulation of provided images, and the design of a small web site. The completed design will need to be developed using HTML and CSS to be viewed and tested in a web browser.

List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
All other docs will be released on day of competition	

### Tasks that may be performed during the contest

- Images
  - Graphics/Images - Create, edit, and optimize graphics and/or images for the web
- Web Design and Development
  - Design a website
  - Create a website using Hypertext Markup Language (HTML)
  - Style the website using Cascading Style Sheets (CSS)
    - Including colors, fonts/typography, and imagery

### EQUIPMENT, MATERIAL, CLOTHING

Equipment and Material supplied by Skills Canada-Newfoundland and Labrador

- Computer workstation running:
  - Microsoft Windows
  - Google Chrome
  - The Gimp (Photo Editing)
  - A variety of HTML Editors, including:
    - KompoZer
    - BlueGriffon
    - Amaya
    - Netbeans
    - VSCode
- Ergonomic chair

**NOTE: A wide range of software is provided so that most competitors will have comfort with at least several of the tools. It is not required that competitors know how to use all software! You should be familiar with at least one graphic/photo editor and one HTML editor for the contest. If you would like to use a particular piece of software that is not listed, please let the committee know as soon as possible, and we will try to accommodate your request.**

Equipment and Material Competitor must supply:

- Headphones and music playing device (e.g. smartphone) if desired

Required clothing (Provided by competitor)

- N/A

The health, safety and welfare of all individuals involved with Skills Canada NL are of vital importance. Safety is a condition of participation and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

## EVALUATION/JUDGING CRITERIA

POINT BREAKDOWN	/1000
Graphic design	500
HTML/CSS Development	500

## ADDITIONAL INFORMATION

Tie (No ties are allowed)

In case of a situation in which the competitors are tied in total competition points, subjective marks will be removed and objective marks will be totaled to break the tie. If there is a tie on the total objective points then design-related objective points will be removed and development-related objective points will be totaled to break the tie.

Competition Rules- Please refer to the competition rules for all general SCPC information.

## PROVINCIAL TECHNICAL COMMITTEE MEMBERS

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