**2017 PROVINCIAL SKILLS CANADA COMPETITION**

**Contest Description**

Edmonton Expo Centre, Edmonton
May 10 & 11, 2017

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| **EVENT:** Website Development | **LEVEL:** Secondary |
| **WORLDSKILLS TRADE #:** 17 | **LOCATION:** Hall B, Edmonton Expo Centre, Edmonton |
| **DURATION:** 12.25 Hours | **REGIONALIZED:** No |

**COMPETITION SCHEDULE:**

**May 10:**

| *ORIENTATION* | 7:45AM-8:00AM |
|---|---|
| COMPETITION | 8:00AM-12:00AM |
| LUNCH | 12:00AM-1:00PM |
| COMPETITION | 1:00PM-4:30PM |

**May 11:**

| *COMPETITION* | 7:30AM-12:00PM |
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**CONTEST INTRODUCTION**

**Purpose of the Challenge:**

To provide an opportunity for students to demonstrate their ability to design a dynamic and aesthetically pleasing website.

**SKILLS AND KNOWLEDGE TO BE TESTED:**
- Ability to develop web pages / a web site on a fictional scenario that is outlined below.
- Some features that competitors may include on their web pages are: menus, graphics, forms, email, tables, styles, internal and external links, and bullets.
- The majority of the site theme needs to be built using HTML5. Presentation formatting should be done with CSS.
- A proper planning process must be presented on paper (storyboard / flowchart).
- Websites should be functional and visually pleasing in various screen resolutions.
- Site should be easy to maintain and user friendly.
- Cross browser compatibility between latest versions of Firefox, Chrome, Edge, and Internet Explorer will be tested.
- Software will be given to test your site locally.
- All final project media must be uploaded to the server for testing and grading. (Instructions will be given)  Software will be given to test locally as well.

**Optional elements worth 20% of total mark:**

- Use of a database
- Server side script
- Client side script
- Animation

Look to the appendices at the end of this document for various examples of these items.

**PROJECT DESCRIPTION**

The students will be responsible for creating a website for a fictional small business storefront / online sales website.  The business sells a small number of specialized products.

The student is to take the perspective of them developing a site for a customer.  These are the pages the customer requires:

- Home / Splash page
- Product Listings
- Product Detail Pages
- News
- Staff
- Contact Information, Request for Information

All of this information on the site must be tied together using a menu and web design.  A number of images will be provided as a starting baseline.

**EQUIPMENT & MATERIALS**

**Equipment and Materials Competitors Must Supply:**

Appropriate materials for planning (i.e.: paper, pen, & ruler).

**Equipment and Materials Supplied by the Committee (per participant):**

Hardware:
- Windows based computer with monitor and mouse.  Specs not available at this time.

Software:
- Base System
  - Windows 7 (Or Windows 10)

- o MS Office
- Text Editors / Design Tools (competitors have the choice of these tools)
    - o Dreamweaver
    - o HTML Kit
    - o Notepad++
    - o Editplus
    - o UltraEdit
    - o Textpad
    - o Metapad
    - o PHP Designer
    - o Vim Colour Editor
- Graphics
    - o Adobe Creative Suite
    - o Flash
    - o Fireworks
    - o Paintshop Pro
    - o GIMP
- Testing
    - o Firefox, Chrome and Internet Explorer (or Edge depending on OS)
    - o HTML5 Validation Tool
    - o CSS Validation Tool
- Server Based Applications
    - XAMPP (installed locally)
        - o Apache
        - o PHP
        - o MySQL database
        - o phpMyAdmin
        - o PuTTY
        - o PHP / MySQL Reference from their respective sites will be available on the workstations

\* Registered Global Variables will be off for the PHP server.
\* Provincial Competition's software is in line with the National Competition's server and client side software.
\* We do not guarantee software versions.

**JUDGING CRITERIA**

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| • Storyboard/Visual/Design | *35%* |
| • Technical elements | *35%* |
| • Optional Elements (Choose one or more) | *20%* |
| • Presentation | *10%* |
| *Overall Total* | *100%* |