

# 2021 PROVINCIAL SKILLS CANADA COMPETITION



## CONTEST DESCRIPTION

<b>CONTEST AREA: WEBSITE DESIGN AND DEVELOPMENT</b>		<b>LEVEL:</b> Secondary										
<b>COMPETITION DATE:</b> <u>WEDNESDAY, APRIL 14, 2021</u> <b>COMPETITION SCHEDULE:</b> <table border="1"> <tr> <td>Registration</td> <td>7:45-8:00AM</td> </tr> <tr> <td>Orientation</td> <td>8:00-8:15AM</td> </tr> <tr> <td>Competition</td> <td>8:15AM-12:00PM</td> </tr> <tr> <td>Lunch</td> <td>12:00-12:30PM</td> </tr> <tr> <td>Competition</td> <td>12:30-4:30PM</td> </tr> </table>		Registration	7:45-8:00AM	Orientation	8:00-8:15AM	Competition	8:15AM-12:00PM	Lunch	12:00-12:30PM	Competition	12:30-4:30PM	<b>LOCATION:</b> COMPETITOR'S SCHOOL. SEE <b>COMPETITION FORMAT INFORMATION BELOW</b>
Registration	7:45-8:00AM											
Orientation	8:00-8:15AM											
Competition	8:15AM-12:00PM											
Lunch	12:00-12:30PM											
Competition	12:30-4:30PM											
<b>DURATION:</b> 6 HOURS, 45 MINTUES		<b>REGIONALIZED:</b> NO										
<b>COMPETITION FORMAT: (VIRTUAL/ IN SCHOOL)</b> <p>All secondary competitors will be competing with in their school environment and must arrange in advance with a teacher for a safe competition location, according to their school's Covid-19 safety policies. They will need to prepare their competition space with all of the required tools, equipment, materials, and technology (as listed below) that will be needed to complete the competition. Teachers and competitors will need to work together to ensure the competitor is ready for success on their competition day.</p> <p>Each competitor must have a teacher/ supervisor available throughout the day, in case of incident. (Teacher/Supervisor must be present at the competition orientation.)</p> <p>Competitors and Teachers should be prepared to receive additional information about the competition projects, livestreams, shipping, etc. prior to the competition. Please ensure you are double checking for emails from Skills, including checking junk mail.</p>												
<b>WEBEX LIVESTREAMS:</b> <p><b>Competition Orientation:</b> The competition will begin with a virtual orientation. Competitors will join the assigned videoconference link that will be emailed to all registered competitors for the competition orientation. Camera's <b>MUST</b> be on and competitors visible on the camera during the orientation.</p>												
<b>SAFETY:</b> <p>The health, safety and welfare of all individuals involved with Skills Canada Alberta are of vital importance. Safety is a condition of participation with Skills Canada Alberta 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.</p>												

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**Safety Checklist:** It is the responsibility of each competitor and teacher to review the Safety Checklist (<https://skillsalberta.com/additional-2021-competition-resources/>) in advance of the competition and ensure they are able to meet all safety requirements. During the orientation, the safety checklist will be formally reviewed.

**AWARDS CEREMONY INFORMATION:** Please join us for a live virtual awards ceremony on May 13<sup>th</sup> at 6:30PM.

**Please note:** This document is subject to change as competition information is updated. Competitors are responsible for staying up to date with the most recent information. Check the footer for last updated date. Changes will be highlighted in yellow.

## CONTEST INTRODUCTION

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 choose to include on their web pages are: menus, graphics, forms, tables, styles, meta tags, and links.
- The majority of the site theme needs to be built using HTML5. Presentation formatting should be done with CSS. Basic JavaScript i.e. form validation is highly recommended.
- 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, and Edge.
- All final project media must be uploaded to the server via an FTP client for testing and grading. (FTP instructions will be given but it is encouraged that students practice / have a general knowledge of this technology beforehand) Please ensure your BYOD has the appropriate client, i.e. FileZilla, for your upload method. Troubleshooting help will be given for FTP.

## PROJECT DESCRIPTION

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

- Home / Splash page
- Store Front with Reviews / Testimonials
- Customer Support / Request for Information
- About Us

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All of the information on the site must be tied together using a menu and web design. A number of images, text content and products from the customer will be provided. The website will be for one of the following companies below, the specific project details will identify which company it actually is on the date of the competition.

- Clothing Retailer
- Small Construction Company
- Landscaping Company
- Public Composting Facility

## **SUBMISSION REQUIREMENTS**

The event will be such that the server you are building your website on, will also count as your submission. FTP access will be turned off promptly at 4pm on the last day of the competition so ensure your website is fully posted and running as you expected it to run.

To help with this submission we advise posting your website a few different times / day to test and to make sure your website is functioning as you intended.

## **EQUIPMENT & MATERIALS**

### **Skills Canada Alberta Provided Tools, Materials, and Equipment**

Server (Linux OS) which the websites will be posted to using FTP, the server will be running software to support:

- PHP 7.3
- MySQL 8
- phpMyAdmin
- FTP server
- NGINX

**Competitors will receive an email in advance of the competition with instructions on how to access the server.**

### **Competitor Provided Tools, Materials, and Equipment\***

Computer / workstation with relevant software installed to help them create the website / graphics they need.

\*Competitors and schools will need to work together to arrange for the tools, equipment, and materials provided by the competitor. If a competitor and/or school is not able to procure a certain item, please contact [mikes@skillsalberta.com](mailto:mikes@skillsalberta.com) to inquire if additional arrangements can be made.

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## VIRTUAL COMPETITION RESOURCE SUPPORT FORM

A \$40 competition resource subsidy is available to all competitors. It is intended for items that were purchased to support competitors (e.g. food supplies, materials, technical equipment, tools, etc.). The form can be accessed at the following link: <https://skillsalberta.com/additional-2021-competition-resources/>

## JUDGING CRITERIA

• Storyboard/Visual/Design	35%
• Technical elements	35%
• Optional Elements (Choose one or more, look to Appendix below)	20%
• Presentation	10%
<hr/>	
<b>Overall Total</b>	<b>100%</b>

## CLOTHING REQUIREMENT

Appropriate work clothing must be worn to compete. All clothing must be neat and clean, and free of rips and tears. Casual wear such as shorts and open toed shoes/sandals will not be permitted. No loose-fitting clothes or jewelry.

## RELATED CAREER AND TECHNOLOGY STUDIES COURSES

Descriptions of all modules are located at the following website:  
<https://education.alberta.ca/career-and-technology-studies/programs-of-study/>

### Career and Technology Studies

- Business, Administration, Finance & Information Technology (BIT)
- Media, Design & Communication Arts (MDC)
- Career Transitions (CTR)

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## ADDITIONAL INFORMATION

Skills Canada Alberta Regional and Provincial Rules and Regulations  
[Regional and Provincial Rules and Regulations](#)

### Competitor Registration

Competition Registration will open online at <https://portal.skillsalberta.com/> on January 12, 2021 at 8:30AM for the Regional Skills Canada Competition and on January 14, 2021 at 8:30 AM for the Provincial Skills Canada Competition (PSCC)

### Lunch

Lunch will be provided by Skills Canada Alberta

### Virtual Awards Ceremony

The Virtual Awards Ceremony will take place **Thursday, May 13<sup>th</sup> at 6:30PM**. A link will be made available on the website with additional information.

### Team Alberta Information

Team Alberta will be selected from competition Gold medalists who will then be eligible to participate at the Skills Canada National Competition (SCNC) in a virtual format May 25-30, 2021. It is recommended that competitors review the SCNC contest description to be familiar with the national contest description and project at <http://www.skillsCanada.com/>.

### Ethical Conduct

We recognize that participants will be competing individually in their own unique environments. We expect all competitors to compete fairly, respecting and abiding by the established rules in the true spirit of Skills Canada Alberta.

### Letter of Participation

Competitors who participate in the 2021 Provincial Skills Canada Competition are eligible for a Letter of Participation that can be downloaded on the Registration Portal after the competition ends.

## COMMITTEE MEMBERS

Brad Frere (Chair) <a href="mailto:bradfrere@lostdogdev.com">bradfrere@lostdogdev.com</a>	Lost Dog Developments Inc.
Matt Waggoner	DevFacto
Richard Fullbrook	
Travis Ralston	Matrix.org

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## APPENDIX Optional Elements

### Frameworks / Libraries

#### WordPress

<http://www.wordpress.com>

<https://en-ca.wordpress.org/download/>

#### AngularJS

<https://angularjs.org/>

#### Bootstrap

<http://getbootstrap.com/>

#### jQuery

<https://www.w3schools.com/jquery/default.asp>

#### Others

<https://www.awwwards.com/what-are-frameworks-22-best-responsive-css-frameworks-for-web-design.html>

### Databases

#### MySQL

<https://www.mysql.com/>

### Server-side script

#### PHP

<https://www.w3schools.com/php/default.asp>

#### SQL

<https://www.w3schools.com/sql/default.asp>