



## Contest Description

Edmonton Expo Centre, Edmonton

May 3 & May 4, 2023

<b>EVENT:</b> Car Painting	<b>LEVEL:</b> Post-Secondary																																				
<b>WORLDSKILLS TRADE #:</b> 36	<b>LOCATION:</b> Hall C, Edmonton Expo Centre, Edmonton																																				
<b>DURATION:</b> 14 Hours (Two Days)																																					
<b>COMPETITION SCHEDULE:</b> <b><u>May 3</u></b> <table border="1"> <tr><td>COMPETITION ORIENTATION</td><td>8:15AM</td></tr> <tr><td>COMPETITION BEGINS</td><td>9:00AM</td></tr> <tr><td>BREAK</td><td>10:00AM</td></tr> <tr><td>RESUME COMPETITION</td><td>10:15AM</td></tr> <tr><td>LUNCH BREAK</td><td>12:00PM</td></tr> <tr><td>RESUME PROJECT</td><td>1:00PM</td></tr> <tr><td>BREAK</td><td>2:00PM</td></tr> <tr><td>RESUME PROJECT</td><td>2:15PM</td></tr> <tr><td>COMPLETION OF DAY 1</td><td>4:00PM</td></tr> </table>	COMPETITION ORIENTATION	8:15AM	COMPETITION BEGINS	9:00AM	BREAK	10:00AM	RESUME COMPETITION	10:15AM	LUNCH BREAK	12:00PM	RESUME PROJECT	1:00PM	BREAK	2:00PM	RESUME PROJECT	2:15PM	COMPLETION OF DAY 1	4:00PM	<b><u>May 4</u></b> <table border="1"> <tr><td>COMPETITION ORIENTATION</td><td>8:15AM</td></tr> <tr><td>COMPETITION BEGINS</td><td>8:30AM</td></tr> <tr><td>BREAK</td><td>10:00AM</td></tr> <tr><td>RESUME COMPETITION</td><td>10:15AM</td></tr> <tr><td>LUNCH BREAK</td><td>12:00PM</td></tr> <tr><td>RESUME PROJECT</td><td>1:00PM</td></tr> <tr><td>BREAK</td><td>2:00PM</td></tr> <tr><td>RESUME PROJECT</td><td>2:15PM</td></tr> <tr><td>COMPLETION OF DAY 2</td><td>4:00PM</td></tr> </table>	COMPETITION ORIENTATION	8:15AM	COMPETITION BEGINS	8:30AM	BREAK	10:00AM	RESUME COMPETITION	10:15AM	LUNCH BREAK	12:00PM	RESUME PROJECT	1:00PM	BREAK	2:00PM	RESUME PROJECT	2:15PM	COMPLETION OF DAY 2	4:00PM
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### Note:

- Competitors must wear supplied identification Tags/Badges
- Competitors must not speak to spectators, other competitors, teachers, or advisers during competition.
- Competitors requiring clarification of instructions or questions during competition must seek it from a Provincial Technical Committee Member (PTC).
- Washroom breaks – committee member must escort competitor.
- I-Pods, cellular phones, or other electronic devices are not allowed in the competition area.

### CONTEST INTRODUCTION

To evaluate each competitor's comprehension of Car Painting terms and procedures, and their ability to perform these tasks in a safe and professional manner.



### Purpose of Challenge:

To test the competitor's competence at:

- Cleaning
- Surface Preparation
- Masking
- Undercoat Application
- Topcoat Application
- Polishing

### Pre-requisites:

- Cleaning Abilities
- Sanding Skills
- Masking Techniques
- Refinish Skills
- Polishing techniques

### SKILLS AND KNOWLEDGE TO BE TESTED

- **Cleaning:** To demonstrate proper cleaning techniques using proper cleaners.
- **Sanding:** To be able to featheredge, back sand, and scuff sand using industry standards
- **Masking:** Demonstrate masking techniques to protect areas from unwanted overspray without using excessive materials.
- **Polishing:** Demonstrate ability to remove defects from a refinished panel and polish clear coat to back to a high gloss finish.
- **Undercoat Application:** Be able to mix/catalyze undercoats, set-up a spray gun, and apply undercoat materials as per manufacturer's tech sheet.
- **Topcoat Application:** Be able to mix solvent and waterborne base coats, set-up a spray gun and apply as per manufacturer's technical data sheet.

### PROJECT DESCRIPTION(S)

Please see the detailed project information at the end of this document.

### SAFETY

Each competitor must:

- Wear CSA approved steel toed footwear (competitors responsibility)
- Wear coveralls (provided)
- Wear safety glasses (competitors responsibility)
- Wear dust respirator (provided)





- Wear cartridge respirator (provided)
- Wear gloves when necessary (solvents) (provided)
- Abide by all safety regulations
- Do not use compressed air to blow self-off

The use of I-Pods, cellular phones, or other electronic devices will not be allowed in the competition area.

#### Equipment and Materials Supplied by the Committee:

Non-allergenic Nitrile Gloves	Disposable painter's coveralls	Ear Plugs
Charcoal respirator	Fresh air respirator while spraying	
Spray guns	Particle masks	
The Provincial Committee will provide all the necessary tools, equipment, and materials for the competition.		

**Please note:** Competitors must use the tools provided by the committee. Personal air tools (other than the listed equipment) are not allowed in the event area.

#### Equipment and Materials Competitors Must Supply:

Safety glasses with side shield and brow bar	Safety footwear (CSA Approved)	
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### JUDGING INFORMATION

The contestants will be judged on specific project standards, as determined by industry acceptance, as well as the Provincial Technical Committee and judges.

### ADDITIONAL INFORMATION

#### Skills Canada Alberta Regional and Provincial Rules and Regulations

[Regional and Provincial Rules and Regulations](#)

#### Lunch

Lunch for competitors will be provided by Skills Canada Alberta.

#### Parking & Venue Maps

<http://edmontonexpocentre.com/attend/parking/>

#### Opening Ceremonies / On-site Provincial Competitor Registration





Opening Ceremonies for the PSCC will take place on Tuesday May 2, 2023 at 6:00 pm in Hall D of the Edmonton EXPO Centre. Admission is free, and everyone is welcome to attend. It is important to note that competitor registration will open immediately following the Opening Ceremony.

### Awards Ceremony

The Awards Ceremony will take place on Thursday May 4, 2023 at 6:30 pm in Hall D of the Edmonton EXPO Centre. Admission is free and everyone is welcome to attend. The Awards Ceremony will be shown live at <http://skillsalberta.com/>

### Team Alberta Information

Team Alberta will be selected at the PSCC Awards Ceremony. Gold medalists will then be eligible to participate at the Skills Canada National Competition (SCNC) on May 24- 27, 2023 in Winnipeg MB. 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/>.

During the PSCC Awards Ceremony on Thursday May 4, 2023 gold medalists will be given their Team Alberta information package and will confirm their participation in the SCNC. Students must be present at the Awards Ceremony to claim their position on Team Alberta. If the Gold medalist is not able to attend SCNC, the next top ranking individuals will be asked to participate. If a student is not able to attend the Awards Ceremony a letter confirming the student's interest in Team Alberta participation must be emailed to [javierad@skillsalberta.com](mailto:javierad@skillsalberta.com) prior to the start of competition on May 3, 2023.

Please prepare your students in advance to accept a position on Team Alberta and outline how your school will support their participation.

### COMMITTEE MEMBERS

Cecile Bukmeier (Chair)	Hannah Ganske	Jessica Anderson
Stephen Giordano	Dalton Litzenberger	Nicholas Chan
Shannon Paluch	Garret Weiss	

### Questions?

Please contact Kennedy Mayer at [kennedym@skillsalberta.com](mailto:kennedym@skillsalberta.com) if you have any questions regarding the Contest Description.

### PLEASE CONTINUE FOR DETAILED PROJECT INFORMATION





## PROJECT INFORMATION

### Prep Project

- You will fix and prepare a damaged panel for paint. You must choose a blendable match from the spray out cards provided.
- When you come to a **STOP**, you must call a judge to evaluate your progress before you move on to the next step.
- In the event of a tie, the winner will be determined by the time completing all projects combined.

Pick a fender and write your number on the back.

**STOP**

Evaluate spray out cards and select match. Give selection to a judge.

**STOP**

Repair damage, sand, and mask fender for spot prime.

**STOP**

Apply primer and prepare remainder of panel for paint application

Mask area for two tone to match display panel.

**STOP**



## Painting Project

- You will perform a spot repair and two-tone paint application on a vehicle panel.
- You must create colour evaluation card(s) during the painting process
- When you come to a **STOP**, you must call a judge to evaluate your progress before you move on to the next step.
- In the event of a tie, the winner will be determined by the time completing all projects combined.

Select fender and place in booth.

**STOP**

Mix basecoat as per manufacturer recommendations.

Create colour evaluation card(s).

Apply basecoat to repair area and two-tone area.

Clean gun in appropriate solvent.

**STOP**

Mix clear coat as per manufacturer recommendations.

Apply clear coat to entire panel.

Clean up area.

**STOP**



## Masking Project

- You will mask a fender, 2 doors and quarter panel.
- You must use the same masking materials shown on display picture for select areas.
- A minimum of 18" (45cm) barrier is required around the panels
- When you come to a **STOP**, you must call a judge to evaluate your progress before you move on to the next step.
- In the event of a tie, the winner will be determined by the time completing all projects combined.

Clean vehicle and mask panels to match display picture.

**ALL MASKING WASTE MUST BE KEPT IN COMPETITOR WASTE BIN**

**STOP**

Clean up area.





## Polishing Project

- You must remove all defects from the clear coat finish on the panel.
- You must apply a supplied decal to the completed panel matching the display panel.
- When you come to a **STOP**, you must call a judge to evaluate your progress before you move on to the next step.
- In the event of a tie, the winner will be determined by the time completing all projects combined.

Pick a hood and mask other half with 36" paper.

**STOP**

Remove clear coat defects and prepare hood for compound stage.

**STOP**

Compound and polish hood.

**STOP**

Clean up area. Apply decal.

**STOP**





### Paint Defect Analysis

- You must identify the defects on each panel and a recommended repair.
- In the event of a tie, the winner will be determined by the time completing all projects combined.

Identify the defects on each panel and record on provided worksheet.

Record a recommended repair for each defect.

Provide completed worksheet to judge.