



CONTEST DESCRIPTION

## **Car painting**

SECONDARY AND POST-SECONDARY

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## **1 THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY**

SCC is currently working with Employment and Social Development Canada (ESDC) in order to bring awareness to the importance of Essential Skills that are absolutely crucial for success in the workforce. Part of this ongoing initiative requires the integration and identification of Essential Skills in contest descriptions, projects, and project documents. The next phase and very important aspect of our Essential Skills (ES) initiative is to provide an ES report card to each competitor at the Skills Canada National Competition. The purpose of the ES report card is to inform the competitor about their current level of essential skills based on their competition scores. With this knowledge, the competitor will be made aware which essential skill may require improvement. Full implementation is expected in the next Skills Canada National Competition.

The following 9 skills have been identified and validated as key essential skills for the workplace in the legend below:

<sup>1</sup>Numeracy, <sup>2</sup>Oral Communication, <sup>3</sup>Working with Others, <sup>4</sup>Continuous Learning, <sup>5</sup>Reading Text, <sup>6</sup>Writing, <sup>7</sup>Thinking, <sup>8</sup>Document Use, <sup>9</sup>Digital

These essential skills have been identified in section 2.4 and/or 3.2 of your Contest Description and if applicable, in your Project and all other supporting project documents.

## **2 CONTEST INTRODUCTION**

### **2.1 Description of the associated work role(s) or occupation(s).**

<http://skillscompetencescanada.com/en/careers/transportation/car-painting/>

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

Perform refinishing and surface preparation procedures common in the collision industry on various substrates. Competitors will be evaluated on their comprehension of car painting terms, procedures and their ability to perform these tasks in a safe and professional manner.

### **2.3 Duration of contest.**

12 hours

## 2.4 Skills and Knowledge to be tested. (Top 3)

- Document Use
- Thinking
- Numeracy

## 3 CONTEST DESCRIPTION

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

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Product data sheets	May 2021
Project instruction sheets	November 2020

### 3.2 Tasks that may be performed during the contest

- Clean and prepare vehicle panels for paint application<sup>7</sup>
- Mix and apply undercoats and topcoats<sup>1</sup>
- Refinish various substrates<sup>7</sup>
- Perform minor damage repair<sup>7</sup>
- Prepare and refinish auto body panels<sup>7</sup>
- Remove surface paint defects<sup>7</sup>
- Colour matching utilizing paint manufacturer paint chips<sup>8</sup>
- Colour tint to a blendable match<sup>1</sup>
- Create a colour without formula<sup>7</sup>
- Masking for refinish<sup>7</sup>
- Decal/paint protection film application<sup>7</sup>

*Essential Skills – <sup>1</sup>Numeracy, <sup>7</sup>Thinking (Problem Solving, Job Task Planning & Organizing, Critical Thinking), <sup>8</sup>Document Use*

## 4 EQUIPMENT, MATERIAL, CLOTHING

### 4.1 Equipment and material provided by Skills/Compétences Canada

- Waterborne and solvent technology from (to be announced), will be used for this competition. All clear coat and single stage products will be low V.O.C.
- SATA spray guns (undercoat and topcoat)
- Electric polisher
- Work tables and stands
- Protective equipment other than personal protective gear (PPE)
- SATA fresh air supplied respirators
- Paint suits
- Environmental controls
- Sanding equipment, blocks and palm sanders
- 3M automotive products for automotive repair and refinish

**COMPETITORS WILL BE REQUIRED TO USE THE MATERIAL AND EQUIPMENT PROVIDED BY SCC. ALL OTHER MATERIAL AND EQUIPMENT WILL BE REMOVED FROM THE SKILL AREA.**

### 4.2 Equipment and material provided by the competitor

- Half mask respirator: organic vapour, with documentation of valid fit-test pass (must be clean shaven to compete)

#### 4.2.1 Toolboxes Guidelines

One of the objectives of SCC is the sustainability of the Competition. As a result, the toolboxes brought by Competitors will be restricted to the items in section 4.2 only. There is no exception to this rule. If the Competitor brings other tools, they will be removed and will not be used during the competition.

### 4.3 Required clothing provided by the competitor.

- See point 5.3

## 5 SAFETY REQUIREMENTS

### 5.1 Safety workshop

Upon arrival at the Skill area, Competitors will participate in a Safety workshop and they will be expected to work and maintain a safe working area during the competition. Any Competitor breaking any health, safety and environmental rules, may be subject to penalty and disqualification from the competition.

### 5.2 Personal protective equipment (PPE) provide by Skills/Compétences Canada

- Hearing protection
- Fresh air respiratory protection
- Hazardous spill kit
- Nitrile /latex gloves
- Lint-free paint suit

### 5.3 Personal protective equipment (PPE) provided by competitors

- CSA approved safety shoes
- Glasses with side shields
- Half mask respirator: organic vapour, with documentation of valid fit-test pass (must be clean shaven to compete)

## 6 ASSESSMENT

### 6.1 Point breakdown

POINT BREAKDOWN	/100
Paint & Masking Project – (Blending/Two-tone)	25
Polishing/chip protection film/decal project	20
Colour tinting projects 1, 2 & 3 (sprayout card)	25
Prepping/priming– minor damage repair	25
Applied Work Practices	5

## 7 CONTEST SPECIFIC RULES

Contest specific rules cannot contradict or take priority over the Competition Rules. They do provide specific details and clarity in areas that may vary from contest to contest. Any additional contest rules will be reviewed during competitor orientation.

TOPIC/TASK	CONTEST SPECIFIC RULE
Spray Booth	<ul style="list-style-type: none"> <li>• Fresh air supplied respirators must be worn by all competitors in the spray booth at all times</li> </ul>

## 8 ADDITIONAL INFORMATION

### 8.1 Interpreter

If a competitor requires the help of an interpreter once onsite during the competition, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service might not be guaranteed.

### 8.2 Ties

- Tiebreaker #1: The competitor with the highest score in the Paint & Masking criteria will be declared the winner.
- Tiebreaker #2: The competitor with the highest score in the Prepping/ Priming criteria will be declared the winner.
- Tiebreaker #3: The competitor with the highest score in the Polishing/ Chip Protection Film/Decal criteria will be declared the winner.

### 8.3 Test Project change at the Competition

Where the Test Project has been circulated to Competitors in advance, NTC shall change a minimum of 30% of the work content. Please refer to the Competition Rules.

### 8.4 Competition rules

Refer to the competition rules of the Skills Canada National Competition which can be found on our website.

## 9 NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name
Ontario	Catherine Mathewson
Nova Scotia – Co-Chair	Aaron Hebb
Manitoba	Derek Molinski
Québec	Nicolas Lefebvre
British Colombia	Mario Trettenero
Newfoundland and Labrador	Ryan Parsons
New Brunswick	Michel Plourde
Alberta – Chair	Cecile Bukmeier
Saskatchewan	Brayden Neufeld

Contact the Skills/Compétences Canada national secretariat for any questions or concerns: Nathalie Maisonneuve ([nathaliem@skillscanada.com](mailto:nathaliem@skillscanada.com)).