



CONTEST DESCRIPTION

Car Painting

SECONDARY and POST-SECONDARY

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1 THE SKILLS FOR SUCCESS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

In response to the evolving labour market and changing skill needs, the Government of Canada has launched the new Skills for Success (*former Essential Skills*) model defining nine key skills needed by Canadians to participate in work, in education and training, and in modern society more broadly. SCC is currently working with Employment and Social Development Canada (ESDC) to bring awareness of the importance of these skills that are crucial for success in Trade and Technology careers. Part of this ongoing initiative requires the integration and identification of the Skills for Success in contest descriptions, projects, and project documents. The next phase and very important aspect of our Skills for Success (SfS) initiative is to provide a *Skills Report Card* to each competitor at the Skills Canada National Competition. The purpose of the report card is to inform the competitor about their current level of nine identified Skills for Success based on their competition scores. With this knowledge, the competitor will be made aware which 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 skills for success for the workplace in the legend below:

¹Numeracy, ²Communication, ³Collaboration, ⁴Adaptability, ⁵Reading, ⁶Writing, ⁷Problem Solving, ⁸Creativity and Innovation, ⁹Digital

These Skills for Success have been identified in section 2.4 and/or 3.2 (to be completed by SCC) of your Contest Description and if applicable, in your Project and supporting documents.

2 CONTEST INTRODUCTION

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

https://www.skillscompetencescanada.com/en/skill_area/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.

- Reading
- Problem Solving
- Numeracy

Skills for Success - ¹Numeracy, ⁵Reading ⁷Problem Solving

3 CONTEST DESCRIPTION

3.1 List of documents produced and timeline for when competitors have access to the documents on the Skills/Compétences Canada website.

DOCUMENT	DATE OF DISTRIBUTION
Test project	December 2023
Paint material TDS links	Envirobase High Performand / Products / PPG Refinish

3.2 Tasks that may be performed during the contest.

- Clean and prepare vehicle panels for paint application⁷
- Mix and apply undercoats and topcoats¹
- Refinish various substrates⁷
- Perform minor damage repair⁷
- Prepare and refinish auto body panels⁷
- Remove surface paint defects⁷
- Colour matching utilizing paint manufacturer paint chips⁵
- Colour tint to a blendable match¹
- Create a colour without formula^{1,8}
- Masking for refinish
- Decal/paint protection film application

Skills for Success - ¹Numeracy, ⁵Reading ⁷Problem Solving, ⁸Creativity & Innovation

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 Required clothing provided by the competitor.

- CSA approved footwear

5 HEALTH AND SAFETY

5.1 Safety program

SCC has implemented a comprehensive safety program as health and safety is an integral part of our competitions. Our safety program includes guidelines and procedures to make the work environment in each skill area safer.

5.1.1 Safety manual

As part of our program a safety manual has been created to monitor and document health and safety within each skill area. It includes a definite plan of action designed to prevent accidents. The safety manual will be provided for every skill and these instructions must be followed and respected by all participants and officials at the SCNC.

5.1.2 Safety workshop

During orientation, 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 required to undertake a second safety workshop, this will not affect the Competitor's competition time.

5.2 List of required personal protective equipment (PPE) provided by Skills/Compétences Canada

- Fresh air supplied respirators
- Nitrile gloves
- Particulate respirators

5.3 List of required personal protective equipment (PPE) provided by the competitor.

- Safety glasses
- Half mask activated charcoal respirator:
 - Must be worn in all designated hazardous work areas.
 - Valid fit-test documentation is required. Must be provided to the NTC member **1 week** ahead of competition date for verification.
 - Must be clean shaven to use half mask respirator.
 - If competitor is not clean shaven, the competitor must supply their own PAPR (Powered-air purifying respirator) for use in all hazardous work areas.

Note: Competitors without required fit test or PAPR respirator will not be able to compete.

Note: Competitors who do not have the required protective equipment will not be allowed to participate in the competition.

6 ASSESSMENT

6.1 Point breakdown

Note: This list is subject to change.

TASKS	/100
Prepping and masking	25
Colour tinting projects 1, 2 & 3 (sprayout card)	20
Polishing/chip protection film/decal project	20
Paint Project	30
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 the competitor orientation.

TOPIC/TASK	CONTEST SPECIFIC RULE
Spray Booth	Fresh air supplied respirators must always be worn by all competitors in the spray booth

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 may 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 maximum 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
Nova Scotia	Aaron Hebb – Co-Chair
Quebec	Martin Albert
Ontario	Dan Chudy
Manitoba	Derek Molinski
Saskatchewan	Nicole Sheetka
Alberta	Cecile Bukmeier - Chair
British Columbia	Keith Mew
New Brunswick	Kevin Boudreau

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