



PROJECT
Car Painting
POST-SECONDARY

1 INTRODUCTION

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

2 DESCRIPTION OF PROJECT AND TASKS

2.1 PREPARATION PROJECT

You will be provided a part with minor damage and are required to repair, prime and prepare for paint application.

Directions:

- During task, you must show the judges your work between preparation steps.
- *Failure to show the judges your work between preparation steps may result in a loss of mark for that task.

Clean up your area

Time limit for this task: 2 hours maximum

2.2 PAINT / MASKING PROJECT

You will be required to complete 2 tasks in the time allotted.
You must manage your time accordingly.

Paint

- You will select the correct value shade sealer and apply over the prepared panel.
- You will apply the colour and clear coat according to the paint manufacturer's recommendations.
- A completed spray out card must be given to judge when project is completed.

Masking

- You will mask one side of the vehicle for topcoat paint application.
- ALL material used during the masking process must be deposited in your designated bin. Failure to do so will result in lost marks for that task.
- Panels that require refinishing are:
 - Front door
 - Rear door
 - Quarter panel

NO PARTS ARE TO BE REMOVED FROM VEHICLE FOR MASKING
NO RAZOR BLADES ARE ALLOWED TO BE USED ON THE VEHICLE (ANY
COMPETITOR WHO USES A RAZOR BLADE TO CUT MASKING MATERIALS ON
THE VEHICLE WILL RESULT IN A 0 FOR THIS TASK)

Clean up your area

Time limit for this task: 4 hours maximum



READING



NUMERACY



CREATIVITY & INNOVATION

2.3 BLEND PROJECT

The panel painted on Day 1 has received minor damage.
You must perform an acceptable blend repair on the panel.

Directions:

- Choose a suitable repair method for damaged panel. (blend repair)
 - You must apply colour and clear coat to the damage, and either re-clear the entire panel or perform a clearcoat blend.
 - During task, you must show judges your preparation steps.
- Time limit for this task: 3 hours maximum

2.4 POLISHING PROJECT

You must remove all surface defects from the paint of the panel you painted.
You will apply a supplied decal, matching dimensions provided.

Directions:

- *During polishing, you are required to ensure that the judges evaluate your work between steps following the manufacturer's recommended polishing process.
 - *Failure to show the judges your work between steps will result in a loss of marks for that task. *Clean up your area*
- Time limit for this task: 2 hours maximum

2.5 COLOUR EVALUATION PROJECT

Watch the colour plotting process video sent on Day 1 of competition.
You will complete the provided printed copies of the colour plotting exercise.
Upon completion, the worksheets must be scanned and submitted to NTC for judging.

Directions:

- When completed, the worksheets must be scanned and submitted to NTC for judging.
- Time limit for this task: 1 hour maximum