

# Lesson Plan (for educators)

## Automotive refinishing



### Lesson plan - 60 minutes

**AIM:**

Developing your spray gun application techniques for wet on wet primers, base coat and clear coat.

**ACTIVITY:**

Set-up your refinishing area ensuring you include the 4 key stages in your preparation prior to painting.

### Suitable for

Students undertaking Level 2 or 3 qualifications (or equivalent) in Paint/Refinishing Operations.

### Resources needed

1. Video & LMS access (link)
2. Task brief
3. Marking criteria/scheme
4. Infrastructure list
5. H&S checklist
6. Skill fact sheet (WSUK)
7. End of assessment quiz

### Skills

This module will look at, correctly setting up your spray equipment such as your spray gun, spray booth, setting air pressure (the correct way) and getting the fundamentals right before we start to spray. Once these are all set, prepare a new e-coated panel and refinish in wet-on-wet primer, basecoat and clear coat.

### Learning outcomes

After completing this activity learners will be able to:

- set-up the spray booth and spray gun knowing it will perform at its optimum performance
- experiment which spray gun method works best for them
- learn how to interpret data for the paint manufacturer's data sheet and follow correct procedures
- reduce the risk of external factors effecting the quality of their paint finish.

### Delivery modes

1. Students can go through the online materials independently – either at your facilities, if you have access to enough computers, or can go through the materials at home in their own time.
2. You can download and print all relevant resources, access the video demo, and deliver the activity in the classroom.

Section	Timings	Key teaching points
Lesson Plan	5 minutes	<ul style="list-style-type: none"> <li>• setting air pressure</li> <li>• setting up spray gun and essential checks</li> <li>• reading data sheets</li> <li>• spraying fundamentals</li> <li>• application techniques.</li> </ul>
Video OR photo demonstration (ensure descriptors are provided for each photo)	10 minutes	Get students thinking about getting the fundamentals right before spraying. This will eliminate so many variables that can go wrong when spraying and will limit the number of potential mishaps.
Task Brief (below)	10 minutes	<p>Familiarise students with the key steps to complete the set task.</p> <p>Steps:</p> <ul style="list-style-type: none"> <li>• watch video</li> <li>• set-up your own area/work station</li> <li>• go through gun set up advice</li> <li>• prepare a new e-coated panel</li> <li>• application of wet-on-wet primer, base coat and clear coat</li> <li>• practise various techniques (faster/closer-slower/further away)</li> <li>• establish the technique that works for you.</li> </ul>
Infrastructure and H&S checklist	10 minutes	<p>Ensure all equipment is ready to use.</p> <p>Ensure all H&amp;S checks are in place.</p> <p>Ensure you have all relevant data sheets.</p> <p>Ensure you wear all relevant PPE such as gloves, overalls, boots, respirators.</p>
Task Completion	10 minutes	Get students to complete the task by following the instructions on the task brief.
Marking Criteria	2 minutes	<p>Provide marking to the students and encourage learners to record their received marking on LMS.</p> <p>Find the marking scheme in the resource library of this module.</p>