



## Automotive Refinishing

### ELIGIBILITY

Open to active SkillsUSA members enrolled in programs with automotive refinishing technology as the occupational objective.

### CLOTHING REQUIREMENTS

Attire acceptable to your field of study (worn in your lab or place of employment) or Official SkillsUSA light blue work shirt and navy pants, black or brown leather work shoes, and safety glasses with side shields or goggles.

(Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)

*Note: At the district level if a student is not able to wear the official SkillsUSA attire he/she may wear an outfit that would be acceptable in their specific field of study. Please keep in mind that official SkillsUSA attire will be required at the state and national level.*

### EQUIPMENT AND MATERIALS SUPPLIED BY HOST

1. Supplied by the technical committee: Basic equipment of an automotive refinishing laboratory
2. New fender panel - unsanded e coat
3. Various grits of sandpaper
4. 6" DA sander pads
5. Abrasive sanding pads
6. Ultra-fine sandpaper
7. Sanding blocks
8. Wax & Grease remover
9. Cleaning towels
10. Nitrile gloves
11. Base Coat Color
12. Clear Coat
13. Paint strainers
14. PPG mixing cups
15. Wooden paint paddles
16. Tack cloths
17. 3/4" & 2" Masking tape
18. Razor blades
19. Cleaning thinner
20. PPG Deltron solvent basecoat
21. Shopline Polyurethane clear coat JC630

NOTE: The air fittings used at WMCTC for Refinishing are Milton 777 and 778.  
Air fittings for the paint booth will be provided.



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### **EQUIPMENT AND MATERIALS SUPPLIED BY CONTESTANT**

1. All students must have a one-page, typewritten resume.
2. Proof of Training - signed
3. 6" DA sander
4. Cartridge-type respirator (charcoal filtered)
5. Spray gun (HVLP) with paint cup
6. Air pressure gauge (Spray Gun)
7. Sanding pads
8. Sanding blocks
9. Students may bring any equipment they feel comfortable with using
10. Paint Suit

**Students who do not bring and wear their Personal Protective Equipment (safety glasses, respirator, work shoes, work shirt and work pants) WILL NOT be allowed to participate.**

### **SCOPE OF THE CONTEST - (DEFINED BY THE NATIONAL COMPETITION REGULATIONS)**

The contest is defined by the current industry technical standards. The contest is divided into four portions: a written ASE exam and a series of workstations. Contestants will demonstrate their abilities to perform tasks selected from the following list of competencies as determined by the SkillsUSA Championships technical committee.

*(District Competitions are meant to be a scaled down version of National Competition. It is important for the students to participate in a competition that will reflect a cross-section of the industry skills needed to prepare them for the state and national levels)*

### **KNOWLEDGE PERFORMANCE**

The contest will include a 20-question ASE style written exam on finishes, prepping, painting and safety.

### **SKILL PERFORMANCE**

The contest includes a series of workstations designed to assess skills in the following areas: color code locations & identification, surface preparation, spray gun operation and related equipment, paint mixing, matching and applying, solving paint application problems, finish defects, causes and cures and safety precautions.

### **Contest Guidelines**

1. Prepare a new fender for base coat/clear coat
2. Mix required solvent paint
3. Apply top coats
4. Identify vehicle paint code



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### Auto Refinishing Scoring Sheet

Items Evaluated	Possible Points	Contestant Points
Written Test	20	
Paint Code Location & Identification	45 total points	
	Vehicle ID code - 15 points	
	Location of Color Code on Vehicle - 15 points	
	Location of Color in Color Chip Book - 15 points	
Panel Preparation	75 total points	
	Proper Abrasive for application - 15 points	
	Proper Sanding Technique - 15 points	
	Safety Procedures - 15 points	
	Proper Use of Chemicals to clean/set - 15 points	
	Proper Solvent & Reduction of color/clear coats - 15 points	
Refinishing/Painting Evaluation	120 total points	
	Proper Use of Tack Cloth prior to color application - 15 points	



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	Knowledge of Flash Time - 15 points	
	Proper Tack Cloth between coats - 15 points	
	Proper application of color coats - 15 points	
	Proper application of clear coats - 15 points	
	Proper application of industry safety standards - 15 points	
	Overall appearance of product - 15 points	
	Clean up of workstation and equipment - 15 points	
Resume	30 total points	
	Present resume - 15 points	
	Resume neat/understandable - 15 points	
	Subtotal = 220	
Clothing Penalty	Dedication -10	
	<b>TOTAL</b>	

*Note: No cell phones or other electronic devices may be used at any time during a competition; this includes using a calculator function on a cell phone for competitions in which calculators are permitted.*

*Note: Scorecards should only be used as guidance. Changes may occur.*



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