

## SkillsUSA Maryland 2010 State Championship Automotive Refinishing Technology (ART) Contest Instructions

Dear ART Instructors:

This letter contains the information you and the competitors will need to know on the day of the SkillsUSA Maryland ART state competition.

On Friday, March 26, contestants are to report to the Collision Repair/Refinishing Department at The Center of Applied Technology North promptly at 3:00 p.m. Each competitor will be given 2 hours to complete their written testing and at 5:00 p.m. we will have a 15-minute familiarization in each area of the competition with each Segment leader giving an overall explanation of the areas of the Automotive Refinishing Technology competition. Competitors are encouraged to bring their tools to be stored at the contest site.

The Automotive Refinishing Technology (ART) hands-on portion of the competition will start promptly at 8:00 a.m. on Saturday, March 27. All competitors will report to the Automotive Refinishing Area at The Center of Applied Technology North.

There are six areas within the competition: (1)Color Tinting, (2)Featheredge, Prime and Block, (3)Paint ID and Masking, (4)Spot Repair, (5)Estimating, and an (6)Automotive Refinishing Knowledge Test. The Automotive Refinishing Knowledge Test and Estimating will be completed on Friday night after orientation. Each competitor will receive a number and they will have a number square in the Automotive Refinishing Area to put their toolboxes and equipment. After the competition begins there is to be no communication between the competitors and the visitors in the contest area as this will cause the competitor to be disqualified.

Each competitor will need a Milton short shank (M-Style #727 or #728) fitting for each air tool they are bringing. 6" Velcro-backed discs will be available for sanding operations so make sure DA sanders are equipped with Velcro style back-up pads. A full-face fresh air respirator will be supplied at the competition site, however each contestant should bring the appropriate wipes to clean the masks after using. The paint that will be used this year is Glasurit 55-Line basecoat/clear coat metallic paint.

During the Color Tinting Segment, each contestant must bring safety glasses, protective gloves, a paint suit and respirator. All competitors will need to adjust the paint to a blendable match for a repaired fender. Each competitor may bring any other tools or equipment they feel may be needed to complete the repairs.

During the Featheredge, Prime, and Block Segment each contestant must bring an HVLP spray gun with regulator *and HVLP air fittings*, protective gloves, safety glasses, and a paint suit. Each competitor will prepare a raw plastic bumper cover for paint. I can not stress enough the need to bring HVLP air fittings for the contestant's spray gun equipment.

During the Paint ID and Masking Segment, each contestant must bring safety glasses; other tools and equipment are optional. Each contestant will be locating the paint code and identifying the paint. Each contestant will be masking and unmasking part of a vehicle.

During the Spot Repair Segment, the contestant will repair a primed area and prepare the fender for blending using a metallic basecoat/clearcoat finish. Each contestant must bring an HVLP spray gun with regulator *and HVLP air fittings*, protective gloves, safety glasses, and a paint suit.

During the Automotive Refinishing Knowledge Test Segment, the contestant will answer a 50-question test on painting and refinishing theory. Each competitor must bring a number 2-pencil to fill in the scantron sheet and a calculator.

During the Estimating segment the contestant will need to prepare a damage report using a Crash Estimating Guide. They will be tested on their knowledge and application procedures found in a national estimating and reference guide. Each contestant must bring a clipboard and a calculator.

The competitors will be split into groups of two or three depending on the number of contestants. They will start in one of the four areas that are of the competition and rotate through each area. Each segment will last 1 hour 15 minutes, with 5 minutes between segments to get their materials for the next segment. The contestants will have 30 minutes for lunch. If a contestant finishes their segment early, they will need to go to their assigned square in the Automotive Refinishing Area.

If there are any questions concerning the competition, please feel free to contact me between the hours of 8:30 a.m. and 4:00 p.m. Monday through Friday. My number is: 410-944-3266 X 19.

Sincerely,

Chuck Lohrfink  
Automotive Refinishing Technology Contest Chair  
cc: Chuck Wallace