

SkillsUSA Maryland State Championship 2023 Automotive Refinishing Technology Contest Update

On **Friday, March 24, 2023, 3:00 pm**, Automotive Refinishing Technology (ART) contestants should report to the Collision Repair/Refinishing Department at the Center of Applied Technology North. ART competitors will complete written testing and estimating, and tour each area of the competition with respective segment leaders. Competitors are encouraged to bring their tools for a tool check to ensure they have what is needed to successfully complete day-two of the competition.

The ART competition continues on **Saturday, March 25, 2023, 8:00 am**. Competitors will report back to the Automotive Refinishing Area at The Center of Applied Technology North.

The ART “hands-on” part of the contest includes six (6) areas: 1-Color Tinting, 2-Featheredge, 3-Prime and Block, 4-Paint ID and Masking, 5-Spot Repair, 6-Estimating, and an ART knowledge test (knowledge Test and Estimating completed Friday). Each competitor will receive a number that corresponds to a numbered square in the Automotive Refinishing area, where tools and equipment can be stored and accessed. **After the competition begins no communication is allowed between competitors and visitors in the contest area, as this could cause disqualification of the competitor.**

Each competitor will need a Milton short shank adapter, and enough fittings for each tool they are bringing and HVLP fittings for their paint gun. A full-face fresh air respirator will be supplied at the competition site if needed, however, each contestant has the option to bring their own. The paint product being used is **BASF Glasurit 90-Line metallic basecoat** and **BASF Glasurit Low VOC clear coat**.

During the Color Tinting Segment, each contestant must supply/wear 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 regulators, protective gloves, safety glasses, and a paint suit. Each competitor will repair a scratch and prepare a painted plastic bumper cover for primer. Contestant will apply primer surface and level the primer after curing.

During the Paint ID and Masking Segment, each contestant must supply/wear 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 base coat/clear coat finish. Each contestant must bring an HVLP spray gun with regulators or regulated air, 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 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 supply a clipboard and 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 within the competition and rotate through each area. Each segment will last 1 hour and 15 minutes, with 5 minutes between segments to get their materials for the next segment. The contestants will have 30 minutes for lunch, which is provided. If a contestant finishes their segment early, they will go back to their assigned square in the Automotive Refinishing Area and wait for the next segment.

Best of luck to all competitors!