

Skills U.S.A. MAINE

AUTOMOTIVE REFINISH TECHNOLOGY

Thank you for your participation in the 2020 Maine Skills U.S.A. competition. We are sending a copy of the scope of the contest and general regulations to all participating and potential Auto Collision programs. If there are any questions or concerns, please call Fred Steeves (240-9084) or Steve Dyer (942-5296)

Clothing Requirement: Dark Blue “Dickie type” work pants, Skills USA light blue work shirt or equivalent, Leather work boots (Points may be deducted for canvas or Leather athletic shoes), Safety glasses with side shields or goggles. Prescription glasses may be used only if they have side shields. If not, they must be covered with approved goggles.

Written Test

The written test will be taken on line this year when the contestants take the P.D.P. Test. It is to be administered by a proctor and not their instructor. The test consists of 25, A.S.E. style and multiple choice questions. The test is a closed book style test. No notes or researching answers is permitted. Correct answers will be worth 4 points each, with a possible score of 100.

Estimate Writing Section

Contestant will be asked to write an estimate on a damage vehicle. Contestants will be rated on, but not limited to: Safety, Vehicle identification, Estimate written legibly, List of parts in logical sequence, Time involved in repairing, Parts and material cost, Estimate completion, Final figure, and Clean up.

Equipment and Materials

1. Supplied by technical committee
 - A. Collision damaged vehicle
 - B. Collision Estimating Guides
 - C. Blank Estimate sheets
2. Materials each contestant must bring
 - A. Clip Board
 - B. Pencils and scratch paper
 - C. Battery or solar powered calculator

Total number of points possible 100- Time limit 60 minutes

Painting Section

Contestant will need to prep an aftermarket fender, seal, and refinish with a base coat clear coat paint as instructed by judges. Contestants will be rated on, but not limited to: Safety, Surface Preparation, Product Application (sealer, basecoat, clear coat) Overall Spray Gun Operation, Final Appearance, and Clean up

Equipment and materials

1. Supplied by the technical committee
 - A. Basic equipment of an auto body and refinishing shop (air tools)
 - B. Materials for Painting section
 1. fenders to be refinished
 - C. materials and equipment for painting phase
 1. three paint guns: one gun to spray sealer, one to spray base coat, and one to spray clear coat to be used if contestant chooses. (guns may be gravity or siphon feed)
 - D. Solvent surface cleaning material
 - E. Lacquer and enamel thinners and reducers of various grades as needed
 - F. Scuff pads, Tack rags, sticks, strainers, and paddles etc.
 - G. Paint PPG, DEC (metallic, color undecided at this time) 870 reducer
 - H. Sealer PPG, DP-50. Gray (OR EQUIVILENT)
 - I. Clear coat PPG 2020 DF7 super
 - J. All sealers, base coats and clear coats will be premixed to save time.
2. Materials each contestant must bring
 - A. Paint suit
 - B. Nitrile gloves
 - C. Spray sock and paint goggles
 - D. Respirator for use in the paint room with new charcoal cartridges and filters.
 - E. Paint Spray gun/guns and regulator (NOT REQUIRED FOR THIS SECTION)
 - F. Wrenches to change fittings if needed

Total number of points possible 100- Time limit 60 minutes

Masking Section

Contestant will be asked to mask and tape various exterior trim panels, side molding, key lock , door handle, mirror, and door jambs. The objective will be to duplicate needed masking to refinish a door panel and fender that would need a spot repair. Contestants will be rated on, but not limited to: Safety, Panel preparation, Tape appearance, Paper appearance, Thoroughness, Overall appearance, and clean up

Equipment and Materials

1. Supplied by technical committee
 - A. Vehicle to be masked
 - B. Masking tapes and papers of various sizes
 - C. Cleaners, supplies etc.

2. Materials each contestant must bring
 - A. Nothing for this section

Total number of points possible 100- Time limit 60 minutes
(45 minutes to mask-15 minutes to clean up area)

TINTING SECTION

Student will be given a given amount of paint and then be asked to tint the paint to a blendable match comparing it to a painted panel.

Equipment and materials

1. Supplied by the technical committee
 - A. Pre-painted panels
 - Pre primed contestant panels
 - Test spray out panels
 - B. Materials for Tinting section
 1. Mis-matched paint
 2. Required tints and/or toners
 3. Tint reference material
 - C. Equipment for Tinting contest
 1. paint guns: one to spray base coat and one to spray clear coat.
To be used if contestant chooses (guns may be gravity or siphon feed)
 - D. Solvent surface cleaning material
 - E. Lacquer and enamel thinners and reducers of various grades as needed
 - F. Scuff pads, Tack rags, sticks, strainers, and paddles etc.
 - G. Paint (Dupont?) (metallic, color undecided at this time) I.

Clear coat

- J. Clear coat will be premixed in the spray gun to save time

2. Materials each contestant must bring

A. Paint suit

B. Nitrile gloves

C. Spray sock and paint goggles

D. Respirator for use in the paint room with new charcoal cartridges and filters.

E. Paint Spray gun/guns and regulator

F. Wrenches to change fittings if needed

Total number of points possible 100- Time limit 60 minutes

Contestants should be in the Auto Collision Shop at UTC no later than 7:30 am.
Please bring your toolbox at that time.

The Automotive Refinish contest is scheduled to end at 12:00pm.

All Automotive Refinish contestants will be expected to attend a debriefing from 12:00 to 12:30 at the competition area.

Please schedule transportation accordingly.