



# Automotive Refinishing



|                                  |  |                         |   |                   |                |                                  |           |                             |                 |          |            |
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| <b>Date</b>                      | Friday Feb 23, 2024  | <b>Orientation Time</b> | 8:00 a.m.<br>(CLOSED to instructors)                |                   |                |                                  |           |                             |                 |          |            |
| <b>Location</b>                  | Mahoning County Career & Tech Center<br>7300 N. Palmyra Rd<br>Canfield Ohio 44406  | <b>Contest Time</b>     | Immediately following orientation<br>(OPEN contest) |                   |                |                                  |           |                             |                 |          |            |
| <b>Scope of Contest</b>          | The competition includes a series of workstations. The overall appearance of the finished product, speed and proper safety practices will be judged.   |                         |   |                   |                |                                  |           |                             |                 |          |            |
| <b>Testing</b>                   | Yes  |                         |   |                   |                |                                  |           |                             |                 |          |            |
| <b>Eligibility</b>               | 2 contestants per school   |                         |   |                   |                |                                  |           |                             |                 |          |            |
| <b>Clothing</b>                  | Work Attire: Field specific work clothing required for the work environment or that matches the service conditions for the contest. This may include jeans if they are clean and professional looking and are accepted in the respective field (no holes or overly soiled pants). Work shoes or boots with a hard sole or anti-slip properties. Clothing should be as such that it will not get caught in moving equipment or power tools. School uniforms may be worn if they meet the above requirements with all identifiers covered.   |                         |   |                   |                |                                  |           |                             |                 |          |            |
| <b>Provided by Contestant</b>    | Professional Resumé – Typed Hardcopy<br>Emergency Medical Forms (Contestants must have this to compete)<br>Verification of Tool Training and Safety (See form on SkillsUSAOhio Website)<br><br>Tools:<br><br><p style="text-align: center;"><b>Air fitting male stem: Milton 727</b></p> <p style="text-align: center;"><b>Air fitting female stem: Milton 728</b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Air hose, 25 feet</td> <td style="width: 50%;">Sanding blocks</td> </tr> <tr> <td>Appropriate sand paper and disks</td> <td>Clipboard</td> </tr> <tr> <td>2 Spray guns and regulators</td> <td>Wet-sand bucket</td> </tr> <tr> <td>Blow gun</td> <td>Paint Suit</td> </tr> </table> |                         |   | Air hose, 25 feet | Sanding blocks | Appropriate sand paper and disks | Clipboard | 2 Spray guns and regulators | Wet-sand bucket | Blow gun | Paint Suit |
| Air hose, 25 feet                | Sanding blocks   |                         |   |                   |                |                                  |           |                             |                 |          |            |
| Appropriate sand paper and disks | Clipboard  |                         |   |                   |                |                                  |           |                             |                 |          |            |
| 2 Spray guns and regulators      | Wet-sand bucket  |                         |   |                   |                |                                  |           |                             |                 |          |            |
| Blow gun                         | Paint Suit   |                         |   |                   |                |                                  |           |                             |                 |          |            |

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|  | <p>Safety glasses</p> <p>Calculator</p> <p>Part stand</p> <p style="text-align: right;">Two #2 pencils (sharpened)</p> <p style="text-align: center;"><b><i>The 3M PPS Cups System will be available for the competition. Contestants wishing to utilize the system <u>MUST BRING THEIR OWN ADAPTORS!</u> (PPG Envirobase base coat will be used and Omni- MC clear 270, Omni hardener MH 276 and/or MH 277, will be used.</i></b></p> <p style="text-align: center;"><b><i>First generation adaptors only. Adaptor information may be found at <a href="http://www.3mcollision.com">www.3mcollision.com</a> (Using the 3M System is optional)</i></b></p> |
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| <p><b>Contest Standards</b></p> | <p><b>Contest Skilled Performance Standards</b></p> <p><b>ART 1.0</b> - Prepare a panel surface for a basecoat blend &amp; clearcoat application (full panel) in relationship to the Technical Data Sheet (TDS) supplied by the supporting paint manufacturer.</p> <p><b>ART 2.0</b> - Basecoat spot repair application in relationship to the Technical Data Sheet (TDS) supplied by the supporting paint manufacturer.</p> <p><b>ART 3.0</b> -Full panel clearcoat application in relationship to the Technical Data Sheet (TDS) supplied by the supporting paint manufacturer.</p> <p><b>ART 12.0</b> - Locate and document vehicle manufacturers' paint code application in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE Test)</p> <p><b>ART 14.0</b> - Appropriate masking techniques for refinishing fender and</p> | <p><b>Aligned ODEW Transportation Career Field Technical Content Standard Outcomes</b></p> <p><b>Outcome 6.5</b> Surface Preparation</p> <p><b>Outcome 6.5</b> Surface Preparation</p> <p><b>Outcome 6.6</b> Paint Preparation and Application</p> <p><b>Outcome 6.6</b> Paint Preparation and Application</p> <p><b>Outcome 6.5</b> Surface Preparation</p> |
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|  | <p>blending into adjacent panel (front door) application in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE Test)</p> <p><b>ART 19.0</b> — Demonstrate interview skills</p> | <p>Above Outcomes can be found in the following ODEW courses:<br/>177011 Collision Non-Structural Inspection and Repair<br/>177012 Collision Painting and Refinishing</p> |
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