

Student Name \_\_\_\_\_

High School or Vocational Center \_\_\_\_\_

### COMPETENCY RECORD FOR ARTICULATION

#### Baker College

Please check below each skill the student has mastered with a minimum of 80 percent accuracy or with an A or B grade.

#### ABT 101: PAINTING AND REFINISHING I

Task	Satisfactory	Unsatisfactory
A. Safety Precautions		
1. Identify and take necessary precautions with hazardous operations and materials according to federal, state, and local regulations.		
2. Identify safety and personal health hazards according to OSHA guidelines and the "Right to Know Law".		
3. Inspect spray environment and equipment to ensure compliance with federal, state and local regulations, and for safety and cleanliness hazards.		
4. Select and use a NIOSH approved air purifying respirator. Inspect condition and ensure fit and operation. Perform proper maintenance in accordance with OSHA Regulation 1910.134 and applicable state and local regulation.		
5. Select and use a NIOSH approved supplied air (Fresh Air Make-up) respirator system. Perform proper maintenance in accordance with OSHA Regulation 1910.134 and applicable state and local regulation. Select and use a NIOSH approved supplied air (Fresh Air Make-up)		
6. Select and use the proper personal safety equipment for surface preparation, spray gun and related equipment operation, paint mixing, matching and application, paint defects, and detailing (gloves, suits, hoods, eye and ear protection, etc.).		
<b>A1. Surface Preparation</b>		
7. Inspect, remove, store, and replace exterior trim and components necessary for proper surface preparation.		
8. Soap and water wash entire vehicle; use appropriate		

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cleaner to remove contaminants.		
9. Inspect and identify substrate, type of finish, surface condition, and film thickness; develop and document a plan for refinishing using a total product system.		
10. Strip paint to bare substrate (paint removal).		
11. Dry or wet sand areas to be refinished.		
12. Featheredge damaged areas to be refinished.		
13. Apply suitable metal treatment or primer in accordance with total product systems.		
14. Mask and protect other areas that will not be refinished.		
15. Mix primer, primer-surfacer or primer-sealer.		
16. Apply primer onto surface of repaired area.		
17. Apply two-component finishing filler to minor surface imperfections.		
18. Dry or wet sand area to which primer-surfacer has been applied.		
19. Dry sand area to which two-component finishing filler has been applied.		
20. Remove dust from area to be refinished, including cracks or moldings of adjacent areas.		
21. Clean area to be refinished using a final cleaning solution.		
22. Remove, with a tack rag, any dust or lint particles from the area to be refinished.		
23. Apply suitable sealer to the area being refinished.		
24. Scuff sand to remove nibs or imperfections from a sealer.		
25. Apply stone chip resistant coating.		
26. Restore corrosion-resistant coatings, caulking, and seam sealers to repaired areas.		
27. Prepare adjacent panels for blending.		
28. Identify aluminum parts to be refinished; determine the materials, preparation, and refinishing procedures.		
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<b>Task</b>	<b>Satisfactory</b>	<b>Unsatisfactory</b>
<b>A2. Spray Gun and Related Equipment Operation</b>		
30. Inspect, clean, and determine condition of spray guns and related equipment (air hoses, regulators, air lines, air source, and spray environment).		
31. Check and adjust spray gun operation for HVLP (high volume, low pressure) or compliant spray guns.		
32. Set-up (fluid needle, nozzle, and cap), test, and adjust spray gun using fluid, air, and pattern control valves.		
33. Demonstrate an understanding of the operation of pressure spray equipment.		
<b>B. Paint Mixing, Matching, and Applying</b>		
34. Shake, stir, reduce, catalyze/activate, and strain refinish materials.		
35. Apply single stage topcoat.		
36. Remove nibs or imperfections from basecoat.		
37. Identify poor hiding colors; determine necessary action.		
<b>C. Paint Defects - Causes and Cures</b>		
38. Identify overspray; determine the cause(s) and correct the condition.		
39. Identify poor adhesion; determine the cause(s) and correct the condition.		

Teacher signature \_\_\_\_\_ Date \_\_\_\_\_