Student's Name/Initials	1	Date	Teacher's Initials	Date

AUTOMOTIVE COLLISION REPAIR TECHNOLOGY Course Codes: 6020, 6021, 6022, and 6023

DIRECTIONS:

Evaluate the student using the applicable rating scales below and check the appropriate box to indicate the degree of competency. The ratings 3, 2, 1, and N are not intended to represent the traditional school grading system of

A, B, C, and D. The description associated with each of the ratings focuses on the level of student performance or cognition for each of the competencies listed

below.

1. Set up plasma cutter for cutting

automotive gauge sheet metal.

PERFORMANCE RATING

- 3 Skilled--can perform task independently with no supervision
- 2 Moderately skilled--can perform task completely with limited supervision
- 1 Limitedly skilled--requires instruction and close supervision
- N No exposure--has no experience or knowledge of this task

COGNITIVE RATING

- 3 Knowledgeable--can apply the concept to solve problems
- 2 Moderately knowledgeable--understands the concept
- 1 Limited knowledge--requires additional instruction
- N No exposure--has not received instruction in this area

UNIT A.	PERFORMING WORK SAFETY	3 2 1 N		3 2 1	N
	PRACTICES		_ 2. Cut a 6-inch straight line in 18- to 22- gauge sheet metal.		2. Demonstrate knowledge of plastic identification methods.
3 2 1	N		gauge sneet metal.		3. Perform a one-sided adhesive repair to
	1. Demonstrate the ability to work safely and keep a safe work area.2. Operate a fire extinguisher.		_ 3. Cut a dime-size circular hole in 18- to 22-gauge sheet metal.		a bumper cover and other plastic body parts.
	 3. Demonstrate the safe use of hand and power tools. 	UNIT D.	DEMONSTRATING MIG WELDING SKILLS		4. Perform a two-sided adhesive repair to a bumper cover and other plastic body
	_ 4. Demonstrate understanding of "right	3 2 1 N	.I		parts.
	to know" laws including OSHA regulations and EPA Rule 40.	3 2 1 N — — — -	 1. Demonstrate knowledge of how to protect computers and other electronic 	UNIT F.	DEMONSTRATING BASIC SHEET METAL REPAIR SKILLS
UNIT B.	DEMONSTRATING UNDERSTANDING OF VEHICLE CONSTRUCTION AND COLLISION ENERGY MANAGEMENT		control modules during welding procedures according to manufacturer's specifications. 2. Set up and adjust MIG welder for welding 18- to 22-gauge sheet metal.	3 2 1	N1. Rough out and align cosmetic panels using hammer and dolly techniques2. Finish to final contour by using the
3 2 1 1	1. Describe various types of vehicle construction: a. space frame construction, b. body-over-frame construction, c. unibody construction. 2. Identify structural parts and cosmetic parts. 3. Demonstrate knowledge of collision		3. Construct the following welds (vertical and overhead positions) using I-CAR gauge to I-CAR specification: a. continuous bead-lap weld; b. continuous bead-butt weld with backing; c. plug weld; d. continuous bead open butt joint weld 4. Demonstrate knowledge of aluminum		following techniques: a. hammer and dolly, b. picking and filing, and c. shrinking
	energy management principles.		welding.		plastic fillers.
UNIT C.	DEMONSTRATING PLASMA CUTTING SKILLS	UNIT E.	DEMONSTRATING SKILLS IN PLASTICS		 6. Demonstrate knowledge of repairing various levels of corrosion damage. 7. Repair damaged threads using thread
3 2 1	N . Set up pleame outtor for outting	3 2 1 1	N 1. Demonstrate knowledge of current		

automotive plastics.

UNIT G.	DEMONSTRATING STRUCTURAL	3 2 1 N		3 2 1	
	ALIGNMENT SKILLS		_ 12.Demonstrate knowledge of how to		13.Demonstrate knov
3 2 1 N			remove, replace, and adjust window		defects, causes, a
	1. Demonstrate how to interpret a		regulators.		14.Prepare and refini
	structural dimension sheet.		_ 13.Demonstrate knowledge of how to		15.Demonstrate knov
	2. Determine structural alignment using		remove and replace front and rear		and application of
	three-dimensioning and point-to-point		seats.		16.Perform final deta
	measuring.		_ 14.Remove, replace, and align hood		delivery.
	3. Analyze and diagram structural		locks and mating parts.		delivery.
				LINIT IZ	DEMONSTRATING
	damage.		15.Install new nonstructural body sheet	UNIT K.	DEMONSTRATING
	4. Develop a structural repair plan.		metal.		BODY REPAIR EST
	5. Demonstrate knowledge and operation				
	of MacPherson strut and SLA	UNIT I.	DEMONSTRATING AUTOMOBILE	3 2 1	
	suspension systems.		GLASS REPLACEMENT SKILLS		1. Compute the cost
	6. Demonstrate knowledge and operation				a collision-damage
	of rack and pinion and parallelogram	3 2 1 N	1		crash estimating of
	steering systems.		_ 1. Demonstrate understanding of		2. Determine paint a
	7. Demonstrate knowledge of wheel		removing and replacing fixed glass		an estimate.
	alignment and wheel alignment		(heated and non-heated) using		3. Complete and tota
	angles.		manufacturer's specifications/-		'
	8. Demonstrate knowledge and use of		procedures and recommended	UNIT L.	DEMONSTRATING
	self-centering gauges and tram		materials.		SKILLS
	gauges.		_ 2. Demonstrate understanding of	3 2 1	
	gauges.		removing and replacing movable glass.	3 2 1	1. Complete a resum
UNIT H.	DEMONSTRATING SKILLS		removing and replacing movable glass.		
ONII II.	REQUIRED TO REMOVE AND	UNIT J.	DEMONSTRATING PAINTING AND		2. Complete a job ap
		UNIT J.			3. Create a portfolio.
	REPLACE TRIM, ACCESSORIES,		REFINISHING SKILLS		
	AND HARDWARE	3 2 1	N		5. Demonstrate work
0 0 4 N		0 2 1	_ 1. Demonstrate knowledge of painting		
3 2 1 N			booth operations.		
	1. Remove and replace various bumper		_ 2. Clean and condition bare metal for		
	systems.				
	2. Replace and/or align bumper		corrosion resistant primers.		
	reinforcements.		_ 3. Demonstrate knowledge of restoring		
	_ 3. Replace and/or align energy		corrosion protection to repaired or		
	absorbers.		replaced unibody structural areas.		
	4. Remove and replace grille.		_ 4. Prepare panel surfaces for refinishing:		
	5. Demonstrate knowledge of various		a. sanding		
	types of restraint systems and how to		b. scuffing,		
	disable them.		c. feather-edging,		
	_6. Demonstrate knowledge of how to		d. blocking,		
	access OEM guidelines for restraint		e. cleaning.		
	systems service.		_ 5. Mask sections and parts.		
	•		6. Apply various primers and sealers.		
	7. Remove and replace trim panels.		_ 7. Apply single stage paint.		
	_8. Remove and replace molding.		_ 8. Apply basecoat/clearcoat paint.		
	9. Demonstrate knowledge of how to		_ 9. Blend a panel using a		
	install weather stripping.		basecoat/clearcoat finish.		
	10.Demonstrate knowledge of how to		_10.Demonstrate knowledge of the color		
	remove, replace, and align door locks		-		
	and mating parts.		tinting process.		
	11.Demonstrate knowledge of how to		11.Demonstrate knowledge of applying		
	remove, replace, and align trunk locks		multi-stage paints.		
	and mating parts.		_12.Demonstrate knowledge of waterborne		
	~ .		finishes.		

UNIT K.	DEMONSTRATING AUTOMOBILE BODY REPAIR ESTIMATING SKILLS
3 2 1 1	 1. Compute the cost of parts and labor for a collision-damaged vehicle using a crash estimating guide. 2. Determine paint and materials costs for an estimate. 3. Complete and total the estimate form.
UNIT L.	DEMONSTRATING EMPLOYABILITY SKILLS
	N1. Complete a resume2. Complete a job application3. Create a portfolio4. Demonstrate interviewing skills5. Demonstrate workplace/soft skills.