Nebraska CTE

Collision Repair

Demonstrate safety principles, practices, and guidelines to the work environment. STS.HS.9.1	**a** Complete applicable safety assessment with 100% accuracy. STS.HS.9.1.A
	b Identify and explain the use of personal protective equipment. STS.HS.9.1.B
	c Describe proper use of a fire extinguisher. STS.HS.9.1.C
	d Demonstrate automotive lift safety best-practices STS.HS.9.1.D
	e Demonstrate automotive battery safety best-practices. STS.HS.9.1.E
	f Demonstrate the safe use of tools, machines, and equipment in alignment with industry standards to maintain a safe workplace. STS.HS.9.1.F
	g Describe the role of government agencies in providing a safe workplace. STS.HS.9.1.G
Explain proper usage of hand tools, power tools, fasteners, and equipment. STS.HS.9.2	**a** Identify common hand tools, power tools, and equipment needed for diagnosis and repair of the automobile or mobile equipment. STS.HS.9.2.A
	b Identify and use basic measuring tools. STS.HS.9.2.B
	c Identify proper fasteners, gaskets, seals, and sealants used in transportation. STS.HS.9.2.C
Identify career opportunities in the transportation industry. STS.HS.9.3	**a** List the most common transportation careers and related fields of employment. STS.HS.9.3.A
	b List the traits and skills employers look for in their employees. STS.HS.9.3.B
	c Explain the specialized tasks completed by a collision repair technician. STS.HS.9.3.C
	d Identify the training, education, certification, and licensing requirements for various careers in the transportation industry. STS.HS.9.3.D
Explain fundamentals of Collision Repair and Refinishing measurement and math. STS.HS.9.4	**a** Employ both customary and metric measuring systems. STS.HS.9.4.A
	b Identify and use basic collision repair and refinishing measuring tools. STS.HS.9.4.B

	c Employ basic math skills used in collision repair and refinishing. STS.HS.9.4.C
Identify fundamentals of Collision Repair Information. STS.HS.9.5	a Describe the different types of service information. STS.HS.9.5.A
	b Explain the different kinds of information and Illustrations used in service information. STS.HS.9.5.B
	c Utilize print and online service information. STS.HS.9.5.C
	d Understand shop work orders. STS.HS.9.5.D
	e Describe how to order parts for repair. STS.HS.9.5.E
Explain fundamentals of Nonstructural Repairs. STS.HS.9.6	a Describe steps for a nonstructural panel repair. STS.HS.9.6.A
	b Explain steps for a bolted nonstructural panel replacement. STS.HS.9.6.B
	c Identify the procedure to repair welded and bonded nonstructural panel replacement. STS.HS.9.6.C
	d Recall steps and procedures for plastic repair. STS.HS.9.6.D
	e Describe steps for glass repair. STS.HS.9.6.E
Explain fundamentals of Structural Repairs. STS.HS.9.7	a Identify unibody/frame-straightening equipment. STS.HS.9.7.A
	b Discuss the various types of measurements used for structural repairs. STS.HS.9.7.B
	c Describe the steps for unibody straightening. STS.HS.9.7.C
	d Identify the steps for full frame repair. STS.HS.9.7.D
	e Summarize the process for various types of structural component replacement. STS.HS.9.7.E
Explain fundamentals of Refinishing Technology used in Collision Repair. STS.HS.9.8	a Explain various refinishing materials used. STS.HS.9.8.A
	b Describe steps for paint mixing and reducing. STS.HS.9.8.B
	c Explain correct spray techniques. STS.HS.9.8.C
	d Explain various techniques for surface preparation. STS.HS.9.8.D
	e Identify steps for color matching. STS.HS.9.8.E
	f Describe the process for paint application. STS.HS.9.8.F
	g Explain the steps used in detailing. STS.HS.9.8.G

Explain fundamentals of Estimating used in Collision Repair. STS.HS.9.9

a **Describe the process of collision repair estimating.** STS.HS.9.9.A

b **Describe the steps involved in completing a repair estimate** STS.HS.9.9.B

c **Explain the process for completing an estimate.** STS.HS.9.9.C