Nebraska CTE

Transportation 3

Apply safety principles, practices, and guidelines to the work environment. STS.HS.35.1	**a** Complete applicable safety assessment with 100% accuracy. STS.HS.35.1.A
	b Identify and explain the use of personal protective equipment. STS.HS.35.1.B
	c Describe proper use of a fire extinguisher. STS.HS.35.1.C
	d Demonstrate automotive lift safety best–practices. STS.HS.35.1.D
	e Demonstrate automotive battery safety best–practices. STS.HS.35.1.E
	f Apply the safe use of tools, machines, and equipment in alignment with industry standards to maintain a safe workplace. STS.HS.35.1.F
	g Describe the role of government agencies in providing a safe workplace. STS.HS.35.1.G
	h Describe the safe and environmental disposal of fluids. STS.HS.35.1.H
Identify career opportunities in the transportation industry. STS.HS.35.2	**a** List the most common transportation careers and related fields of employment. STS.HS.35.2.A
	b List the traits and skills employers look for in their employees. STS.HS.35.2.B
	c Explain how to find job openings in the transportation field. STS.HS.35.2.C
	d Explain the specialized tasks completed by each type of technician. STS.HS.35.2.D
	e Identify the training, education, certification, and licensing requirements for various careers in the transportation industry. STS.HS.35.2.E
Identify fundamentals of transportation measurement and service information. STS.HS.35.3	**a** Measure with both customary and metric measuring systems. STS.HS.35.3.A
	b Identify and use proper measuring tools for each task. STS.HS.35.3.B
	c Describe the different types of service information. STS.HS.35.3.C
	d Explain how to read shop work orders. STS.HS.35.3.D
Ide eq fas	dentify common hand tools, power tools, and equipment needed for diagnosis nd repair of the automobile or mobile equipment. STS.HS.35.4.A

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diagnose and repair automobiles and mobile equipment. STS.HS.35.4	**b** Describe the different types of service information platforms. STS.HS.35.4.B
	c Explain fundamentals of on–board diagnostics and scan tools. STS.HS.35.4.C
	d Identify proper fasteners, gaskets, seals, and sealants used in transportation. STS.HS.35.4.D
Explain fundamentals of vehicle systems and principles. STS.HS.35.5	**a** Explain the principles of electricity and magnetism. STS.HS.35.5.A
	b Explain fundamentals of engine mechanical problem diagnosis. STS.HS.35.5.B
	c Explain fundamentals of engine top end rebuilding. STS.HS.35.5.C
	d Explain fundamentals of engine front end service. STS.HS.35.5.D
	e Explain fundamentals of short block service. STS.HS.35.5.E
	f Explain fundamentals of manual transmission, clutch, and automatic transmission technology. STS.HS.35.5.F
	g Explain fundamentals of front and rear drive train technology. STS.HS.35.5.G
	h Explain fundamentals of heating and air conditioning. STS.HS.35.5.H
	i Explain fundamentals of diesel injection, turbochargers, and superchargers fundamentals. STS.HS.35.5.I
	j Explain fundamentals of wheel alignment. STS.HS.35.5.J
	k Explain fundamentals of restraint systems. STS.HS.35.5.K