

# Transportation 2

Explain safety principles, practices, and guidelines to the work environment. [STS.HS.34.1](#)

- a** Complete applicable safety assessment with 100% accuracy. [STS.HS.34.1.A](#)
- b** Identify and explain the use of personal protective equipment. [STS.HS.34.1.B](#)
- c** Describe proper use of a fire extinguisher. [STS.HS.34.1.C](#)
- d** Demonstrate automotive lift safety best-practices. [STS.HS.34.1.D](#)
- e** Demonstrate automotive battery safety best-practices. [STS.HS.34.1.E](#)
- f** Apply the safe use of tools, machines, and equipment in alignment with industry standards to maintain a safe workplace. [STS.HS.34.1.F](#)
- g** Describe the role of government agencies in providing a safe workplace. [STS.HS.34.1.G](#)
- h** Explain the purpose for safe and environmental disposal of fluids. [STS.HS.34.1.H](#)

Identify career opportunities in the transportation industry. [STS.HS.34.2](#)

- a** Identify the most common transportation careers and related fields of employment. [STS.HS.34.2.A](#)
- b** Identify the traits and skills employers look for in their employees. [STS.HS.34.2.B](#)
- c** Identify the training, education, certification, and licensing requirements for various careers in the transportation industry. [STS.HS.34.2.C](#)

Identify correct tools, equipment and fasteners needed to diagnose and repair automobiles and mobile equipment. [STS.HS.34.3](#)

- a** Identify common hand tools, power tools, and equipment needed for diagnosis and repair of the automobile or mobile equipment. [STS.HS.34.3.A](#)
- b** Describe the different types of service information platforms. [STS.HS.34.3.B](#)
- c** Explain fundamentals of on-board diagnostics and scan tools. [STS.HS.34.3.C](#)
- d** Identify proper fasteners, gaskets, seals, and sealants used in transportation. [STS.HS.34.3.D](#)

Summarize the various systems used on automobiles and mobile equipment. [STS.HS.34.4](#)

- a** Explain the fundamentals of the lubrication system. [STS.HS.34.4.A](#)
- b** Explain the fundamentals of the fuel system. [STS.HS.34.4.B](#)

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**c Explain the fundamentals of the cooling system.** STS.HS.34.4.C

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**d Explain the fundamentals of the brake system.** STS.HS.34.4.D

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**e Explain the fundamentals of the suspension system.** STS.HS.34.4.E

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**f Explain the fundamentals of the electrical system.** STS.HS.34.4.F

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**g Explain the fundamentals of the ignition system.** STS.HS.34.4.G

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**h Explain the fundamentals of the exhaust system.** STS.HS.34.4.H

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