

Transportation 1

Explain safety principles, practices, and guidelines to the work environment. [STS.HS.33.1](#)

a Complete applicable safety assessment with 100% accuracy. [STS.HS.33.1.A](#)

b Employ the use of personal protective equipment (PPE). [STS.HS.33.1.B](#)

c Describe proper use of a fire extinguisher. [STS.HS.33.1.C](#)

d Demonstrate automotive lift safety best-practices. [STS.HS.33.1.D](#)

e Demonstrate automotive battery safety best-practices. [STS.HS.33.1.E](#)

f Describe the role of government agencies in providing a safe workplace. [STS.HS.33.1.F](#)

g Explain the safe and environmental disposal of fluids. [STS.HS.33.1.G](#)

Identify career opportunities in the transportation industry. [STS.HS.33.2](#)

a List the most common transportation careers and related fields of employment. [STS.HS.33.2.A](#)

b List the traits and skills employers look for in their employees. [STS.HS.33.2.B](#)

c Explain the specialized tasks completed by each type of technician. [STS.HS.33.2.C](#)

d Identify the training, education, certification, and licensing requirements for various careers in the transportation industry. [STS.HS.33.2.D](#)

Explain proper usage of hand tools, power tools, fasteners, and equipment. [STS.HS.33.3](#)

a Identify common hand tools, power tools, and equipment needed for diagnosis and repair of the automobile or mobile equipment. [STS.HS.33.3.A](#)

b Identify and use basic measuring tools. [STS.HS.33.3.B](#)

c Identify proper fasteners, gaskets, seals, and sealants used in transportation. [STS.HS.33.3.C](#)

Describe the systems and components in an automobile. [STS.HS.33.4](#)

a Identify the major parts of a typical automotive engine. [STS.HS.33.4.A](#)

b Explain the basic function of the major parts of an automotive engine. [STS.HS.33.4.B](#)

Explain the fundamentals of vehicle

a Describe the steps to check a vehicle's fluid levels. [STS.HS.33.5.A](#)

maintenance and fluid service. STS.HS.33.5

- b** Explain the importance of vehicle maintenance. STS.HS.33.5.B
- c** Identify the process to locate and identify fluid leaks. STS.HS.33.5.C
- d** Outline the process to complete an oil and filter change. STS.HS.33.5.D
- e** Describe the process to perform a vehicle grease maintenance. STS.HS.33.5.E
- f** Explain the process of how to inspect for general problems with air filters, hoses, belts, pulleys, and other components. STS.HS.33.5.F

Explain the fundamentals of vehicle exterior maintenance. STS.HS.33.6

- a** Describe the importance of keeping a vehicle's exterior clean. STS.HS.33.6.A
- b** Identify the proper tools and materials needed to wash and wax a vehicle's exterior. STS.HS.33.6.B
- c** Explain the importance of using the correct soaps and cleaning products. STS.HS.33.6.C
- d** Describe the steps to washing and drying a vehicle. STS.HS.33.6.D

Explain fundamentals of researching, purchasing, and owning a vehicle. STS.HS.33.7

- a** Explain the costs of owning and operating a car. STS.HS.33.7.A
- b** Identify models and submodels of vehicles. STS.HS.33.7.B
- c** Describe how to search and locate vehicles for sale. STS.HS.33.7.C
- d** Differentiate the benefits versus cost of buying new or used vehicles. STS.HS.33.7.D