

# 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