

TRANSPORTATION TRADES SAMPLER (TTSP)

TTSP 0100 Credits: 1

Workplace Safety Total Hours: 30

This course includes the Worker's Compensation Act outlined in the Occupational Health and Safety Regulations, and its applicability to the automotive and heavy mechanical workplace. Topics include the Workplace Hazardous Materials Information System (WHMIS), Safety Data Sheets (SDS), WHMIS labels, shop emergency equipment and fire control.

TTSP 0101 Credits: 1

Basic Welding Procedures Total Hours: 30

This course covers basic oxyacetylene, Gas Metal Arc Welding (GMAW), Metal Inert Gas (MIG), and Shielded Metal Arc Welding (SMAW) welding procedures and safety practices.

TTSP 0102 Credits: 1

Basic Sheet Metal Repair Total Hours: 30

This course introduces students to the characteristics of sheet metal, types of sheet metal damage, sheet metal tools and equipment, and minor sheet metal damage repair.

TTSP 0103 Credits: 1

Automotive Refinishing Total Hours: 30

This course includes procedures and processes for safe preparation and application of refinish coatings.

TTSP 0104 Credits: 2

Project Car Total Hours: 55

This course will enable students to combine the skills developed in Workplace Safety, Basic Welding Procedures, Basic Sheet Metal Repair, and Automotive Refinishing to use hands on practical skills for the creation of a soapbox racer.

TTSP 0105 Credits: 1

Heavy Equipment Operation Total Hours: 30

This course includes procedures required for the safe starting and stopping of heavy equipment and basic operation.

TTSP 0106 Credits: 1

Forklift Operation Total Hours: 30

This course includes applicable regulations, safe forklift operation and IVES forklift certification.

TTSP 0107 Credits: 1

Automotive Engines Total Hours: 30

This course includes principles, inspection and repair of gasoline internal combustion engines. Topics include service and repair of gaskets and seals, initial start-up and break-in, inspection of engine components, manufacturer's procedures and engine leaks.

TTSP 0108 Credits: 1

Automotive Maintenance Total Hours: 30

This course focuses on general automotive maintenance procedures. Topics include lubricants and fluids, belts, hoses, wheels, and tires. As well as types of exterior lamps, body trim and hardware.

TTSP 0109 Credits: 0

Introduction to Apprenticeship Total Hours: 5

This course will introduce students to the British Columbia apprenticeship system. Topics will include pre-requisites for entry to each of the five trades included in this program as well the creation of a transition plan for students interested in pursuing a specific trades pathway.