

**ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE**



Name of Course/Course Code: TTJ20

Course Description: This course introduces students to the service and maintenance of vehicles, aircraft, and/or watercraft. Students will develop knowledge and skills related to the construction and operation of vehicle/craft systems and learn maintenance and repair techniques. Student projects may include the construction of a self-propelled vehicle or craft, engine service, tire/wheel service, electrical/battery service, and proper body care. Students will develop an awareness of related environmental and societal issues, and will explore secondary and postsecondary pathways leading to careers in the transportation industry. Prerequisite: None

Catholic Graduate Expectations: 2a, 2b, 2c, 3a, 4b, 4e, 4f, 5c, 5g, 7b, 7i,

Course Prerequisite: None

Units of Study

Unit 1	Shop Safety Procedures
Unit 2	WHIMS Training
Unit 3	Environmental And Social Issues Related To The Transportation Industry
Unit 4	Hoist and Lifting
Unit 5	Servicing and proper maintenance techniques
Unit 6	Internal Combustion Engines
Unit 7	Torches and Welding Equipment
Unit 8	Basic Electrical wiring circuits

Evaluation

70%	30%
Knowledge/Understanding	Culminating Task and Exam
Thinking/Inquiry	
Communication	
Application	

Course Resources Required: Text books, current training CDs, LCD projectors, computers with internet, access to all equipment in both Auto and labs.

**ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE**



For a detailed course description of this course, please visit
<https://www.edu.gov.on.ca/eng/curriculum/secondary/subjects.htm>