

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



**Name of Course/Course Code: TTJ3C**

**Course Description:** This course enables students to develop technical knowledge and skills as they study, test, service, and repair engine, electrical, suspension, brake, and steering systems on vehicles, aircraft, and/or watercraft. Students will develop communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will develop an awareness of environmental and societal issues related to transportation, and will learn about apprenticeship and college programs 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	Advance Electrical wiring circuits
Unit 9	Suspension and Steering
Unit 10	Hydraulic and ABS braking Systems

**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.**

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