

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



Name of Course/Course Code: TTJ4C

Course Description This course enables students to further develop technical knowledge and skills as they study, test, service, and repair engine management systems; powertrains; steering/ control, suspension, brake, and body systems on vehicles, aircraft, and/or watercraft; and/or small-engine products. Students will refine communication and teamwork skills through practical tasks, using a variety of tools and equipment. Students will expand their awareness of environmental and societal issues related to transportation and their knowledge of apprenticeship and college programs leading to careers in the transportation industry. Prerequisite: Transportation Technology, Grade 11, College Preparation

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>