

ST. JOSEPH CATHOLIC SECONDARY SCHOOL
COURSE OUTLINE



Name of Course/Course Code: TDJ 3M

Course Prerequisite: None

Course Description: This course examines how technological design is influenced by human, environmental, financial, and material requirements and resources. Students will research, design, build, and assess solutions that meet specific human needs, using working drawings and other communication methods to present their design ideas. They will develop an awareness of environmental, societal, and cultural issues related to technological design, and will **explore career opportunities** in the field, as well as the college and/or university program requirements for them.

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

Units of Study

Unit 1	Design and Drawing Techniques
Unit 2	AutoCAD
Unit 3	Mechanical
Unit 4	Architecture

Evaluation

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

Course Resources Required: drafting equipment, computer, AutoCad 2016, AutoCad Revit, SketchUp, LCD projector, measuring tools, and hand tools

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