

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



**Name of Course/Course Code: TDJ 20**

**Course Prerequisite: None**

**Course Description:** This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student projects may include designs for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop an awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.

**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	Simple Machines
Unit 4	Structures
Unit 5	Architecture
Unit 6	Professionalism

**Evaluation**

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

**Course Resources Required: drafting equipment, computer and software, LCD projector, power tools, 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>