

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



Name of Course/Course Code: TDJ 4M

Course Prerequisite: TDJ 3M Technological Design, Grade 11, University/College Preparation

Course Description: This course introduces students to the fundamentals of design advocacy and marketing, while building on their design skills and their knowledge of professional design practices. Students will apply a systematic design process to research, design, build, and assess solutions that meet specific human needs, using illustrations, presentation drawings, and other communication methods to present their designs. Students will enhance their problem-solving and communication skills, and will **explore career opportunities and the postsecondary education and training 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 |
| Unit 5 | Consumer/Furniture Design |

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>