

EDEN HIGH SCHOOL

Course Outline

Teacher:	Mr. Caruso
Course Title:	Construction Engineering Technology
Course Code:	TCJ 3C1
Type of Course:	College Preparation
Grade:	11
Credit Value:	1.0
Ministry Guidelines:	The Ontario Curriculum, Grades 11 and 12, Technological Education, 2009

Course Description

This course focuses on residential construction and woodworking and will prepare students for a post secondary education or career in the construction field. Students will gain hands-on experience by safely using a variety of materials, tools and equipment used in the building industry. Students will also develop design skills by creating floor plan and elevation presentation drawings for a residential home using the AutoCAD program. This course is ideal for those interested in building and woodworking as a hobby as well as those who wish to pursue a construction related career. Projects include: folding stool, framing, electrical and drywall unit, architectural drawings and muskoka chair.

Safety is the top priority. Students will follow the safety rules at all times while in the shop.

Late projects and written work will be penalized 5% each day up to 25%, until the work is marked and returned. Then the penalty will be 100%.

Course Overview

Unit	Activity	Weight
Unit 1: Construction Shop Fundamentals	<ul style="list-style-type: none"> • Shop, Tool and Machine Safety • Measurement • Safety Licence • Wood Characteristics and Selection • Dressing/Milling Stock • Projects 1 and 2 • Unit Test 	25%
Unit 2: Drafting and Design	<ul style="list-style-type: none"> • The Design Process • AutoCAD Introduction/Review • Architectural Drawings • Project 3 • Unit Test 	20%
Unit 3: Introduction to Building Construction	<ul style="list-style-type: none"> • Concrete • Framing • Electrical • Drywall • Careers in Construction • Project 4 	25%
Unit 4: Exam Project	<ul style="list-style-type: none"> • Shop and machine Safety Review • Final Exam Project • Unit Test 	30%