



EDEN HIGH SCHOOL

Course Outline

Course Title:	Construction Technology
Teacher:	Mr. Caruso
Course Code:	TCJ 201
Type of Course:	Open
Grade:	10
Credit Value:	1.0
Ministry Guidelines:	The Ontario Curriculum, Grades 9 and 10, Technological Education, 2009

Course Description

This course introduces students to the world of building construction and woodworking. Students will gain hands-on experience by safely using a variety of materials, tools and equipment used to build woodworking and construction related projects. Students will also develop skills to design and create various drawings and floor plans using the AutoCAD program. This course is ideal for those who enjoy learning by doing and is an excellent way to develop home building and woodworking skills as well as explore construction related careers. Projects include: book ledge, wall frame and electrical circuit, rec room design, country shelf, model truss and gumball machine.

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%.

Units of Study

Unit	Activity	Weight
Unit 1: Introduction to the Construction Shop	<ul style="list-style-type: none"> ½ Shop, Tool and Machine Safety ½ Shop Layout ½ Measurement and Scale ½ Safety Licence ½ Projects 1 and 2 ½ Unit Test/Quiz 	25%
Unit 2: Drafting and Design	<ul style="list-style-type: none"> ½ AutoCAD Introduction/Review ½ The Design Process ½ Floor Plans and Cross Sections ½ Project 3 and 4 ½ Unit Test/Quiz 	20%
Unit 3: Introduction to Building Construction	<ul style="list-style-type: none"> ½ Building Systems ½ Careers ½ Truss Design ½ Wall Framing ½ Electricity ½ Insulation ½ Project 5 and 6 ½ Unit Test 	25%
Unit 4: Final Exam Project	<ul style="list-style-type: none"> ½ Shop and machine Safety Review ½ Final Exam Project ½ * Final Exam 10% 	30%

* Note: Students can be exempted from writing the final exam if they:

- ½ Get a mark of 70% or more
- ½ Miss fewer than 9 days of school
- ½ Complete all major assignments
- ½ Have no suspensions