

Renfrew Collegiate Institute

TTI

Integrated Technology

Teacher: Mr. Ferguson (*ferguson@rcitech.ca*)

Class: Room 179

COURSE DESCRIPTION

This course is designed as an introduction to the courses in Technological Education (Transportation Technology, Manufacturing Technology, Construction Technology, Communications Technology, Personal Services, and Hospitality Services). Students will learn through a variety of hands-on projects. A strong emphasis will be placed on basic technological skills. This course will form a strong basis for future courses in technology.

UNITS OF STUDY

Introduction: Safety

Unit 1: Introduction to Structures

Unit 2: Graphic Design and Layout

Unit 3: Computers

Unit 4: Programming Techniques

Unit 5: Introduction to Welding

Unit 6: Introduction to Transportation

PROJECTS

Major Projects

1. Construction Drawings
2. Bird House
3. Bridges
4. Web Site (Culminating)

Minor Projects

1. Welding
2. 2-D and 3-D modeling
3. Car Oil Change & Fluids Inspection
4. Bar Coding
5. Cooking Lab
6. Trivets

STUDENT EVALUATION

During the semester the following format will be used as a basis for evaluation:

Term 1	35%
Term 2	35%
Culminating Assignment	<u>30%</u>
	100%

Each term mark will be calculated as follows

1. Tests (50%) — There will be at least one test per unit studied but, in some cases, with the larger units you can expect more than one test. Some tests will be written while others will be done on the computer or will be practical in nature.
2. Projects (50%) — You can expect one or more project for each unit that is studied. The value or weighting factor of these will depend on the duration and complexity of the project.
3. Formative marks — To maximize formative marks (i.e., Learning Skills Inventory Marks), a student should:
 - be polite, co-operative and have a strong work ethic, bring all required materials to every class
 - participate openly in class discussions — show initiative and teamwork
 - regularly present solutions verbally or on the board
 - have excellent attendance and arrive on time, ready to go — be organized
 - pay careful attention during lessons and have homework completed