TIJ101
INTERGRATED TECHNOLOGY

General Course Information

Prerequisite:	None
Department:	Computers Studies / Technology
Extra Help:	Please see teacher
Textbook and Replacement Cost:	None
Material Required:	None – Standard daily school supplies, pens, pencils, writing paper
Course Fee:	None

Course Description

This course enables students to further explore and develop technological knowledge and skills introduced in the elementary science and technology program. Students will be given the opportunity to design and create products and/or provide services related to the various technological areas or industries, working with a variety of tools, equipment, and software commonly used in industry.

Students will also develop an awareness of related environmental and societal issues, and will explore college and university programs and career opportunities in the various communications technology fields.

The course is organized into 7 strands:

- Safety In A Technological Classroom
- Technological Design
- Manufacturing Technology
- Transportation Technology
- Computer Technology
- Communications Technology
- Green Technologies

A detailed list of the course expectations can be found at
http://www.edu.gov.on.ca/eng/curriculum/secondary/teched910curr09.pdf

Assessment and Evaluation

To promote student success, ongoing assessment and feedback will be given regularly to the students. A variety of assessment and evaluation strategies will be used in this course, including animation, audio, web and graphics projects, written and practical tests. Expectations will be evaluated based on the provincial curriculum expectations and the achievement levels outlined in the ministry document.

Expectations are organized into four categories of knowledge and skills. The categories and their corresponding weighting is as follows:

Knowledge and Understanding	35%
Thinking	15%
Communication	15%
Application	35%

Each student's final mark will be in the form of a percentage grade based on their achievement in the 4 categories on the achievement chart. The breakdown of the final mark is as followed:

Term Evaluation	70%
Final Evaluation	30%

The final Evaluation will be completed during the final 6 weeks of the course and may include a variety of summative activities including an exam, a presentation, a seminar, or an essay or another writing assignment.

In addition to students' performance in the achievement categories, students will also be assessed on their performance in the following learning skills:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

For specific policies on assessment and evaluation, and academic honesty, please refer to *School Procedure*s in the student agenda.

Overall Course Expectation

By the end of this course, students will:
- demonstrate an understanding of the core concepts, techniques, and skills required to produce a range of communications media products or services;
- demonstrate an understanding of technical terminology, basic scientific concepts, and mathematical concepts used in communications technology and apply them to the creation of media products;
- demonstrate an understanding of and apply the interpersonal and communication skills necessary to work effectively in a team setting;
- apply project management techniques to the planning and development of communications media products;
- apply a design process or other problem-solving processes to meet a range of challenges in communications technology;
- create products or productions that demonstrate competence in the application of creative and technical skills;
- describe the impact of communications media technologies and activities on the environment and identify ways of reducing their harmful effects;
- demonstrate an understanding of social effects and issues arising from the use of communications media technologies and the importance of representing cultural and social diversity in media productions;
- demonstrate an understanding of and apply safe work practices in communications technology activities;
- identify career opportunities in communications technology and demonstrate an understanding of the skills, work habits, education, and training required for entry into postsecondary programs or employment in these fields.

Unit Summary

Unit Title	Approx. # Weeks
Unit 1: Introduction & Technological Safety Education	2
Unit 2: Technological Design	2
Unit 3: Manufacturing Technology	2
Unit 4: Transportation Technology	2
Unit 5: Computer Technology	2
Unit 6: Communication Technology	2
Unit 7: Green Technologies	2
Unit 8: Culminating Activity (Final Project)	3

Classroom Expectation

- Academic Honesty – Students are expected to be academically honest by submitting their own original work, and the mark received is intended to reflect their own academic achievement.
- Online Code of Conduct as in the school agenda or http://www.tdsb.on.ca/communications/code_of_online_conduct/occ.html
- Respect for Property – no food or drink in the lab
- Policy on late or missed evaluations as in the school agenda