



**Ancaster High School**  
**Course Outline 2013/2014**  
***Exploring Technologies***  
**Grade 9 TIJ10**  
**Technological Education**



**TEACHER:** Mr. K. Lemieux

**PREREQUISITE:** None

**HOURS:** 110

**CREDIT VALUE:** 1

**DEPARTMENT HEAD:** Mr. Lemieux **TEXTBOOK:** None

**GUIDELINE:** *The Ontario Curriculum Grades 9 and 10, Technological Education, 2009 Revised*

The text will be provided free of charge. However, the student is responsible for returning the book in reasonable condition. The student will be charged for loss or damage.

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**OVERALL EXPECTATIONS:**

**A. TECHNOLOGY FUNDAMENTALS**

**OVERALL EXPECTATIONS**

By the end of this course, students will:

- A1.** demonstrate an understanding of the fundamental concepts and skills required in the planning and development of a product or service, including the use of a design process and/or other problem-solving processes and techniques;
- A2.** demonstrate the ability to use a variety of appropriate methods to communicate ideas and solutions;
- A3.** evaluate products or services in relation to specifications, user requirements, and operating conditions.

**B. TECHNOLOGICAL SKILLS**

**OVERALL EXPECTATIONS**

By the end of this course, students will:

- B1.** use problem-solving processes and project-management strategies in the planning and fabrication of a product or delivery of a service;
- B2.** fabricate products or deliver services, using a variety of resources.

**C. TECHNOLOGY, THE ENVIRONMENT, AND SOCIETY**

**OVERALL EXPECTATIONS**

By the end of this course, students will:

- C1.** demonstrate an awareness of the effects of various technologies on the environment;
- C2.** demonstrate an awareness of how various technologies affect society, as well as how society influences technological developments.

## **D. PROFESSIONAL PRACTICE AND CAREER OPPORTUNITIES**

### **OVERALL EXPECTATIONS**

By the end of this course, students will:

- D1.** follow safe practices and procedures when using materials, tools, and equipment;
- D2.** identify careers in various technological fields, and describe the educational requirements for them.

### **TEACHING STRATEGIES (include, but not limited to):**

- Providing appropriate accommodation for students on IEP's and for English Language Learners and for those who are First Nations, Metis or Inui;
- Utilizing Student Support and Student Alternative Support Programs;
- Contacting parents for support and assistance;
- Using diagnostic assessment and check-in points to monitor student progress;
- Providing differentiation of instruction and assessment to meet the needs of diverse learners;
- Providing ongoing descriptive feedback that is clear, specific, meaningful, and timely to support improved student learning;
- Creating lessons, and assessment and evaluations, that are carefully planned to relate to the curriculum expectations and learning goals, and as much as possible to the interests, learning styles and preferences of all students;
- Developing students' self-assessment skills to enable them to assess their own learning, set specific goals, and plan next steps for their learning.

### **ASSESSMENT AND EVALUATION OF WORK:**

Assessment and evaluation will be based on the provincial curriculum expectations and the achievement levels outlined in the curriculum policy document. Students will be given numerous and varied opportunities to demonstrate their achievement of the expectations across the four categories of knowledge and skills.

Midterm and final marks will be calculated using the prescribed learning strands with the following weighting:

<b>Strand</b>	<b>Weighting</b>
<b>A. TECHNOLOGY FUNDAMENTALS</b>	<b>15%</b>
<b>B. TECHNOLOGICAL SKILLS</b>	<b>45%</b>
<b>C. TECHNOLOGY, THE ENVIRONMENT, AND SOCIETY</b>	<b>5%</b>
<b>D. PROFESSIONAL PRACTICE AND CAREER OPPORTUNITIES</b>	<b>5%</b>

Evidence of achievement can be determined from a variety of sources, including but not limited to: in-class assignments, class presentation, open-ended questions, observations, quizzes, unit tests, investigations, projects, conversations, portfolios, anecdotal records, self-assessments, etc. Not every assessment will count towards a student's final grade. The primary purpose of assessment and evaluation is to improve student learning.

## **CULMINATING ACTIVITY**

Culminating activities occur at or near the end of a course. They form part of the final 30% of a student's mark. If a student is absent from a culminating activity, they must provide a doctor's note. The culminating activity will not normally be re-scheduled.

**For this course, the culminating activity will occur:** In the last month of the course and during the exam schedule.

**And will consist of the following:** A practical demonstration of skills learned throughout the semester and/or a written assignment (reflective writing/traditional exam).

## **LEARNING SKILLS:**

The report card provides a record of the learning skills demonstrated by the student in every course, in the following six categories. However, learning skills are not directly considered in the determination of percentage grades.

<b>Independent Work</b>	These skills will be assessed using the following key:
<b>Collaboration</b>	E = Excellent
<b>Organization</b>	G = Good
<b>Initiative</b>	S= Satisfactory
<b>Responsibility</b>	N = Needs Improvement
<b>Self-Regulation</b>	

## **MARK CALCULATION:**

Interim: A report will be given to reflect how well the student is progressing with suggestions for improvement.

Term Work: 70% of the overall grade (from all term evaluations)

Final Evaluation(s): 30% of the overall grade (20% practical culminating activity, 10% written assignment)

Teachers will take various considerations into account before making a decision about the grade to enter on the report card. Determining a report card grade will involve teacher's professional judgement and interpretation of the evidence and should reflect the student's most consistent level of achievement with special considerations given to the more recent evidence. Marks are not merely a calculation of averages, but an evaluation of the consistent achievement of the student.

## **CONTACT INFORMATION:**

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Extra Help Sessions: By appointment