



**St. Joseph Secondary School  
Department of Technology**

**Course Code:** TEJ 3M  
**Course Name:** Computer Tech.  
**Level:** Grade 11

**Student's Name:** \_\_\_\_\_  
**Textbook #:** \_\_\_\_\_

**Overall Course Expectations and/or Curriculum Strands:**

**Course Description:**

This course examines computer systems and control of external devices. Students will assemble computers and small networks by installing and configuring appropriate hardware and software. Students will develop knowledge and skills in electronics, robotics, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices. Students will develop an awareness of related environmental and societal issues, and will learn about college and university programs leading to careers in computer technology.

**Ontario Catholic School Graduate Expectations (Vision of the Learner):**

The graduate is expected to be:

1. A discerning believer
2. An effective communicator
3. A reflective, creative and holistic thinker
4. A self-directed, responsible, lifelong learner
5. A collaborative contributor
6. A caring family member
7. A responsible citizen

**Efforts will be made to meet the individual learning needs of students to promote student success with respect to meeting the expectations of this course.**

My signature below indicates that I have read the Course Handout, and I am in agreement with its contents.

**Parent's/Guardian's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Student's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Units of Study:

- Unit 1: Multimeters, resistors and circuits
- Unit 2: From Schematic to breadboards
- Unit 3: Safety: WHMIS, hand tools, drilling and soldering
- Unit 4: Build: battery to 5VDC power supply
- Unit 5: Build: PIC test board
- Unit 6: Programming the PIC in C
- Unit 7: Building and programming a line following robot
- Unit 8: Boolean logic: "how a computer thinks"

## Resources:

The course will use a variety of resources which will be distributed to students during the first week of the course. The text and all other resources assigned to each student are the responsibility of the student.

### **Resources for this course include:**

(include textbooks, required materials such as calculator and/or ruler, course fees, etc.)

**Any damage incurred will result in payment for replacement.**

(State replacement costs.)

## Evaluation Policies

1. Student marks will be determined by evaluating process & product according to 4 categories (see below) & 4 levels of the Achievement Chart as found in the Ministry Policy document for XXX Department.

### Evaluation Structure:

<b>Knowledge/Understanding</b>	<b>25%</b>
<b>Application</b>	<b>25%</b>
<b>Communication</b>	<b>25%</b>
<b>Thinking</b>	<b>25%</b>

**Term Evaluations = 70% of the final mark and Summative Evaluation = 30% of the final mark. Final Evaluations will include:** (itemize; e.g. final examination = 20% & Culminating Performance Task = 10%)

2. Feedback will also be provided for student **learning skills:** Responsibility, Organization, Independent Work, Collaboration, Initiative and Self-Regulation are assessed apart from student achievement in the four categories outlined above and will conform to the coding:

**E – Excellent          G – Good          S – Satisfactory          N - Needs Improvement**

3. **Assignments** submitted after the due date established by the teacher will receive a penalty **in accordance with our Board Assessment & Evaluation Policy Document** as outlined in the student agenda.
4. Should a student miss an evaluation due to a legitimate absence, **in accordance with our Board A&E Policy Document**, the student and teacher will make arrangements to address the missed evaluation in a timely manner. In the cases of **extended vacation** or **prolonged absence**, consultation with the appropriate administrator is required.
5. In the event that the student does not make up the missed evaluation(s), a zero may be assigned. If it is determined that the evaluation(s) has/have been missed as a result of a skip/truancy or has/have been plagiarized, a zero may be assigned.
6. For all other cases of absence and/or missed evaluations (including absence during the final examination period), please refer to our Board A&E Policy as outlined in the student agenda.

**St. Joseph – Pray for Us and May God bless your efforts this semester!**