

<p><b>Course Description:</b></p> <p>This course introduces students to computer systems, networking, and interfacing, as well as electronics and robotics. Students will assemble, repair, and configure computers with various types of operating systems and application software. Students will build small electronic circuits and write computer programs to control simple peripheral devices or robots. Students will also develop an awareness of related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;"><b>Level:</b></td> <td style="padding: 2px;">Open</td> </tr> <tr> <td style="padding: 2px;"><b>Credit Value:</b></td> <td style="padding: 2px;">1.0</td> </tr> <tr> <td style="padding: 2px;"><b>Pre-requisite:</b></td> <td style="padding: 2px;">None</td> </tr> <tr> <td style="padding: 2px;"><b>Department:</b></td> <td style="padding: 2px;">Technology</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black; padding: 2px;"><b>Course Fees:</b> None</td> </tr> </table>	<b>Level:</b>	Open	<b>Credit Value:</b>	1.0	<b>Pre-requisite:</b>	None	<b>Department:</b>	Technology	<b>Course Fees:</b> None	
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<b>Course Fees:</b> None											

<p><b>Textbooks &amp; Resources:</b></p> <ul style="list-style-type: none"> <li>• Growing Success: Assessment, Evaluation and Reporting in Ontario Schools</li> <li>• The Ontario Curriculum, Grade 9 and 10: Technological Education, 2009 (revised)</li> <li>• What's a Microcontroller? by Andy Lindsay</li> <li>• Basic Stamp Syntax and Reference Manual</li> <li>• Documents put in School network, software run at school, internet</li> </ul>
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<p><b>Course Evaluation:</b> Student Evaluation consists of three components...</p>					
<p><b>1) Learning Skills &amp; Work Habits:</b></p> <p>Students are evaluated on 6 Learning Skills &amp; Work Habits. The 6 essential skills are:</p> <ul style="list-style-type: none"> <li>• Responsibility</li> <li>• Organization</li> <li>• Independent Work</li> <li>• Collaboration</li> <li>• Initiative</li> <li>• Self-Regulation</li> </ul>	<p>These six attributes are evaluated on a scale of Excellent (E), Good (G), Satisfactory (S) &amp; Needs Improvement (N) and reported on the report card. They are not included in the course mark, unless specified in the curriculum expectations</p>				
<p><b>2) Term Mark (Assessment of Learning):</b></p> <p>Student performance standards for knowledge and skills are described in the curriculum Achievement Chart. The curriculum is assessed in four categories:</p> <ul style="list-style-type: none"> <li>• Knowledge Understanding                      25%</li> <li>• Thinking and Inquiry                                25%</li> <li>• Communication                                        25%</li> <li>• Application    25%</li> </ul>	<p>Evaluation of these four categories generates the term mark. The term mark accounts for 70% of the final mark.</p> <p style="text-align: center;"><b>It is the student's responsibility to submit evidence of learning.</b></p>				
<p><b>3) Final Evaluation (Assessment of Learning):</b></p> <p>The final evaluation, administered at or towards the end of the course is based on the evidence shown to the right. The final evaluation accounts for 30% of the final mark.</p>	<p>The final evaluation consists of:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Project</td> <td style="text-align: right; padding: 2px;">15 %</td> </tr> <tr> <td style="padding: 2px;">Exam</td> <td style="text-align: right; padding: 2px;">15 %</td> </tr> </table>	Project	15 %	Exam	15 %
Project	15 %				
Exam	15 %				
<p><b>Final Mark = 70% Term Mark + 30% Final Evaluation</b></p>					
<p>For a detailed description on Course Evaluation, see "How Did I Get That Mark!" at <a href="http://www.satec.on.ca">www.satec.on.ca</a></p>					

**Course Conduct Policies:** See Student Agenda.

**Please retain this page in the front of your notebook for future reference.**



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## Computer Technology TEJ201

### Course Outline:

Unit	Description	Approximate Length	Unit Evaluation
Computer	Students studies basic knowledge of computer hardware and software	2 weeks	quiz, unit tests, presentation
Network	Students studies knowledge of Network	2 weeks	quiz, unit tests, presentation
binary, boolean and logic	Students studies knowledge of binary number, boolean algebra and logic gates	5 weeks	quiz, unit test, projects
basic stamp	Students will use basic stamp to learn about electronics, robotics, interfacing and programing	5 weeks	quiz, unit test, projects
ISU final project	Students will using Basic Stamp to working on a project of their own choice	2 weeks	report, presentation, project

**Note: The order the units are delivered may change due to student needs and resources available during the course.**

### General Information:

Recommended Resources - internet and school network documents and books

How to Seek Extra Help - during class and after class