

<p>Course Description:</p> <p>This course provides students with opportunities to apply a design process to meet a variety of technological challenges. Students will research projects, create designs, build models and/or prototypes, and assess products and/or processes using appropriate tools, techniques, and strategies. Student project may include design for homes, vehicles, bridges, robotic arms, clothing, or other products. Students will develop and awareness of environmental and societal issues related to technological design, and will learn about secondary and postsecondary education and training leading to careers in the field.</p>	<p>Level: Open</p> <p>Credit Value: 1.0</p> <p>Pre-requisite: None</p> <p>Department: Technology</p>
	<p>Course Fees: None</p>

<p>Textbooks & Resources:</p> <ul style="list-style-type: none"> • Growing Success: Assessment, Evaluation and Reporting in Ontario Schools • The Ontario Curriculum, Grade 9 and 10: Technological Education, 2009 (revised) • Documents put in school network and softwares run at school

<p>Course Evaluation: Student Evaluation consists of three components...</p>					
<p>1) Learning Skills & Work Habits:</p>					
<p>Students are evaluated on 6 Learning Skills & Work Habits. The 6 essential skills are:</p> <ul style="list-style-type: none"> • Responsibility • Organization • Independent Work • Collaboration • Initiative • Self-Regulation 	<p>These six attributes are evaluated on a scale of Excellent (E), Good (G), Satisfactory (S) & 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>2) Term Mark (Assessment of Learning):</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"> • Knowledge Understanding 20% • Thinking and Inquiry 20% • Communication 20% • Application 40% 	<p>Evaluation of these four categories generates the term mark. The term mark accounts for 70% of the final mark.</p> <p>It is the students responsibility for submitting evidence of Learning.</p>				
<p>3) Final Evaluation (Assessment of Learning):</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: none;"> <tr> <td style="width: 70%;">In-Class Test</td> <td style="text-align: right;">60 %</td> </tr> <tr> <td>Exam</td> <td style="text-align: right;">40 %</td> </tr> </table>	In-Class Test	60 %	Exam	40 %
In-Class Test	60 %				
Exam	40 %				
<p>Final Mark = 70% Term Mark + 30% Final Evaluation</p>					
<p>For a detailed description on Course Evaluation, see “How Did I Get That Mark!” at www.satec.on.ca</p>					

<p>Course Conduct Policies: See Student Agenda.</p>
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Please retain this page in the front of your notebook for future reference.



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Technological Design TDJ201

Course Outline:

Unit	Description	Approximate Length	Unit Evaluation
Drafting	Students review rules of drafting and practices the drafting skills on AutoCAD.	2 weeks	Drafting Tests
CO2 Car	Students will make a CO2 car using design process and wood working skills.	3 weeks	Report, presentation, CO2 car race
F1 in school Car	Students will use AutoCAD and CAM to make a F1 car	3 weeks	AutoCAD drawing, Report, Presentation and car race
Materials	Students will study the manufacturing of materials like woods and metals.	1 week	Material tests
Architect	Students will use architectural AutoCAD to design properties related to their field of choice.	3 weeks	AutoCAD drawing, presentation, report
ISU	Students will work on a project of their choice using design process.	2 weeks	Report, Presentation
Project	Teacher directed project .	2 weeks	Report, Presentation, and project result

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

General Information:

Field Trips - OSC

Recommended Resources - School network documents and internet

How to Seek Extra Help - during class and after class