

**SOUTH CARLETON HIGH SCHOOL**  
**Ottawa-Carleton District School Board**  
 STUDENT OUTLINE  
**TIJ102**  
 Exploring Technology - Computers  
 Grade 9

Credit Value: 1.0

Hours: 110

Prerequisite: none

**Course Overview**

This course enables students to further explore and develop technological knowledge and skills introduced in computer technology, communications technology and information and communications technology. Students will explore and develop skills such as: using presentation software, spreadsheet design, website creation, computer programming, computer hardware understanding, robotics programming, video production, and graphic communications creation. Upon completion of this course, students will be expected to have acquired many diverse technical skills and knowledge that may be applied to future study and various career opportunities.

**Curriculum Expectations**

| Strand   | Overall Expectations  |
|--|---|
| Technology Fundamentals                        | <b>A1.</b> 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;<br><b>A2.</b> demonstrate the ability to use a variety of appropriate methods to communicate ideas and solutions;<br><b>A3.</b> evaluate products or services in relation to specifications, user requirements, and operating conditions. |
| Technological Skills                           | <b>B1.</b> use problem-solving processes and project-management strategies in the planning and fabrication of a product or delivery of a service;<br><b>B2.</b> fabricate products or deliver services, using a variety of resources.   |
| Technology, the Environment and Society        | <b>C1.</b> demonstrate an awareness of the effects of various technologies on the environment;<br><b>C2.</b> demonstrate an awareness of how various technologies affect society, as well as how society influences technological developments.   |
| Professional Practice and Career Opportunities | <b>D1.</b> demonstrate an understanding of the Essential Skills that are important for success in the technology industries;<br><b>D2.</b> identify careers in various technological fields, and describe the educational requirements for them.  |

**Accommodations for Exceptional Students**

The technology department makes every effort to accommodate the identified needs of exceptional (IPRC'd) students and will attempt to differentiate curriculum delivery methods, student modes of expression, and assessment methods as recommended by the student's individual education plan (IEP).

**Teaching Strategies**

Units are activity based. Teacher demonstration and online research activities provide the students with the necessary terminology and methodology to complete the activities. Classroom discussions, collaborative and co-operative learning, online research, report writing and taking notes will assist students in meeting the course expectations. Upon completion of this course, students will demonstrate the ability to apply skills and knowledge to practical situations that involve the completion of work assignments and problem-solving activities.

**Resources/Textbooks/Technological Integration**

Classroom computers, computer hardware components, robotics kits, and online resources.

**Evaluation**

| Term Report   | Final Report                             |
|---|--|
| Students will be evaluated on the overall expectations listed above. Evaluations will cover a balance of Responsibility, Organization, Independent Work, Collaboration, Initiative and Self-Regulation.   | Term 70%<br>Summative task(s) <u>30%</u> |
| <b>100%</b>   |  |
| <b>Key Evaluation Dates:</b>  |  |
| <p><b>Technological Studies summatives will come due within the school's Summative and Evaluation Period between January 8<sup>th</sup> to January 31<sup>st</sup> and June 4<sup>th</sup> to June 26<sup>th</sup>.</b></p> <p><b>Absence from evaluations during these dates must be substantiated with a medical certificate or equivalent documentation as approved by administration.</b></p> |  |

**Classroom Management**

Due to the nature of the technology classroom, no food or beverages, jackets or bags can be allowed. Adherence to school Internet use policy will be strictly enforced. Noncompliance will result in the removal of computer privileges for the students for an indeterminate period of time.

More information on South Carleton High School's policy on Assessment and Evaluation and on Academic Integrity can be accessed on our school website [www.southcarleton.ca](http://www.southcarleton.ca)