West Carleton Secondary School
Introduction to Computer Science
Grade 11, University, ICS 3U
Course Outline

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Course Overview

This course introduces students to computer science. Students will design software independently and as part of a team, using industry-standard programming tools and applying the software development life-cycle model. Students will develop creative solutions for various types of problems as their understanding of the computing environment grows. They will also explore environmental and ergonomic issues, emerging research in computer science, and global career trends in computer-related fields.

Strands of Study

1.   The Computing Environment
2.   Programming in C
3.   Software Project Development
4.   Select topics in Computer Science & Engineering

Evaluation

I   **Term Work: (70%)**
- Unit Tests   35%
- Assignments   35%

II   **Summative (30%)**
- Final project   30%

Course Website

This course uses a website for course information, see the website listed at the top of the page. Striving for the least environmental impact possible, every attempt will be made to make this a paperless course. As a results students will be expected to use this website as a resource throughout the term.

www.emmell.org

Policies and Procedures
Students have been provided with a copy of the West Carleton Secondary School Assessment and Evaluation Policies and Procedures as laid out by OCDSB.

Attendance:
If a student is absent from class, he or she will consult the teacher to determine assignments missed, will complete these assignments, and will request extra help if necessary.

Test Policy:
If your child is aware that he/she will miss a test due to an appointment/sports event etc, it is his / her responsibility to let the teacher know **ahead** of time. The student will then make arrangements with the teacher to write the test **ahead** of time. Department policy requires that students verify any absences from tests with a note from a parent, guardian or doctor. Upon receipt of the note, the student will be allowed to write a compensation test to make up the mark.

Homework:
The amount of homework will depend on the assignment and/or unit of study. Given the nature of the course, it is difficult to track the successful completion of homework in some units. Often your child will be faced with a single homework question for several days. In such situations, it is important that your child spend some time each night on program design and/or development. If your child is experiencing difficulty with the homework, it is his/her responsibility to clarify any problems with the teacher. Extra help can be provided outside of class time upon student request. Homework completion is an integral part of your child's success.

Personal Work
It is essential for both educational and ethical reasons that each person do his/her own work. There is a distinction between getting help and copying. The board-wide policy on copying/cheating will be followed.

Summative Evaluations
All computer science students are required by the Ontario Ministry of Education to perform a rich assessment task towards the end of the school year. This task will take place within the last two weeks of the semester. <u>**Students cannot miss these summative evaluations unless they have a medical certificate.**</u>

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Thank You
West Carleton Computer Science Department

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