Course: ICS2OI – Introduction to Computer Programming - Grade 10 Open Level

Teacher: Teacher Contact Information:

COURSE DESCRIPTION:

This Grade 10 course will investigate how computers are used to solve problems. The course provides students with the opportunity to develop the logical thinking processes used in designing computer solutions to problems and to acquire fundamental computer programming skills that will enable them to create a functional computer programs in Turing. They will also learn to manage a computer by studying hardware, software, operating system functions, networking, and safe computing practices. Finally, students will investigate the impact of computer technologies on society and explore the career prospects related to computer studies.

	Unity of Study	Overall Expectations (Essential Learnings)	Assessment
70 %	Understanding Computers	Demonstrate an understanding of basic hardware, software, operating systems, networking and system maintenance of a computer.	Variety of formative and summative assessments in the form of assignments & tests. ~ 15%
	Introduction to Programming	Be able to demonstrate fundamental programming concepts. Be able to plan computer programs using an algorithm. Demonstrate the ability to create computer programs to solve various problems. Use clear and proper programming conventions to write and maintain computer programs.	Variety of formative and summative assessments in the form of assignments & tests. ~ 40%
	Computers & Society	Demonstrate an understanding about the impact of computers on society. Demonstrate an understanding of careers prospects related to computer studies.	Variety of assessments in the form of assignments. ~ 15%
30 %	MPA	Create and plan a programming solution designed to meet the essential learnings.	Summative Final Evaluation. ~ 30%

Any critical evidence of learning that is missing may result in loss of a credit.

Please see school website for detailed School Assessment & Evaluation Policy.

Course Integrity:

Any student who fails to complete a required assignment or uses, copies or borrows any portion of another person's assignment and submits it, in whole or in part, as their own will be required to complete an alternative assignment. The student providing their assignment (whole or in part) to another student will also be held accountable. Students may be sent to see their Vice-Principal.