

## **COMPUTER SCIENCE**

The knowledge gained from the 3 levels of this course will provide an excellent head start for students who are interested in pursuing the following courses at Post-Secondary: Engineering, Computer Science, Programming/Application Development and Web Development. At the Advanced level, Computer Science may be used as Science for University entrance. As well, students are able to write the Advanced Placement Computer Science exam.

### **COMPUTER SCIENCE – INTRODUCTORY (5 Credits)**

Must be strong in Mathematics

This course will give students an introduction to Visual Basic, HTML, XHTML, CSS, Javascript and PHP. Prior programming experience is NOT necessary for success. However, a strong background in mathematics will be an advantage.

### **COMPUTER SCIENCE- INTERMEDIATE (5 credits)**

Students will extend their knowledge from Computer Science Introductory. They will code instructions to solve more complex identified problems using Visual Basic and they will be introduced to their second programming language, JAVA/C#/C++.

### **COMPUTER SCIENCE - ADVANCED (5 credits)**

Students will further extend their skills developed in Computer Science Intermediate and they will be able to explore areas that most interest them. For example, a student may be required to complete a sophisticated problem using the following: Visual Basic, Java and/or JavaScript HTML, CSS, C#, C++.