

PROGRAMMING 11/12

CLASS WEBSITE: WWW.MRHAMLIN.CA

Mr. Hamlin



Pinetree Secondary School - 3000 Pinewood Ave. Coquitlam, BC V3B 7Y7

Why learn to program?

Programming skills are becoming ever more important, quickly turning into *the* core competency for all kinds of 21st Century workers. Learning to program is important because it develops **analytical and problem solving abilities**.

It is a creative activity and provides us a mean to express abstract ideas. Thus programming is fun and is much more than a vocational skill. By designing programs, we learn many skills that are important for all professions. These skills can be summarized as:

- o Critical reading
- o Analytical thinking
- o Creative synthesis

Course Units

Unit	Description
1	HTML
2	CODE HS
3	Java with BlueJ
4	Code Academy
5	Python
6	Internet & Social Media
7	Personal Project

Student Expectations

- Be courteous and respectful during class time
- Arrive to class on time, ready to work
- Check the website at home if you miss a class
- Take personal responsibility for their work and participation
- Ask for help as many times as you need to find success
- Be social, make friends, and work as a group to solve problems

Course Goal

Learn to think like a computer programmer

COURSE MARK BREAKDOWN

Weekly Assignments	35%
Tests & Quizzes	35%
Projects	30%
Total	100%



The first ever computer programmer was a woman, Miss Ada Lovelace

Course Description

This course is designed to introduce the basic concepts of computer programming. Based in the Java programming environment, ICT Programming 11 will teach students to solve problems and strategize in an organized and productive way. Logic and problem solving skills will be heavily relied upon to succeed.

Students will use a number of programs and interfaces such as Dreamweaver, HTML, BlueJ, Scratch, Code Academy, and CODE HS to support their learning.

Class Website

Homework, assignments, handouts, and much more are all available at our website: www.mrhmlin.ca

Teacher Contact

e-mail: jhamlin@sd43.bc.ca