

Computer Studies 10

Students will explore a variety of introductory topics in the field of Computer Science. It is assumed that students come into the course with no prior experience in these topics. Core units and their approximate weighting in the course are

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| ● Digital Editing (Photoshop) | 5% |
| ● Web Design (HTML & CSS) | 10% |
| ● Programming / Coding | 20% |
| ● Content Management Systems (Blogging, Wordpress) | 10% |
| ● Digital Communications and the Internet | 18% |
| ● How Computers Work | 12% |
| ● Data Management and Analysis | 10% |
| ● 3d Modeling | 5% |
| ● Audio / Video Editing | 5% |
| ● Ethics and Societal Impact of Computing | 5% |

The aim of the course is to strike a good balance between building foundational knowledge (through reading, writing, watching videos, and discussions) and developing practical computer skills to create digital projects. When developing digital pieces students will focus on the concepts of *ideating, prototyping, testing, debugging, and sharing*.

Assessments

The course will have a combination of assessments that include traditional quizzes, digital projects that students complete at home, discussions, reflections, and hands-on assessments.

In addition to completing and submitting work online, students will be required to attend the following supervised assessments at Burnaby North Secondary School:

Supervised Assessment 01 - Web Design, Programming, Digital Communications, The Internet
Thursday, July 16th (noon to 3pm)

Supervised Assessment 02 - How Computers Work, Data Analysis, Data Management, Course Terminology
Thursday, July 30th (noon to 3pm)

Computer & Software Requirements

Students should have a computer that they can work on. The course will use a combination of online software and open source software that students can download for free. Students will require a Gmail account as some of the software we use is part of Google workspace.

Time Requirements

This course requires approximately 80-100 hours of time to complete. Time will vary between students. To complete this course by July 31st you will need to allow about 3 hours daily.