

Computer Programming 11

Learning Outcomes: The activities in this course are based on the core competencies and curricular competencies as provided by the Ministry of Education of BC and will introduce students to three key ideas: The design cycle is an ongoing reflective process, tools and technologies can be adapted for specific purposes, and personal design choices require self-exploration, collaboration, and evaluation and refinement of skills.

View the complete Ministry of Education learning outcomes for this course: [Computer Programming 11](#)

Resources: Students are required to submit projects in the programming language Python. Files should be uploaded with the extension .py. Where able, students should use the IDE Thonny (thonny.org) to write Python code. All other resources are provided within the course. Students will need good access to the Internet and will be required to use online tools.

Exams: All exams and quizzes require a password and are to be invigilated by a teacher at your school or an approved testing center. Exams may cause anxiety for some students. See your teacher for study skills if necessary.

Communication: Assignments are submitted directly through your course. Constant communication with your teacher is key to success in a DL course. Phone or email or message your teacher for help whenever necessary.

Goal Setting: This course is self-paced and self-directed. Students should plan on working 5-6 hours a week on this course. It is highly recommended that the student creates a calendar of monthly, weekly and even daily goals. Contact your teacher if help is needed doing this.

Learning Guides/Projects: Print out unit learning guide, complete and upload in pdf form. Once mastered, select and complete a unit project, then upload in pdf form. Please ensure these are neat and organized. Learning guides must be submitted before writing unit exams.

Unit 1: First Computer Program

Unit 2: Beginner Programming

Unit 3: Intermediate Programming

Unit 4: Advanced Programming

Unit 5: Capstone Project

Assessment

Assessments and Quizzes

*all supervised exams must be written at your school or an approved testing center.

This 4-credit course will be broken down as follows:

Unit Learning Guides - 20% of the overall grade.

Unit Projects - 60% of the overall grade.

Unit Quizzes - 20% of the overall grade.