

New Westminster Online Learning School

Course Title and Grade: Mathematics 9

Course Description

Online Mathematics 9 is for all Grade 9 students. There is a review section of Math 8 materials followed by 7 units of Math 9 content including polynomials, algebra, and graphing. An additional Financial Literacy assignment has been added recently to the course. Students who finish the course with strong skills will likely move to Foundations and Pre-Calculus Math 10 later.

Course Expectation

Students are expected to login regularly. Two-credit courses are to be completed in approximately two months. Some testing will be done under the supervision of a teacher.

Enduring Understanding/Big Ideas

- Repeating elements in **patterns** can be identified.
- **Numbers** represent quantities that can be decomposed into smaller parts.
- Objects have **attributes** that can be described, measured, and compared.
- **Familiar events** can be described as likely or unlikely and compared.

Specific Learning Outcomes

Visit: <https://curriculum.gov.bc.ca/>

Course Content

Module 1	Powers
Module 2	Triangles
Module 3	Measurement
Module 4	Polynomials
Module 5	Algebra
Module 6	Inequalities
Module 7	Graphs

Student Learning Activities and Strategies

Worksheets, Written material, videos, quizzes, tests

Assessment

Tests, assignments, and written work

Evaluation

Learning Activity	Percentage of Final Mark
Project	15
Tests	85
Total	100%

Resources

Scientific calculator and a computer with Internet