

New Westminster Online Learning School

Course Title and Grade: Foundations of Mathematics 11

Course Description

Foundations of Math 11 is an academic math course requiring students to have solid fundamental math skills to solve a variety of applications in math. Linear Equations, non-right-angled trigonometry and financial literacy are some of the units comprising FOM 11.

Course Expectations

Students are expected to login regularly. This course is to be completed in approximately four months. Some testing will be done under the supervision of a teacher.

Enduring Understanding/Big Ideas

- **Logical reasoning** helps us discover and describe mathematical truths.
- **Optimization** informs the decision-making process in situations involving extreme values.
- Statistical analysis allows us to notice, wonder about, and answer questions about **variation**.

Specific Learning Outcomes

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

Course Content

Module 1	Systems of Linear Inequalities
Module 2	Non-Right Angled Trigonometry
Module 3	Graphing Quadratic Functions
Module 4	Graphing Systems of Equations
Module 5	Probability and Statistics
Module 6	Finances
Module 7	Logic and Reasoning

Student Learning Activities and Strategies

Worksheets, Written material, videos, quizzes, tests

Assessment

- Tests, worksheets, and projects

Evaluation

Learning Activity	Percentage of Final Mark
Projects	30
Tests	70
Total	100%

Resources

Desmos

Word

Scientific Calculator

A computer with an Internet connection