

## 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 Inequalities, Scale Drawings 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

Unit 1	Finances
Unit 2	Angles
Unit 3	Scale Drawings
Unit 4	Quadratics
Unit 5	Systems of Equations
Unit 6	Inequalities
Unit 7	Probability
Unit 8	Reasoning

### **Student Learning Activities and Strategies**

Worksheets, Written material, videos, quizzes, tests

### **Assessment**

- Tests and Learning Guides

### **Evaluation**

Learning Activity	Percentage of Final Mark
Projects	15
Tests/Quizzes	85
Total	100%

### **Resources**

Word

Scientific Calculator

A computer with an Internet connection