



## **New Westminster Online Learning School**

### **Workplace Math 10 Course Outline**

This course will prepare you to solve a variety of math problems that may arise in everyday life. You will cultivate an understanding of graphs, trigonometry, unit conversions, surface area and volume, data measurements, probability, and different types of income.

### **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**

- **Flexibility** with number builds meaning, understanding, and confidence.
- **Representing and analyzing data** allows us to notice and wonder about relationships.
- 3D objects can be examined mathematically by **measuring** directly and indirectly length, surface area, and volume.
- **Proportional reasoning** is used to make sense of **multiplicative** relationships.

### **Specific Learning Outcomes**

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

### **Materials Required**

Scientific calculator  
Internet access  
Graphing Paper

## Course Content

Unit Name	Content
1. Numeracy	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
2. Measurements	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
3. Geometry	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
4. Trigonometry	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
5. Averages	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
6. Data Analysis	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
7. Graphing and Tables	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
8. Data Analysis	<ul style="list-style-type: none"><li>- One Learning Guide Submission</li><li>- Two quizzes and a Unit Test</li></ul>
<b>One Final Test</b>	

## Student Learning Activities and Strategies

Worksheets, Written material, videos, quizzes, tests

## Evaluation

Learning Activity	Percentage of Final Mark
Written Responses	20
Tests	80
Total	100%

## Resources

A computer with an Internet connection  
Scientific calculator