

New Westminster Online Learning School

Workplace Math 11:

Course Description

Workplace Math 11 uses algebra and trigonometry to solve practical math applications. The study of shapes, linear geometry and statistics will help students who prefer to study technical applications upon graduation. Foundations of Math Principles 10 or Workplace Math 10 are prerequisites.

Course Expectations

Students are expected to complete their online course within a 4–5-month period. If additional time is needed, contact your course instructor.

Before each test, the accompanying learning guide assignment must be completed and submitted online.

Ensuring Understanding/Big Ideas

Students will focus on:

- Learning sound banking, investing and financial decision making.
- Being able to interpret and analyze data relationships.
- Becoming fluent, flexible and strategic in thinking about numbers

Specific Learning Outcomes

<https://curriculum.gov.bc.ca/curriculum/mathematics/11/workplace-mathematics>

Course Content

Module 1	Review – Fractions
Module 2	Measurements
Module 3	Geometry
Module 4	Trigonometry
Module 5	Graphing Tables
Module 6	Data Analysis
Module 7	Finances

Student Learning Activities and Strategies

The online lessons use a combination of text, short videos, interactives, simulations, and animations to help students understand the concepts.

The Learning Guide booklet, provided at the start of each unit, is aligned with the lessons, and forms the notes and practice questions needed for that unit.

Assessment

Each unit has a Learning Guide, quizzes and a test, which can all be completed from home. The Learning Guides and quizzes provide a way to check understanding and to get feedback and help from their teacher.

Important Note: Students are also required to write two exams, a mid-term and final, at a **supervised location**. Students who live outside New Westminster can arrange to have these invigilated at their school or at an educational institution where they live.

Evaluation

Learning Activity	Percentage of Final Mark
Learning Guides	20%
Unit Tests	40%
Midterm	20%
Final Exam	20%
Total	100%

Resources

All materials are available online.