

Workplace Math 11 – Course Outline

Workplace Math 11 is a 4-credit course that satisfies graduation requirements as set out by the BC Ministry of Education.

Welcome!

Welcome to what for many will be the final formal Math experience while in high school. The intention of this course is to serve as a capstone experience for your mathematics learning thus far. The mathematics concepts covered in this course are focused on the math skills and knowledge that you will use as you move through your life.

Many people feel that they will ‘never use math’, but in saying this they fail to see how using math is inescapable for most of us. Have you every had to determine the change from a purchase? Or, the tip to provide for a deserving service? Maybe, you will need to take out a loan at some point; what will this loan actually cost you after you make all of the payments?

Many occupations you may wish to pursue involve math on a regular basis. Trades people measure and need to be able to add measurements together. A Tiler or Painter, might need to calculate the area of a surface to determine the material needed for a job. A Nurse may need to determine volumes to administer medicine, or understand pressures when monitoring a patient’s vital signs.

Often when we think of ‘math’ we think of computations, but from a practical perspective you really should think of it as developing ‘numeracy’. It is commonly understood that literacy is the term used to describe the ability to competently read and speak a language. Numeracy is similar in that it involves the ability to read, speak, write and manipulate numbers/values. Or, perhaps more simply put, becoming comfortable using numbers in daily life.

Much of what we are going to do in this course won’t be new. Rather, we will be spending time revisiting important concepts that you learned (and maybe missed, or are rusty on) at some point in your education thus far. The goal is to bring that which is soon to be important and may have been lost along the way, back to the forefront and to hopefully make these concepts permanent so that they may serve you well in your future.

Yes, this is a grad credit, but I don’t suggest that you look at the course that way. You should be looking at this course as perhaps your final formal opportunity to solidify some practical mathematics knowledge.

Content/Topics

Upon completion of the course, students are expected to know the following:

- financial literacy: personal investments, loans, and budgeting
- rate of change
- how probability and statistics are used in different contexts
- interpreting graphs in society
- 3D objects: angles, views, and scale diagrams

Grading/Assessment

Term Breakdown

Assignments.....	40%
Unit Quizzes	50%
Final Exam	10%

Final Grade

Term 1	45%
Term 2	45%
Final Exam	10%

Late Assignments

Contrary to popular belief, due dates are actually a good thing. They assist us with getting things done in a timely manner. Missing due dates is a bad habit, as is lateness in any form. To assist you with developing good habits a penalty will be applied to all late assignments. The penalty amount will depend on the nature of the assignment. Please submit all assignments on time!

Attendance & Commitment

Success in any endeavor is strongly linked to showing up and trying your best. This course is no different and to do otherwise will likely negatively affect your grade. With respect to attendance, make every effort not to miss class. This being said, despite best intentions, sometimes absences are unavoidable (e.g., illness). To assist you in the event of an absence (and for other reasons) I will be maintaining a course website. Please check this site to find out what has transpired in each day's class. Assignments will be posted on My Education BC and it is expected that you are able to access this site to view your grade and obtain missed/lost assignments as needed.

Class website: <https://workplace11.edublogs.org/>

Course Materials

We will be relying heavily on the Math Works 11 'workbook' throughout the course. Each student will be given a copy on the first day of the course. The cost to cover the printing of the workbook is \$20. Cheques can be made out to Mark R. Isfeld Secondary, alternatively cash can be accepted and a receipt will be provided. If debit or credit is preferred, students will need to arrange this with the school's main office.

Flex Block

Flex Block, is offered that last block of each Friday. I will make myself available every other Friday for extra help on assignments, or if you need to catch up on a missed test. If you have missed a test you are expected to

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

write it at the very next opportunity. Also, expect that if you have missing work/assignment, or are falling behind and you are not attending Flex Block I will request that you do so and you will be expected to attend until such time as you are caught up. Lastly, and hopefully as a last resort, 'Homework Club' (Wednesday, 3:30-4:30) is a possible option for catching up on missed work. You can choose to attend homework club yourself, or you can be referred, and if the latter is required, I will let you know that you need to attend.