

Foundations of Math 11 Course Outline

Foundations of Mathematics 11 is an academic mathematics course which leads to post-secondary programs in arts, humanities, and other programs not requiring calculus. It is intended to increase competence and confidence in math numeracy by studying math concepts that are used in work and in everyday life. The material covered in this course will build on the topics covered in Foundations and Pre-Calculus Math 10, as well as introduces many new concepts.

The topics covered at The Link are identical to the topics covered in any neighbourhood school. In order to receive credit in this class, you must provide evidence that meet all of the Prescribed Learning Outcomes set by the Ministry of Education. Along the way, you will be provided with all the tools necessary to achieve success, but **the ultimate responsibility is on you, the student.**

Course Layout

This course contains nine units:

1. Solving Systems of Linear Equalities
2. Properties of Angles and Triangles
3. Non-Right Angled Triangle Trigonometry
4. Applications of Probabilities and Statistics
5. Graphing Quadratic Functions
6. Graphical Solutions to Systems of Equations
7. Inductive and Deductive Reasoning
8. Financial Literacy

Each unit consists of online lessons and practice questions through Content Connections. For each unit, there is a send-in assignment and a test.

Grading

Your grade for this course will be calculated as follows:

Send-In Assignments: 40%

Tests: 60%

Send-In Assignments:

Before you write a unit exam, you must send me all assignments leading up to the exam. All submissions **MUST** be very neat and well organized. If you can't figure out a question, you should be researching, then asking for help.

Exam Supervision:

All exams are "closed book" and require supervision. If you are unable to access The Link to write your exams, you will need to find a teacher at your school who will supervise your exams. Please have them e-mail me and I will send them the required information.

Resources:

There is NO textbook required for this course. You do need a basic scientific calculator. You will be accessing an external program called Content Connections for your lessons, which are presented in video format. Practice questions and answer keys are included (but are not required for hand in).

Keys to Success:

1. Set goals for yourself – when do you need/want to have this course completed? How much time can you dedicate to this course and when? It is recommended that you spend 6-10 hours per week on this course in order to finish in a timely manner.
2. Actively work through each lesson, trying examples and reflecting on material.
3. Use the send-in assignment as your tool for documenting your understanding. Lay it out neatly and well organized.
4. Make sure you understand any question you get wrong. If you can't figure it out - ASK!
5. Be in regular communication with your teacher.