

Foundations of Mathematics and Pre-Calculus 10: Course Outline

Course: FMP 10

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Course Length:

10 months

(approx. 120 hours)

Course Layout

This course is broken down as follows:

Unit	Topic
Preliminary Assignments	About Me Course Outline
1	Exponents
2	Polynomials
3	Factoring
4	Equations
5	Graphing & Tables
6	Geometry
7	Sequences
8	Financial Literacy
Course Completion	Core Competency Reflection

Assessment

Quizzes and Unit Tests will be marked using a percentage.

Percentage	Proficiency Scale
86%+	Extending
73% - 85%	Proficient
60% - 72%	Developing
50% - 59%	Emerging
<50%	Additional Support Required and Retest

Learning Guides and Inquiry Projects will feature a rubric which will determine the resulting grade for the assignment. Here is an overview of the proficiency grading used within the rubrics:

Category	Percentage
Extending	You have demonstrated a sophisticated understanding of the concept and competency and/or broadened your learning beyond the expectations of this outcome. Your work is detailed and tidy and demonstrates an exceptional understanding of the learning outcomes.
Proficient	You have a complete understanding of the concept and competency. Your work is tidy and demonstrates the strategies used to solve the problems.
Developing	You have demonstrated a partial understanding of the concept and competencies.
Emerging	You have demonstrated an initial understanding of the concept and competency and require additional support to demonstrate understanding.

Upon the completion of this course, you will receive a final grade calculated by weight:

Category	Percentage
Learning Guides	30%
Inquiry Projects	30%
Quizzes	10%
Unit Tests	30%

Homework

Each unit provides a full learning guide, which has practice questions for the unit. There is also a provided answer key for students to check their work. These activities are like practicing questions from a textbook and provide immediate feedback for students to verify their learning.

Assignment: Learning Guides

Each of these submissions will ask for specific questions from the learning guide to be submitted for evaluation. Use the attached worksheets to create a clean and polished copy of your solutions for submission. Do not submit your entire learning guide.

Be sure to keep your work neat and organized. Read the rubric carefully. Communicate your ideas as well as you can.

Assignment: Inquiry Projects

Inquiry projects are designed for you to apply what learned to real life. Each unit has an inquiry project to be completed.

Be sure to keep your work neat and organized. Read the rubric carefully. Communicate your ideas as well as you can.

Review Quizzes

Quizzes can be done on your own (not supervised). Use them as practice – ie. give them a try first, then refer to notes if you need a little extra help. Keep track of where you needed help and review prior to your second try and/or unit exam.

You have two attempts on each quiz. You can view your attempt after it has been graded. Each question has feedback and solutions to help you troubleshoot challenging questions.

Make sure you review your quiz results and let your teacher know if there are issues with your attempt. DO NOT complete a second attempt until you have reviewed the feedback from your initial attempt or have asked your teacher to look at any issues with your initial attempts.

Unit Tests: Exam Supervision

There is a unit test at the end of each unit. There is a total of eight unit tests.

All exams are "closed book" and require supervision.

Your parent or guardian must:

- ensure the student has submitted all the assignments for the unit before taking the test.
- email the teacher at Elixa.Neumann@burnabyschools.ca for the course testing password. Do not share this password with your child.
- supervise your test-taking to ensure no additional notes or resources are used while taking the test.

You will only have one attempt at the unit test unless you receive a score of <85%. In this case, you will be asked to submit the fully completed and self-assessed learning guide for the unit before being allowed to take a second attempt.

Course Activity

Students must be working to complete learning engagements on a regular basis. Students who are inactive after two weeks will receive an email to their Brightspace email program providing a warning of inactivity. Students who are inactive after 1 month may be withdrawn from the course. If a student is planning to be inactive due to personal reasons, they need to contact their teacher to inform them of the period of inactivity.

Students should aim to complete a minimum of one unit per month to finish the course within a 10-month period.

To finalize your registration in the course, you need to complete the Learning Guide or Inquiry Project for Unit 1 within 30 days of your registration. You may be removed from the course if this has not been completed in time.

Contacting your Teacher

The best way to communicate with your teacher is through the Brightspace Email program. To access the email program, click on the small envelope at the top right-hand corner of your screen, then click Email. This will direct you to the Brightspace Email program.

Parents and Guardians can email your teacher at Elixa.Neumann@burnabyschools.ca

Resources

There are NO textbooks required for this course. You do need a basic scientific calculator. There is a formula sheet in the course overview for use.

Plagiarism

Plagiarism is unacceptable under any circumstance. You are expected to create authentic work which demonstrates your own understanding. If you are caught cheating, plagiarizing, or submitting AI-generated responses within this course, you may be removed from the course.

Keys to Success

1. Actively work through each lesson, trying examples and reflecting on material.
2. Use the Learning Guide as your tool for documenting your understanding. Lay it out neatly and well organized and self-mark before submitting.
3. Make sure you understand any quiz/exam question you get wrong. If you can't figure it out - ASK!
4. Use the message system for regular communication with your instructor.