

Mathematics 9: Course Outline

Course: Mathematics 9
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Course Length: 10 months
September - June

Course Layout

This course is broken down as follows:

Unit	Topic
Preliminary Assignments	Course Outline Student Profile
1	Numeracy
2	Exponents
3	Equations
4	Polynomials
5	Graphing & Tables
6	Geometry
7	Data Analysis
8	Finances
Course Completion	Core Competency Reflection

Assessment

Each assignment, including the Learning Guide and the Inquiry Projects, will be marked on the proficiency scale. A rubric is attached to each assignment.

Proficiency	Explanation
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.

Tests will be marked using a percentage.

Percentage	Proficiency Scale
86%+	Extending
73% - 85%	Proficient
60% - 72%	Developing
0% - 59%	Emerging

If you receive Developing or Emerging, you can re-take the test after submitting your completed and self-assessed learning guide to *Tests: Rewind and Rise*.

At the end of the year, you will receive a Proficiency Assessment for the course based on your demonstration of mathematical skills. There are no percentages or letter grades given in this course.

Learning Guides and Inquiry Projects

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.

Learning Guide Assignments indicate which sections of the Learning Guide to submit for assessment. There are clean PDF copies available on the assignment page for printing. Only PDF submissions are accepted.

Inquiry Project Assignments are opportunities for students to connect their learning to real-world applications. There are multiple inquiry projects to choose from in each unit. Students should open the inquiry projects, print them, and submit their completed project.

Students should be reviewing feedback from the teacher for the Learning Guide and Inquiry Project before taking the unit test.

Exam Supervision

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.

All exams are "closed book" and require adult supervision. **Parents or guardians must email the teacher at the start of the course to get the testing password.**

The parent or guardian must:

- Ensure the student has completed and submitted all the assignments in the unit.
- Email the teacher for the course testing passwords.
- Enter the password for the student to begin the test.

- Supervise the test to ensure no additional notes or resources are being used while taking the test. Students are permitted the course formula sheet, a scientific calculator, and scrap paper.

Course Activity

Students must be working to complete learning engagements on a regular basis. Students will receive inactivity reminders if they have not been active in the course for a month.

Students should aim to complete a minimum of one unit per month to finish the course between September to June. **All students are expected to complete the course before the Term 3 deadline in the first week of June.**

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.

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 course formula sheet available under the Course Overview.

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.