



Math Pathways Options (Kennebecasis Valley High School)

All pathways outlined below satisfy graduation requirements; however, post-secondary programs all have specific entrance requirements. The counselling department can be of assistance if you have questions surrounding entrance requirements for different programs.

Pre-Calculus Pathway (Post Secondary involving Calculus including Science, Engineering and Business Programs)

Grade 10	Grade 11	Grade 12
Geometry, Measurement and Finance 10 (GMF 10)	Foundations Math 110	Pre-Calculus A 120
Numbers Relations and Functions 10 (NRF 10)	Pre-Calculus 110	Pre-Calculus B 120
		Calculus 120

Note: KVHS also offers an “AP Calculus Pathway” which allows students the option to take an advanced placement calculus class in the second semester of grade 12. Ask your grade 9 math teacher for the consent form.

Foundations Pathway (Post Secondary that does not involve Calculus)

Grade 10	Grade 11	Grade 12
Geometry, Measurement and Finance 10 (GMF 10)	Foundations Math 110	Foundations Math 120
Numbers Relations and Functions 10 (NRF 10)		

Finance and Workplace Pathway (Applied Mathematics – Direct to work/some NBCC programs)

Grade 10	Grade 11	Grade 12
Geometry, Measurement and Finance 10 (GMF 10)	Financial and Workplace Math 110	Financial and Workplace Math 120 OR NBCC Skilled Trades and Work Ready Math 120

Frequently Asked Questions

1) What courses should a student in grade 9 request for next year?

If a student is uncertain about which math courses to choose for Grade 10, we strongly suggest registering for Geometry, Measurement and Finance 10 (GMF 10) and Numbers, Relations and Functions 10 (NRF 10). Taking both of these courses keeps future options open for Grade 11 math courses, as well as science courses that require math, such as Chemistry 11 and Physics 11.

2) What math courses do students need to graduate?

All students need 2 additional math classes, in addition to Geometry, Measurement and Finance 10 (GMF 10) which is mandatory for all students.

3) What math courses are offered in French?

The following courses are offered in French:

- Geometry, Measurement and Finance 10
- Foundations 110
- Numbers, Relations and Functions 10
- Pre-Calculus 110

Students may choose to take these courses in either English or French.

4) Once a student has started one of the math pathways, are they required to finish it?

No, once students have met the graduation requirement they are not required to take additional math classes, but many post-secondary institutions do require them for admission.

5) What courses should a student register for if they LOVE math?

The AP Calculus pathway offers the most opportunities for students who love math and want to take a university-level course in Grade 12. Students may register for this pathway during the second semester of Grade 9.

In Grade 10, students in this pathway complete the outcomes from three math courses over one period each semester. These courses move at a faster pace and explore concepts in greater depth. Students should be prepared for a challenge and for regular homework.

A consent form and explanation sheet are required and can be obtained from your child's Math 9B teacher.

6) I still have questions. Who should I contact?

If you have additional questions, please reach out to your child's math teacher.