



Math Pathways Options (Kennebecasis Valley High School)

All pathways outlined below satisfy graduation requirements; however, some community college and university programs require certain courses be taken at the high school level. The guidance department can be of assistance if you have questions surrounding entrance requirements for different programs.

Pre-Calculus Pathway

This pathway is organized for students who plan to take post-secondary programs that require calculus. This will satisfy entrance requirements for university programs such as a Bachelor of Science and Engineering

Grade 10: Geometry, Measurement and Finance 10 (GMF 10) and Numbers Relations and Functions 10 (NRF 10)

Grade 11: Foundations Math 110 and Pre-Calculus 110

Grade 12: Pre-Calculus A 120, Pre-Calculus B 120 and Calculus 120

Note: KVHS also offers an AP Calculus Pathway which allows students the option to take Advanced Placement Calculus (university level) in the second semester of grade 12. If your child is interested in this option, have them ask their grade 9 teacher for the explanation and consent form.

Foundations Pathway

This pathway is organized for students who plan to take post-secondary academic programs that do not require calculus. This will satisfy entrance requirements for some community college and university programs such as a Bachelor of Arts.

Grade 10: Geometry, Measurement and Finance 10 (GMF 10) and Numbers Relations and Functions 10 (NRF 10)

Grade 11 and/or 12: Foundations Math 110 and Foundations Math 120

Finance and Workplace Pathway

This pathway is organized for students who plan to take post-secondary programs that require applied mathematics, such as some community college programs, or who plan to enter the workforce directly after high school.

Grade 10: Geometry, Measurement and Finance 10 (GMF 10)

Grade 10 or 11: Financial and Workplace Math 110

Grade 11 or 12: Financial and Workplace Math 120 or NBCC Skilled Trades and Work Ready Math 120

Frequently Asked Questions

1. What math courses do students need to graduate?

All students need 2 additional math classes, after they have taken Geometry, Measure and Finance 10 (GMF 10).

2. My child's teacher is recommending the finance and workplace pathway, but I want my child to take a different pathway. Can they?

Yes, it is the student and parents' decision what courses to take.

3. Is it possible for my child to change pathways in grade 11 or 12?

Yes, if a student has passed the first grade 10 math course (Geometry, Measure and Finance 10) they can take courses from any pathway as long as they are in order.

4. Some of these pathways have a lot of math courses in them! Once you have started one of the math pathways, are you required to finish it?

No, if you have met the graduation requirement you are not required to take additional math classes.

5. My child LOVES math and wants to take as much as possible. What are their options?

The AP Calculus pathway is the pathway that offers that most math courses for those that love math and would be excited to take a university level course in their grade 12 year. In grade 10, this pathway covers the outcomes from 3 courses during 1 period each semester. These outcomes are taught at a fast pace. Students who choose this option should be prepared to be challenged and complete homework regularly. There is an explanation sheet, consent form and teacher recommendation that your child will need to fill out. They can get this from their math 9B teacher.