



Your High School Math Journey

NHS

Mr. Gallop (Guidance)

Grade 10 Math....

- GMF 10
- This stands for “Geometry, Measurement and Finance 10”

- NRF 10
- This stands for “Numbers, Relations and Functions 10”

Everyone signs up for GMF 10 – it is a required course

After GMF 10, you require two more math courses to graduate from High School.....

Here is where you need to do some thinking about what your future plans might be.....

We have three math pathways...

Finance and Workplace Math

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into some college programs and for direct entry into the work force.

Foundations Math

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for post-secondary studies in programs that do not require the study of theoretical calculus.

Pre-Calculus/Calculus

This pathway is designed to provide students with the mathematical understandings and critical thinking skills identified for entry into post-secondary programs that require the study of theoretical calculus.

Topics Covered

Finance and Workplace Math

Topics include financial mathematics, algebra, geometry, measurement, number, statistics and probability.

Foundations Math

Topics include financial mathematics, geometry, measurement, number, logical reasoning, relations and functions, statistics and probability.

Pre-Calculus/Calculus

Students develop a function tool kit including quadratic, polynomial, absolute value, radical, rational, exponential, logarithmic and trigonometric functions. They also explore systems of equations and inequalities, degrees and radians, the unit circle, identities, limits, derivatives of functions and their applications, and integrals

For the Finance
and Workplace
Pathway:

After GMF 10
you choose...

(1) Finance and
Workplace 11
(pre-requisite for
next two
courses)

(2) Then:

* Finance and
Workplace 120

OR

* NBCC Skilled Trades
and Workplace
Ready Math 120

**This will satisfy your
math graduation
requirements!**

Some
opportunities
to which this
pathway may
lead:

- College Diplomas:
Early Childhood
Education,
Firefighting, Drafting,
Welding, Plumbing,
Carpentry, Art and
Design, Forest
Technology, and
Business
- Bachelor
Degrees: Arts,
Applied Arts,
Fine Arts, and
Leadership
Studies

For the Foundations Math Pathway:

After GMF 10 you choose...

(1) Numbers, Relations and Functions 10 (pre-requisite for further courses in this pathway)

(2) Foundations 110 (pre-requisite for further courses in this pathway)

These are your graduation requirements!

- You may, if you wish and/or if you require it for post-secondary, take **Foundations 120** as well 😊

Some
opportunities
to which this
pathway may
lead:

- College Diplomas:

Medical Technology, Business Administration, Practical Nursing, Engineering Technology, Computer Technician, Pharmacy Technology

- Bachelor Degrees:

Nursing (Pre-calculus 110 or Foundations 120) and Recreation and Sport Sciences

Pre-Calculus Pathway:

After GMF 10 you choose...

(1) Numbers, Relations and Functions 10 (pre-requisite for further courses in this pathway)

(2) Foundations 110 (pre-requisite for further courses in this pathway)

These are your High School graduation requirements!

For this pathway, there are several more options depending on your desire to take more math, and/or post-secondary requirements

Further Courses in Pre-Calculus/Calculus Pathway:

Pre-Calculus 11

Pre-Calculus 12A

Pre-Calculus 12B

Calculus 120

Some examples of opportunities to which this pathway may lead:

- College Diplomas:
Engineering and Environmental Technology

- Bachelor Degrees:
Business, Computer Science, Engineering, Environment and Natural Resources, Forestry, Geomatics, Health Sciences, Kinesiology, Medical Laboratory Sciences, Science

If you have further questions, please speak
to your guidance counsellor or math teacher



** It is important to confirm entrance requirements for the specific program(s) in
which you are interested. Requirements may vary between institutions and
programs of study. **