**Miramichi Valley High School**

**Course Selection for Grade 10 for 2016-2017 School Year**

**Student’s Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Telephone Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Required Courses:**

 **French Immersion Students**:

* English Language Arts 10 Full year
* Geometry Measurement and Finance 10
* Number Relations and Functions 10
* FI Science 10
* FI Social Studies 10
* FI Language Arts 10
* FI PE 10

**One of**

* BBT 10
* Music 10

 **English Students:**

* English Language Arts 10 Full year
* Geometry Measurement and Finance 10
* Number Relations and Functions 10
* Science 10
* Social Studies 10
* French 10

 **Two of**

* BBT 10
* Music 10
* Phys. Ed. 10

 **If you are choosing to Fast Track your Math you must have a mark of 85% or higher and select Foundations 110 as your elective.**

**\_\_\_** Foundations Math 110

**Please select one Grade 11 elective ( ) and two alternate classes. Indicate your alternates with “A”**

 \_\_\_ Writing 110

 \_\_\_ Physical Geography 110

 \_\_\_ Visual Art 110

 \_\_\_ Computer Aided Design 110

 \_\_\_ Graphic Art & Design 110

 \_\_\_ Computer Science 110

 \_\_\_ Tourism 110

 \_\_\_ Entrepreneurship 110

 \_\_\_ Technical Support 110

 \_\_\_ Fashion Technology 110

 \_\_\_ Human Services 110

 \_\_\_ Info Technology 120

 \_\_\_ Yoga 110

 \_\_\_ Modern History 112 (\*History 10)

 \_\_\_ Biology 112 (\*Science 10)

 \_\_\_ French 112 (\*French 10)

 \_\_\_ Music 112 (\*Music 10)

**Vocational Courses: Work Boots are required.**

 \_\_\_ Intro to Applied Technology 110 (Carpentry)

 \_\_\_ Metals Fabrication 110

 \_\_\_ Internal Combustion Engines 110

 \_\_\_ Electrical Wiring 110

The graphic below summarizes courses offered in three pathways

 ( *= required for graduation*)

**Mathematics K-9**

***Grade 10***

* *2 x 90 hr courses; required to pass both*
* *May be taken in any order or in the same semester*

**Number, Relations and Functions 10**

**Geometry, Measurement**

**and Finance 10** (1069027)

***Grade 11***

* *3 x 90 hr courses offered in 3 pathways*
	+ *Students are required to pass at least one of “Financial and Workplace Mathematics 11”*

***or*** *“Foundations of Mathematics 11”.*

* *Pre-requisite Grade 10 course(s) must be passed before taking Grade 11 courses.*

**Pre-Calculus 11**

**Financial and Workplace Mathematics 11**

**Foundations of Mathematics 11**

**OR**

*Pre-requisite or Co-requisite:*

*Foundations of*

*Mathematics 11*

*Pre-requisites:*

*Geometry, Measurement and Finance 10*

 *AND Number, Relations and Functions 10*

*Pre-requisite:*

*Geometry, Measurement and Finance 10*

***Grade 12***

* *5 x 90 hr courses offered in 3 pathways*
* *Pre-requisite Grade 11 or Grade 12 course must be passed before taking Grade 12 courses.*

**Foundations of Mathematics 12**

*Pre-requisite: Foundations of Mathematics 11*

**Pre-Calculus 12A**

**Financial and Workplace Mathematics 12**

*Pre-requisite: Pre-Calculus 11*

*Pre-requisite: Financial and Workplace Mathematics 11*

**Pre-Calculus 12B**

*Pre-requisite: Pre-Calculus 12A*

*Pre-requisite: Pre-Calculus 12B*

**Calculus 12**

SUMMARY

The Conceptual Framework for Grades 10–12 Mathematics describes the nature of mathematics, the mathematical processes, the pathways and topics, and the role of outcomes and achievement indicators in grades 10–12 mathematics. Activities that take place in the mathematics classroom should be based on a problem-solving approach that incorporates the mathematical processes and leads students to an understanding of the nature of mathematics.