

# Math Info Sheet

Are you unsure which mathematics course you should take? Before looking at the math descriptions, ask yourself these guiding questions:

- 1. What is your math history? How have you done in Math over the last few years?  
Do you find it easy or difficult?
- 2. What are the entrance criteria for post-secondary programs you may be interested in?  
What program of study do you want to pursue?
- 3. Where do you want to go for post-secondary school?

## Grade 10 Math

The Essential Mathematics course (ESMR2S) is **intended for students whose post-secondary planning does not include a focus on math and science-related fields**. This course is composed primarily of everyday mathematics and contains the least amount of algebra of the courses offered. During the course, students will cover a variety of topics including finance, measurement, geometry and analysis of games and numbers. All topics have number sense embedded within them. *The prerequisite is Grade 9 Math.*

The Introduction to Applied and Pre-Calculus course (IAPR2S) is **intended for students considering post-secondary studies that require applied or pre-calculus math as a prerequisite**. It is generally considered It provides students with the mathematical understanding, and algebraic and critical-thinking skills that have been identified for post-secondary programs of study. Topics include measurement, algebra and number as well as relations and functions. *The prerequisite is Grade 9 Math.*

## Grade 11 & 12 Math

The Essentials Mathematics course (ESMR3S, ESMR4S) builds on the knowledge from Grade 10 math and continues the studies of every day math. *The prerequisite for the Essentials Mathematics course is any math course from the previous grade level.*

The Applied Mathematics course (APMR3S, APMR4S) is intended for students considering post-secondary studies that do not require a study of theoretical calculus. It is context-driven and promotes the learning of numerical and geometrical problem-solving techniques as they relate to the world around us. *The prerequisite for the applied mathematics course is any applied or pre-calculus course from the previous grade level.*

The Pre-Calculus Mathematics course (PCMR3S, PCMR4S) focus on preparing students for the future investigation of calculus. They meet all of the requirements for students planning to pursue mathematics, engineering and/or science based programs in University. *The prerequisite for Pre-Calculus Mathematics is the Pre-Calculus course from the previous grade level.*

There are still 3 streams of mathematics for grades 11 and 12 in the new curriculum.  
The configuration of Math courses will be as follows:

