Math Information 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:

Essential Mathematics (ESMR2S) is **intended for students whose post-secondary planning <u>does not include</u> 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.*
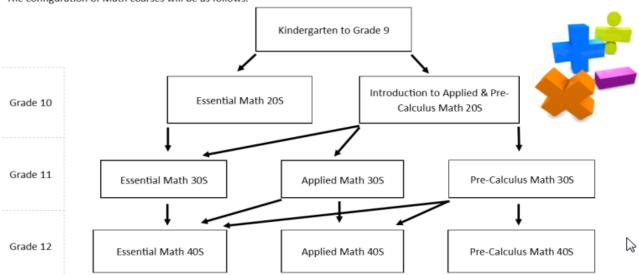
Introduction to Applied and Pre-Calculus (IAPR2S) is **intended for students considering post-secondary studies that require applied or pre-calculus math as a prerequisite**. The course provides students with the mathematical understanding, and algebraic and critical-thinking skills that have been identified 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:

Essentials Mathematics (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.*

Applied Mathematics (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.*

Pre-Calculus Mathematics (PCMR3S, PCMR4S) focuses 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: