Course: Mathematics 10 Foundations & Pre-Calculus
Course Format: Online
Credits: 4

Description: The goal of this course is to provide students with the mathematical understandings and critical-thinking skills identified for post-secondary studies.

Content Learning Standards:
- Number: multiplication of polynomial expressions; polynomial factoring; financial literacy: gross and net pay
- Computational Fluency: operations on powers with integral exponents; linear relations, including slope and equations of lines
- Patterning: solving systems of linear equations
- Geometry and Measurement: primary trigonometric ratios
- Data and Probability: relationships among data, graphs, and situations; experimental probability
- Focus on problem solving
- Financial literacy: regardless of the course selections made by students, there is a common experience in Mathematics that includes financial literacy
- First Peoples perspectives are reflected throughout the learning standards

Curricular Competency Development Leaning Standards:
- Reasoning and modelling
- Understanding and solving
- Communicating and representing
- Connecting and reflecting

After successful completion of the Foundations of Mathematics and Pre-Calculus 10 course students can choose to take, Foundations of Mathematics 11 (if the student is planning to take a post-secondary program that does not require the study of theoretical Calculus) or Pre-calculus 11 (if the student is planning to take a post-secondary program that requires the study of theoretical Calculus).

Please note the **Provincial Graduation Numeracy Assessment** should be written in grade 10 and is requirement for graduation.

Recommended Prerequisite: Mathematics 9
Resources: Online course materials