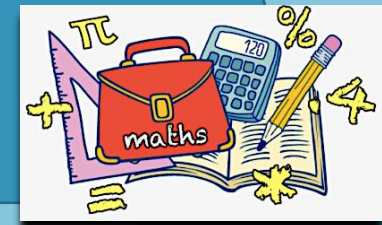


Foundations of Mathematics(MBF3C)



This course enables students to broaden their understanding of mathematics as a problem-solving tool in the real world. Students will extend their understanding of quadratic relations; investigate situations involving exponential growth; solve problems involving compound interest; solve financial problems connected with vehicle ownership; develop their ability to reason by collecting, analysing, and evaluating data involving one variable; connect probability and statistics; and solve problems in geometry and trigonometry.

Mathematical Modelling

- Connect graphs and equations of quadratic relations
- Connect graphs and equations of exponential relations and demonstrate an understanding of exponents
- Solve problems involving exponential relations in real-world applications

Geometry and Trigonometry

- Represent two-dimensional and three-dimensional figures in a variety of ways
- Solve problems using primary trigonometric ratios, sine law, and cosine law

Personal Finance

- Compare simple and compound interest, relate compound interest to exponential growth
- Compare services available from financial institutions
- Interpret information about owning and operating a vehicle

Data Management

- Understand common statistical terms
- Collect, analyse, and summarize one-variable data
- Determine and represent probability, and identify and interpret its applications