

## Mathematics

Course Code	Title	Course Category	No. of AUs	Pre-requisites
ASM10C	Number Topics	Core	2	-
ASM10D	Geometry Topics	Core	2	-
ASM40A	Further Mathematics Topics	Core	2	-

### ASM10C Number Topics

This course aims to build up your knowledge, deepen your understanding, and hence improve your confidence in the teaching of the core Number concepts which form part of the Singapore Primary Mathematics Syllabus. These include: the historical evolution and symbolic meaning of our modern Hindu-Arabic numeration system, extended number systems such as negative and rational numbers, divisibility and the properties of prime numbers, and problem solving involving ratios, proportions and rates.

### ASM10D Geometry Topics

This course aims to build up your knowledge, deepen your understanding, and hence improve your confidence in the teaching of the core Geometry concepts which form part of the Singapore Primary Mathematics Syllabus. These include: historical origins of axiomatic approaches to geometry, the properties of extended figures, length area and volume measurement, and transformations and the generation of symmetrical objects.

## **ASM40A Further Mathematics Topics**

This course aims to build up your knowledge, deepen your understanding, and hence improve your confidence in the teaching of the Core Concepts which form those parts of the Singapore Primary Mathematics Syllabus taught at the Upper Primary level and which do not fall under either Number Topics or Geometry Topics, including: algebraic problem solving, discrete mathematics, representation of data and statistical measures.