

# Syllabus

## Syllabus outline

Syllabus component	Suggested teaching hours— SL	Suggested teaching hours— HL
<b>Topic 1—Number and algebra</b>	16	29
<b>Topic 2—Functions</b>	31	42
<b>Topic 3—Geometry and trigonometry</b>	18	46
<b>Topic 4—Statistics and probability</b>	36	52
<b>Topic 5—Calculus</b>	19	41
<b>The “toolkit” and Mathematical exploration</b>  Investigative, problem-solving and modelling skills development leading to an individual exploration. The exploration is a piece of written work that involves investigating an area of mathematics.	30	30
<b>Total teaching hours</b>	150	240

All topics are compulsory. Students must study all the sub-topics in each of the topics in the syllabus as listed in this guide. Students are also required to be familiar with the topics listed as prior learning.

