KINGSCLIFF HIGH SCHOOL

ACHIEVEMENT THROUGH ENDEAVOUR

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Subject Selection Information

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Faculty: Mathematics

Subject: Mathematics Extension 1

Units: 1

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Classification of the Course:

Category A

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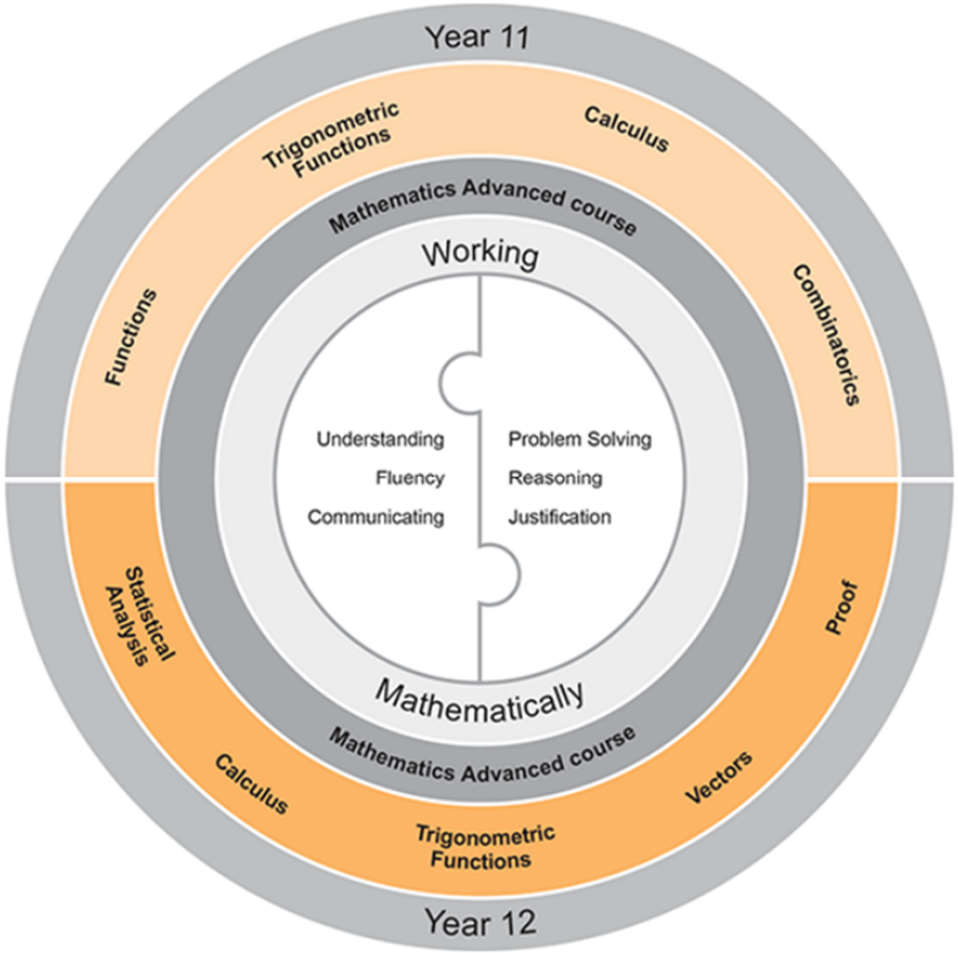
Nature of the Course

Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2, form a continuum to provide opportunities at progressively higher levels for students to acquire knowledge, skills and understanding in relation to concepts within the area of mathematics that have applications in an increasing number of contexts.

Students of Mathematics Extension 1 are required to undertake the Mathematics Advanced course concurrently. The course provides further opportunities to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively.

Extension 2 Mathematics may be taken in Year 12 for those who study Extension 1 in Year 11.

Summary of Topics



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HSC Exam: Yes

Length of Exam: 2 hours

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Internal Assessment Structure

Year 11
Class Test
Assignment / Investigation Task
Exam

Year 12
Class Test 1
Assignment / Investigation Task
Class Test 2
Exam

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Elective fees for the Course:

Nil

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Skills Required for this subject and/or any Prerequisites:

The study of the 5.3 sub-strand in Years 9 and 10 is strongly recommended.

Mathematics Advanced must be studied at the same time.

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Career Opportunities

Mathematics Extension 1 will help students develop skills which will help them in the following career paths:

Commerce & Economics
Data Analysis & Statistics
Engineering
Education (Secondary & Tertiary)
Health Sciences
Physical Sciences
Technology