Mathematics in Years 11 and 12

What are your options?

Choosing which level to study

- This is an important step for success in Senior Mathematics.

- You need to consider the skills you already have as some courses assume you have a strong base of mathematical knowledge.

- Research your future pathway and what level you need to enter particular course.

Guidelines for choice based on current level of study

Years 9 and 10	Preliminary	HSC
Stage 5.1	Mathematics Standard (2U)	Mathematics Standard 1 (2U)
Stage 5.2	Mathematics Standard (2U)	Mathematics Standard (2U)
Stage 5.3	Mathematics Advanced (2U)	Mathematics Advanced (2U)
High Achievement in Stage 5.3	Mathematics Extension (1U)	Mathematics Extension 1 (1U)
	High Achievement in Mathematics Extension 1	Mathematics Extension 2 (1U)
Life Skills	Life Skills	Life Skills

Mathematics Advanced (2U)

Category A – NESA Developed Course

Counts towards ATAR

Mathematics Advanced

- This is a Calculus based course which is useful for courses in areas such as Science, Engineering and Economics.

- This course requires a solid base of knowledge, particularly in Algebra, Graphing and Surds.

- Studying Level 5.3 in Years 9 and 10 is a definite advantage.

- The work is covered at a fast pace.

Mathematics Extension Courses

- In Year 11, Extension Mathematics is available as an extra 1 unit course to be studied together with Advanced Mathematics.

- It is recommended for those students who have achieved at a high standard in the advanced 5.3 level in Year 10.

- The work is covered at a fast pace and a high level.
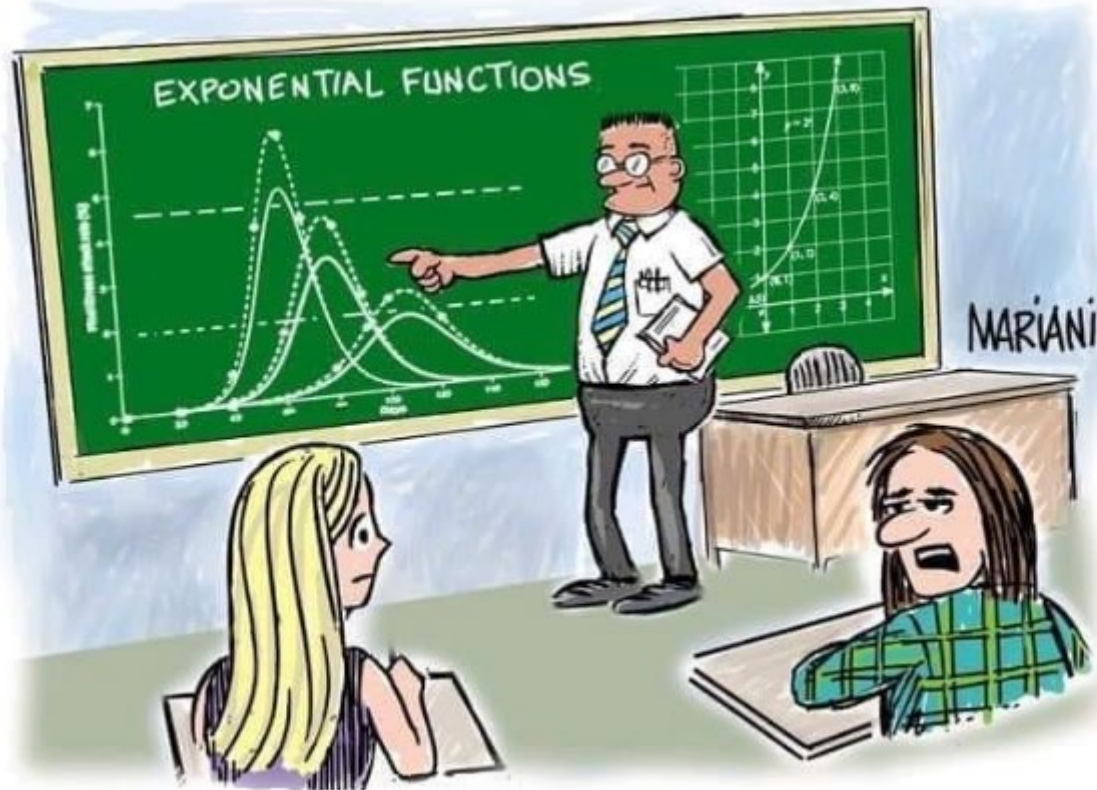
Mathematics Extension Courses

- Extension Mathematics in both Year 11 and 12 is run off-line with classes outside of the usual school day. These classes usually run before school and also, if possible, on Wednesday afternoon.

- In Year 11, Extension Mathematics is available for an extra 1U studied in conjunction with Advanced Mathematics. In Year 12, this leads into Extension 1 Mathematics.

Mathematics Extension Courses

- In Year 12, Extension 2 Mathematics is also available to those students who have shown a high level of achievement in Year 11 Extension and Advanced Mathematics.

- This level of study gives students experience in university level concepts that they may study in their chosen tertiary courses. It is also run off-line with classes outside of the usual school day.

"LIKE WE'LL EVER USE THIS...."

Mathematics Standard (2U)

Category A – NESA Developed Course

Counts towards ATAR

Mathematics Standard

- This is an excellent all rounder course in Senior Mathematics.

- It builds on the concepts covered in Years 9 and 10 and requires a less rigorous application of algebra than Mathematics Advanced.

- Topics such as Trigonometry, Investment and Annuities, Statistics and Networks give students skills for both employment and further education.

Mathematics Standard

- Students who have studied at Level 5.2 or struggled at Level 5.3 should have a good base of knowledge to study at this level.

- Students who achieve success in this course in Year 11 are encouraged to study Maths Standard 2 in Year 12. This course can count towards an ATAR calculation for university entry if required.

Mathematics Standard

- Students who struggle with the Mathematics Standard course in Year 11 may choose the less rigorous Mathematics Standard 1 course in Year 12.

- This is a category B course and only 2 units of category B courses can count towards the 10 units of NESA developed courses required for an ATAR.

- Guidance is available for students when making this decision.

Senior Numeracy Course

- Mudgee High has applied to be part of a trial of a Senior Numeracy course being developed by NESA.

- This course is designed to build the numeracy skills for those students who are not meeting the minimum standards as set by NESA.

- If we are accepted into the trial, more information will be made available to you.

Mathematics Life Skills

NESA Developed Course
Does NOT count towards ATAR
Counts toward a Certificate of Attainment

Mathematical Life Skills

- This course is available for eligible students only.

- It aims to strengthen basic mathematical skills.

- Designed for students who are adversely challenged by mainstream courses.

- It is offered in Years 11 and 12.