

PRE-UNI NEW COLLEGE

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3-Day Core Topics Mathematics Intensive

Master essential concepts, strengthen connections and solve with confidence

LIVE ONLINE CLASS

THREE FOCUSED DAYS | STRONGER MATHS FOUNDATIONS

This focused three-day program targets essential Stage 4 and Stage 5 Mathematics topics that underpin success in higher-level study. Students will strengthen core techniques, identify gaps in understanding and develop efficient problem-solving strategies through explicit instruction, guided examples and targeted practice. Calculators may be used where appropriate, allowing students to tackle more complex applications while developing accuracy and confidence.

WHY CORE TOPICS?

- Consolidate the concepts most important for future Mathematics
- Connect algebraic, geometric and graphical ideas
- Apply appropriate calculator techniques to complex problems
- Prepare for school assessments and higher-level Mathematics

PROGRAM OVERVIEW

STAGE 4 - 9:00 am-12:00 pm

Day 1: Coordinate Geometry & Linear Relationships

Day 2: Trigonometry

Day 3: Congruency & Similarity

STAGE 5 - 1:00 pm-4:00 pm

Day 1: Further Trigonometry

Day 2: Circle Geometry

Day 3: Functions & Graphs



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What's On

Pre-Uni New College Academic Key Dates

27 Sep 2026

- Term 3 Course Ends

19 Sep 2026

- Spring Early Bid offer ends

28 Sep 2026

- T4 Early Bird offer ends
- T4 Scholarship & Sibling offer ends

28 Sep – 02 Oct

- Spring Holiday Period

10 Oct 2026

- 2026 Term 4 Course Begins

28 Nov – 4 Dec 2026

- Term 4 Term Tests Period

20 Dec 2026

- Term 4 Course Ends

Notes

Students MUST bring their own scientific calculator to EVERY Math class.

3-Day Intensive Course Outline

LIVE ONLINE CLASS - CALCULATORS PERMITTED

STAGE 4	FOCUS AREAS
Tuesday 6 October Coordinate Geometry & Linear Relationships	Gradient, distance and midpoint; graphing linear relationships; interpreting equations and solving coordinate problems.
Wednesday 7 October Trigonometry	Pythagoras, trigonometric ratios and exact reasoning in right-angled triangle problems.
Thursday 8 October Congruency & Similarity	Congruency tests, similarity, scale factors and geometric reasoning with clear written justification.
STAGE 5	FOCUS AREAS
Tuesday 6 October Further Trigonometry	Non-right-angled triangle techniques, exact values and multi-step trigonometric reasoning.
Wednesday 7 October Circle Geometry	Angle properties, chord and tangent relationships, and structured geometric proofs.
Thursday 8 October Functions & Graphs	Understanding functions, interpreting notation and analysing key features and transformations of graphs.

- **3Days CORE MATHS INTENSIVE (6th Oct – 8th Oct) \$270 per subject.**
- **Early Bird Discount Price: \$240 per Subject**
(Prices are valid for advance payments by **19th Sep 2026**)
- **ENROL IN 2 OR MORE HOLIDAY COURSES AND RECEIVE 10% OFF*** (English and Maths)
- **Online Payment Option** is available via **Cyberschool**.