

Euler vs Enrichment Classes: What’s the difference?

Good curriculum and instruction for all learners is a cornerstone of all teaching and learning at St Peters. All students need content that is relevant, meaningful and purposeful in classrooms that are respectful and responsive to their needs. Students with high academic potential generally grasp new concepts quickly and easily and therefore will, at times, require a more rapid instructional pace. However, at other times, these same students may require a slower pace of instruction so that they can delve into concepts more deeply and process concepts more abstractly.

In recognition of the distinct needs of high ability mathematics learners, St Peters offers two styles of enrichment maths classes from Years 8 – 10.

The Euler Program is an accelerated maths enrichment program aimed at highly talented mathematicians who have been identified as benefiting from a much faster pace of delivery and content which is significantly greater in complexity and depth. In this **telescoped program**, the students complete the three years of the ACARA mathematics curriculum (Years 8 – 10) in the first two years and a specialised enrichment program in Year 10.

The Mathematics Enrichment program is aimed at talented mathematicians. It covers the ACARA Maths curriculum for each targeted year. Mathematical learning involves a depth of content and complexity appropriate to the high level of students, but not to the same degree as in the Euler program. Students complete the extension topics within the ACARA course to the appropriate year level standard.

General Year Level Mathematics classes cover core ACARA Maths curriculum for the targeted year and may ‘touch’ on some extension topics depending upon student needs.

Identification Criteria

Students are initially identified to enrol in the class if they meet the criteria set out in the table below. Once students have met the criteria, additional processes are then used to refine the class composition. Current students in Year 7 complete all assessments required for identification. New students to the College are assessed individually prior to potentially entering the program.

	Euler	Extension
AGAT (ACER General Abilities Test) Numerical Reasoning Strand	14/15 or above.	13/15 or above
PAT-M (Progressive Achievement Test in Mathematics)	95th percentile or above.	90th percentile or above
Academic Report Grade in Mathematics	A- or above	B+ or above

Assessment and Reporting

All students, regardless of mathematics stream, work through the Australian Curriculum Achievement Standards for Mathematics in Years 8 – 10. They sit the same assessments at the same time as their year level peers to ensure transparency and consistency. The Euler class also complete additional assessment tasks based on their class’ specific challenges. The Academic Report includes a grade for the student according to their year level Australian Curriculum and an additional grade for students working in the Euler Program. Students from Euler and Extension are not advantaged or disadvantaged with regards to College academic awards.