

The Euler Program

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

The curriculum presented is condensed in order to reduce repetition of easily mastered material. This enables students to focus on more challenging mathematics. The course includes a significant component of **problem-based learning, facilitating a more collaborative, learner centred approach** and allowing students to develop strategies required to persevere with complex problems whilst in a supportive environment.

Identification Criteria

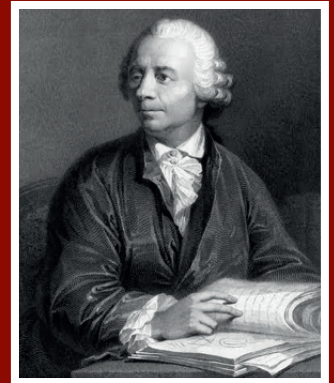
Students are initially identified to enrol in the class if they meet the criteria set out in the table below. Once students have met the criteria, additional processes are then used to refine the class composition. Current students in Year 7 have completed all assessments required for identification.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

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

Assessment and Reporting

All students 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. They are also assessed on their class' specific challenges in a predominately formative manner. Their formal Academic Report includes a grade for the student according to the Australian Curriculum and an additional grade for the Euler Program. Students are not advantaged or disadvantaged with regards to College academic awards.

The Euler Program is an ongoing collaboration between St Peter's Lutheran College's Maths Department and Exceptional Learners Department providing a gifted, telescoped program for talented mathematicians in Years 8 - 10. For further information please contact either of these departments.



Leonard Euler (1707-1783) was a Swiss mathematician, physicist, astronomer, geographer, logician and engineer who made numerous important and influential discoveries in a wide variety of branches of mathematics. He was one of the most eminent mathematicians of the 18th century and is held to be one of the greatest mathematicians in history. Euler is recognised by the Lutheran Church as a devout Christian who defended his faith.