Mathematics
Learning Area Overview

The learning and teaching program at Kilbreda College is both dynamic and innovative, catering for the students' spiritual, academic, social, emotional and physical development. Students are challenged to be creative, critical and reflective thinkers and to develop a broad and transferable skill set. Opportunities for both independent and collaborative learning are provided and contemporary technologies are integrated throughout the learning and teaching program.

Mathematics at Kilbreda College is taught as a whole class discipline. Students remain in their homeroom groups in Years 7 to 9 and access a broad curriculum that follows the guidelines of the Victorian Curriculum. Your child will participate in individual, small group and whole class activities. She will play maths games and use interactive technologies that reinforce her learning in class.

Textbooks are supported by digital resources, meaning that your daughters can use technology to access their text book and other resources both in the classroom and at home. The inclusion of supporting digital resources provides students with video and visual examples to assist in the acquisition of mathematical knowledge and skills.

Your daughter will be given opportunities to learn in fun and active ways. She will be supported by her teacher and classroom support staff as needed. Our goal is to assist each student to achieve their maximum potential and for all students to become mathematically literate members of society.

The Mathematics curriculum ensures that the links between the various components of mathematics, as well as the relationship between Mathematics and other disciplines, are made clear. Students have opportunities to engage in authentic learning experiences that bring the mathematics curriculum to life.

Mathematics Curriculum

The Mathematics curriculum includes a range of core subjects and electives, both semester based and year long.

YEAR 7	YEAR 8	YEAR 9
Core Study – Year Long	**Core Study – Year Long**	**Core Study – Year Long**
• Mathematics	• Mathematics	• Mathematics
		Elective Study - Semester Based
		• The Shape of Things to Come

YEAR 10	YEAR 11	YEAR 12
Core Study - Year Long	**Elective Studies – Year Long**	**Elective Studies – Year Long**
• Mathematics	• Foundation Mathematics 1&2 • General Mathematics 1&2 • Mathematical Methods 1&2 • Specialist Mathematics 1&2	• Foundation Mathematics 3&4 • General Mathematics 3&4 • Mathematical Methods 3&4 • Specialist Mathematics 3&4

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Mathematics
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Cocurricular Opportunities

- Enrichment activities Years 7 and 8
- Inspire STEM Year 9
- AMT Mathematics Competition
- Maths Challenge

Victorian Curriculum

The Mathematics curriculum aims to ensure that students:

- develop useful mathematical and numeracy skills for everyday life, work and as active and critical citizens in a technological world
- see connections and apply mathematical concepts, skills and processes to pose and solve problems in mathematics and in other disciplines and contexts
- acquire specialist knowledge and skills in mathematics that provide for further study in the discipline
- appreciate mathematics as a discipline – its history, ideas, problems and applications, aesthetics and philosophy

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