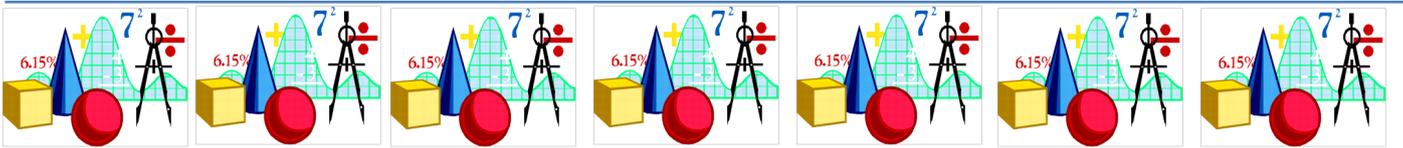




NUMURKAH SECONDARY COLLEGE

Mathematics- Curriculum



Individualised Maths for Every Student

The Mathematics Department at Numurkah Secondary College is dedicated to providing all our students with the essential mathematical skills and knowledge needed for their personal and work lives. Our curriculum focuses on developing students' understanding, fluency, logical reasoning, analytical thought and problem solving skills.

We strive to give all our students mathematical learning that is carefully individualised to meet the needs of all abilities and problem solving projects that challenge, encourage, motivate and create confident learners.

Secondary mathematics involves a shift in mathematical learning to more abstract ideas. For students to grow and succeed in their learning we know that having a strong skill base is crucial. For this reason, in Year 7 and Year 8, all students work on maths that is fully tailored to their skill level using a program called Maths Pathway (www.mathspathway.com). In year 9 and year 10, the focus is on preparing students for the challenges of senior mathematics.

Amazing Achievements in 5 years

- We use Quicksmart to develop our students abilities to calculate in their heads
- We use Maths Pathway to provide work that is tailored to each student





Mathematics-Curriculum

Why are our students shining in Mathematics?

Support for every student, at every level

Fully Differentiated Lessons

Students thrive in an environment where the maths being learned is doable, but with just enough challenge to allow learning to occur. We continually diagnose every student to understand exactly what they'll need to learn. Students then complete work that builds their individual level of understanding. We celebrate hard work, growth and progress. Our students success is measured in how much maths they are learning, not what level they are at.

Mathematics Lesson Structure

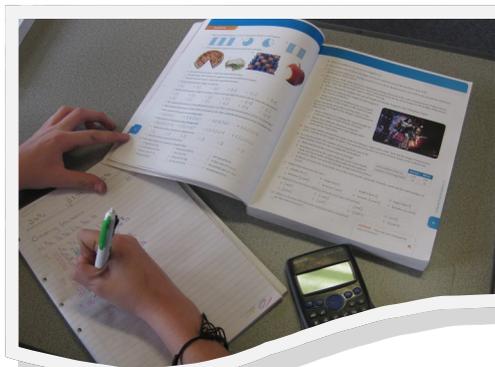
During our lesson, students work on maths that is at their own level. Students have high levels of one on one time with the teacher. The more able students can accelerate and learn new skills that challenge them, while the less able students focus on the skills they need the most. Once a week, there is a numeracy lesson, problem solving work or team task where students embed automatic processes or more complex ways of thinking.

Extra support

Numurkah Secondary College offers all students extra support in Mathematics. Students who are identified as needing extra assistance in class are provided with this in class or small group support from a member of our Educational Support Staff.

Students who are identified as needing more challenging work participate in a small group advanced class once a week, where they complete work designed to extend their ability and inspire a passion for problem solving and mathematics. These students also compete in Australasia-wide competitions.

Maths teachers are available for maths tutoring or assistance with homework. The homework room is open every day, with this time being used for catch up, revision, extra assistance or a chance to learn something new.



Text Books

NSC is currently using the Maths Pathway program at Year 7 and 8. This works as a textbook of the entire maths curriculum from Foundation through to the end of year 10.

Our expectation of students is that they will try their best.
We, as teachers, are here to foster their development to the best of their ability.