



"SHAPING THE FUTURE, BY PURSUING EXCELLENCE AND CREATING BOUNDLESS OPPORTUNITIES"



ELIZABETH MACARTHUR HIGH SCHOOL




MATHEMATICS



RESPECT, RESPONSIBILITY, PRIDE



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 Elizabeth Macarthur High School

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ABOUT US

Mathematics is the study of numbers, shapes and patterns. At EMHS we offer the following subjects for students to develop their understanding in mathematics; yr 7 to 10 Math, Mathematics Standard, Mathematics Advanced, Mathematics Extension 1 and Mathematics Extension 2. The Mathematics faculty at EMHS strives for excellence in teaching and learning by encouraging independent thinking and creativity in an intellectually stimulating environment.

HEAD TEACHER: Simon Suters



MATHEMATICS SUBJECTS

MATHEMATICS

Mathematics allows students to identify, describe and apply patterns and relationships. It provides a means of communication and is a powerful tool for solving problems both within and beyond mathematics. Mathematics in Years 7–10 allows students to develop specific skills and refine their mathematical understanding.

STANDARD MATHEMATICS

Standard Mathematics allows students to develop their knowledge, understanding and skills in working mathematically. Mathematics Standard also provides an appropriate Mathematical background for students entering the workforce and/or undertaking further community and workplace training.



MATHEMATICS SUBJECTS

MATHEMATICS ADVANCED

The Mathematics Advanced course is a calculus-based course which focuses on the development of student awareness of mathematics as a unique and powerful way of viewing the world to investigate order, relation, pattern, uncertainty and generality.

MATHEMATICS EXTENSION 1

Mathematics Extension 1 focuses on allowing students to develop a thorough understanding of and competence in further aspects of mathematics. The course provides opportunities to develop mathematical arguments and proofs, and to use mathematical models more extensively.

MATHEMATICS EXTENSION 2

Mathematics Extension 2 allows students the opportunity to develop strong Mathematical manipulative skills and a deep understanding of the fundamental ideas of algebra and calculus, as well as an appreciation of mathematics as an activity with its own intrinsic value, involving invention, intuition and exploration. Mathematics Extension 2 course will extend students previous knowledge and understanding through exploration of new areas of mathematics not previously seen.

