

Years 11 12 Mathematics

Mathematics is an integral part of a general education and is a compulsory subject in Year 11 and 12 at Trinity Anglican School. Courses available at TAS are Mathematics A, Mathematics B and Mathematics C. These are all Queensland Studies Authority subjects.



In Mathematics A . . .

. . . the skills needed to make decisions which affect students' everyday lives are provided. These skills are also called on in other subjects and provide a good general background for many areas of tertiary study. The study of Mathematics A will emphasize the development of positive attitudes towards a student's involvement in Mathematics.

Mathematics A topics include: Analysing Data, Operations Research and Networks Managing Money, Applied Geometry, Navigation and Land Measurement and Inferential Statistics.

In Mathematics B . . .

. . . mathematical skills are developed which form the basis for further study in mathematics. These skills are needed not only in the traditional careers of engineering or the physical sciences, but also as tools in fields as diverse as agriculture, food technology, geography, biology, economics and management.

Mathematics B is designed to raise students' competence in and confidence with mathematics which are needed to make informed decisions to ensure scientific literacy and to function effectively in a technologically skilled work force. Mathematics B topics include: Applied Geometry, Applied Statistical Analysis, Functions, Rates of Change, Integration, and Optimisation,.

In Mathematics C . . .

. . . students are given the opportunity to develop their full mathematical potential and extend the knowledge

acquired in Mathematics B. The additional rigour and structure of the mathematics required in Mathematics C will equip students with valuable skills which will serve them in more general contexts and provide an excellent preparation for further study of mathematics and other tertiary courses, for example Engineering, Information Technology, Economics, Finance, etc.

Mathematics C is a highly desirable preparatory course for students who intend pursuing a career involving the study of mathematics at a tertiary level. Mathematics C must be studied with Mathematics B. Mathematics C topics include: Group Theory, Complex Numbers, Vectors, Linear Programming and Calculus