Maths at Canberra College 2021

What to expect in Mathematics at Canberra College

High Expectations: At Canberra College we have high expectations of students in all levels of Mathematics. We expect students to come to class ready to learn and **to complete extra study outside the classroom**. We expect assessment work to be of a high standard, the faculty works at assisting students to achieve this.

Use of Technology: All tertiary students will be expected to have a Casio graphics calculator. This is used throughout the T courses. All students doing Accredited Maths should have a Casio scientific calculator. We have Autograph graphing and statistics software in the college. This is also available for students to put on their home computers. We encourage students to use the many resources on the internet to assist with learning and to develop independent learning skills. Classrooms have interactive whiteboards that allow the use of technology in the classroom to assist student learning. Students require access to a digital device to access their textbook. This works well on a chrome book, but other devices can be used.

Mathematics Enrichment: Canberra College offers a range of enrichment activities. There is the annual Maths Camp after which a team is selected to represent the College at the ANU mathematics day. Students have the opportunity to enter a range of competitions including: The Australian Mathematics Competition, The NSW University Mathematics Competition and the Australian Informatics Competition. Students also have the opportunity to apply to complete Maths units at the ANU Secondary College. Students with a strong ability at Mathematics are able to complete a double major ensuring they are very well prepared for tertiary study involving Mathematics.

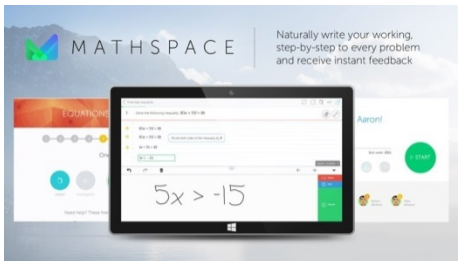
Maths Tutorials: Canberra College runs maths tutorials Tuesday & Thursday afternoons. This is run in the library as a drop in centre. Students can drop in briefly or for the whole time to ask individual questions.

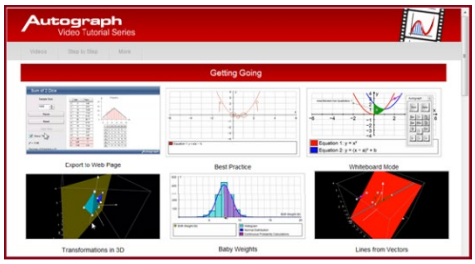
Textbooks: The College is using Mathspace as its textbook. It is an interactive textbook. This provides students with online help and provides them and us feedback on their progress. Mathspace works well on a chrome book.

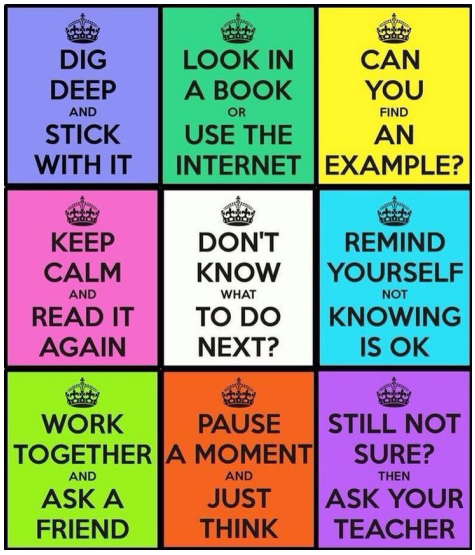
Go to https://www.youtube.com/watch?v=xiDKig3AYl0 to see a video about Mathspace.

Go to http://www.canberrac.act.edu.au/faculties/Mathematics to see the Maths learner guide for students

Go to http://www.bsss.act.edu.au/curriculum/courses to see the new Senior Australian Curriculum Mathematics courses.







Mathematics Courses at the Canberra College 2021

Note: If in doubt attempt the lower level of Maths. Students that do not undertake regular homework are in danger of gaining a D or E grade.

Name of Course	Type of Course	Experience by the End of Year 10
Specialist Mathematics Integrating Australian Curriculum (T) You will need to be doing 2 lines of maths to undertake this course. It is intended for students of well above-average scholastic ability and performance in mathematics.	**To study this course you must also undertake a major in Specialist Methods** Double Major, Major Minor Once combined with Specialist methods major	Unicorn, Lexus or ACE Grade A or B Level 1 or Extended Grade A
Specialist Methods Integrating Australian Curriculum (T) It is expected that students will have demonstrated a very high level of aptitude and achievement in high school mathematics studies. Students are expected to have **very strong** algebra skills. Students may study the Specialist Methods course concurrently with the Specialist Mathematics course that integrates the Australian Curriculum	Major, Minor Must do a major in Specialist Methods if doing Specialist Mathematics	Level 1 Grade A Extended level Grade A or B If doing 10A course a C grade would be okay
Mathematical Methods Integrating Australian Curriculum (T) It is expected that students will have demonstrated a high level of aptitude and achievement in high school mathematics studies. Students are expected to have **strong** algebra skills. Students may study the Methods course concurrently with the Mathematical Applications course that integrates the Australian Curriculum.	Major, Minor	Level 1 Grade A or B Extended level Grade A or B If doing 10A course a C grade would be okay
Mathematical Applications Integrating Australian Curriculum (T) It is expected that students will have demonstrated an interest in high school mathematics and a moderate to high level of achievement. Students may study this course concurrently with the Mathematical Methods course that integrates the Australian Curriculum.	Major, Minor	Level 1 or extended level Grade B, C or D Level 2 Grade A or B or C If you are doing a T package you will need to start in a T Maths. If this proves too difficult there will be options to move to Essential Maths. Working hard in term one is key to ensure we see your true ability.
Essential Mathematics integrating Australian Curriculum (A) This course is intended for students who wish to study mathematics in a more practical way. It is suitable preparation for entry to the workforce and for many apprenticeships	Major, Minor	Core or Level 2 or Level 3