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Maths@GNGC



There are six courses

- ☐ **Specialist Mathematics T**
 - ☐ This is an additional course and Specialist Methods T must also be studied
- ☐ **Specialist Methods T**
- ☐ **Mathematical Methods T**
- ☐ **Mathematical Applications T**
- ☐ **Essential Mathematics A**
- ☐ **Bridging Numeracy A**



Guiding principles for choosing which level

- ☐ Your Year 9 and 10 grades
 - ☐ Below C – Essential Maths
 - ☐ C – Maths Applications
 - ☐ B – Maths Methods
 - ☐ A – Specialist Methods (and Specialist Maths)



Other considerations

- ☐ What are you wanting to do post-college?
 - ☐ UAC guides on prerequisites and recommended courses
- ☐ Interest in Maths
- ☐ Work ethic
- ☐ Generally the hardest level you can get a 'C' at in college would be beneficial no matter what your plans



Specialist Mathematics

- ☐ In addition to a Specialist Methods major
- ☐ Students must be very able
 - ☐ High achievement in AC 10A and NAPLAN band 10 numeracy
- ☐ Study a variety of areas of mathematics including complex numbers, 3D geometry and vectors
- ☐ Prepares students for courses which require high level Mathematical skills



Specialist Methods

- ☐ Must do this course to undertake Specialist Mathematics
- ☐ It is basically the Mathematical Methods course with more depth and difficulty
- ☐ Students must be capable and will need to work hard
 - ☐ High achievement in AC 10A and NAPLAN band 10 numeracy
 - ☐ High attainment in algebra necessary
- ☐ Prepares students for university courses which require Calculus such as engineering, 'hard' sciences, computer science



Mathematical Methods

- ❑ Bs in AC 10, studied 10A, and NAPLAN band 9.
- ❑ Students must be capable and will need to work hard
 - ❑ Does expect high understanding of algebra including quadratics, surds, etc.
- ❑ Prepares students for university courses which require Calculus and a good level of mathematical understanding such as science or the technical fields

Mathematical Applications



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- ☐ Cs in AC 10 and NAPLAN band 8 would be recommended to do this course
- ☐ Continues on from the Australian Curriculum course
- ☐ It has a focus on applications and statistics which would be beneficial for students wanting to study sociology, psychology and humanities at university or to enter the workforce or further training



Essential Mathematics

- ☐ Below a C in AC 10 or band 7 or below in NAPLAN 9 would be recommended to study this course
- ☐ Focus on 'Life' numeracy skills and applications
- ☐ Students who achieved NAPLAN numeracy band 8 or above should NOT do this course regardless of package



Student Advice

- ☐ Know what Mathematics you need to study, for what you want to do!
- ☐ Pick an appropriate level
- ☐ All the work from years 9 and 10 will be built on. Keep continuously revising!
- ☐ You will need to work hard, do homework and study in all levels



Equipment

- A computer device with internet access, such as a laptop, is recommended as all relevant work will be provided electronically but we do still do a lot of work by hand
- A standard scientific calculator is required (we recommend Casio fx-82au). A graphics calculator is **NOT** required.
- Phones are **NOT** permitted in any classroom.

Any Questions?



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Thank you