10/07/2024

Dear Parents

Sixth Form – Important Information and Requirements for Maths and Further Maths A-level specification

Text Books

The Maths Department offers A Level Maths and Further Maths students a digital subscription for their textbooks. The cost of this is £14.50 for Year 12 Maths students or £32.50 for Year 12 Maths & Further Maths students (available on ParentPay under **"Year 12 MATHS A-level digital textbook subscription for 2024/2025"** and **"Year 12 MATHS & FURTHER MATHS A-level digital textbook subscription for 2024/2025";** these Parentpay accounts will be opened on GCSE Results day which is *Thursday 22nd August*).

Calculators

It is most likely that your son's current calculator will NOT have all the required functions required for the new Maths A-level specification. With a greater emphasis on technology, we recommend that all boys studying Maths or Further Maths should have the **Casio fx-CG50 Graphic Calculator** in order to fully access the course. If they do not have this calculator, they must as a minimum have the **Casio fx-991CW Classwiz**.

We have been able to negotiate a reduced price for the Casio fx-CG50 Graphic calculator through an educational supplier. We would like to offer you the option of purchasing this calculator through the School at a price of £85.00 (RRP is over £100). Although the one we are recommending is more expensive, it has more functions that will be extremely useful throughout the Maths A-Level course.

If you wish to order this calculator for your son, please do this via ParentPay under **"A-LEVEL MATHS OR FURTHER MATHS fx-CG50 GRAPHICAL CALCULATOR"** by Friday 13th September.

Summer Preparation

As part of studying the Maths A-Level course at RGS we expect students to bring evidence that they have worked through the *'Maths A-level Transition material'* provided in the 'Dive Into A Levels' web portal (see separate letter and link to the site issued in Parent Comms); which contains worksheets and mark schemes on *"Chapters 1 – 4 on Algebraic expressions, Quadratics, Equations & inequalities and Graphs & transformations".* Students will need to bring this completed and marked work to their first Maths lesson in September, and they should be prepared to sit an algebra test on this material. Students will also find some recommended Mathematical reading and Mathematical YouTube videos on the 'Sixth form Mathematics section' of the RGS web-site to encourage their Mathematical curiosity.

We also expect that all boys studying Maths or Maths & Further Maths in Year 12 will be a Maths Mentor to a younger student, with the mentoring taking place one lunchtime a week. Each mentor works with the same mentee each week.

Kind regards
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