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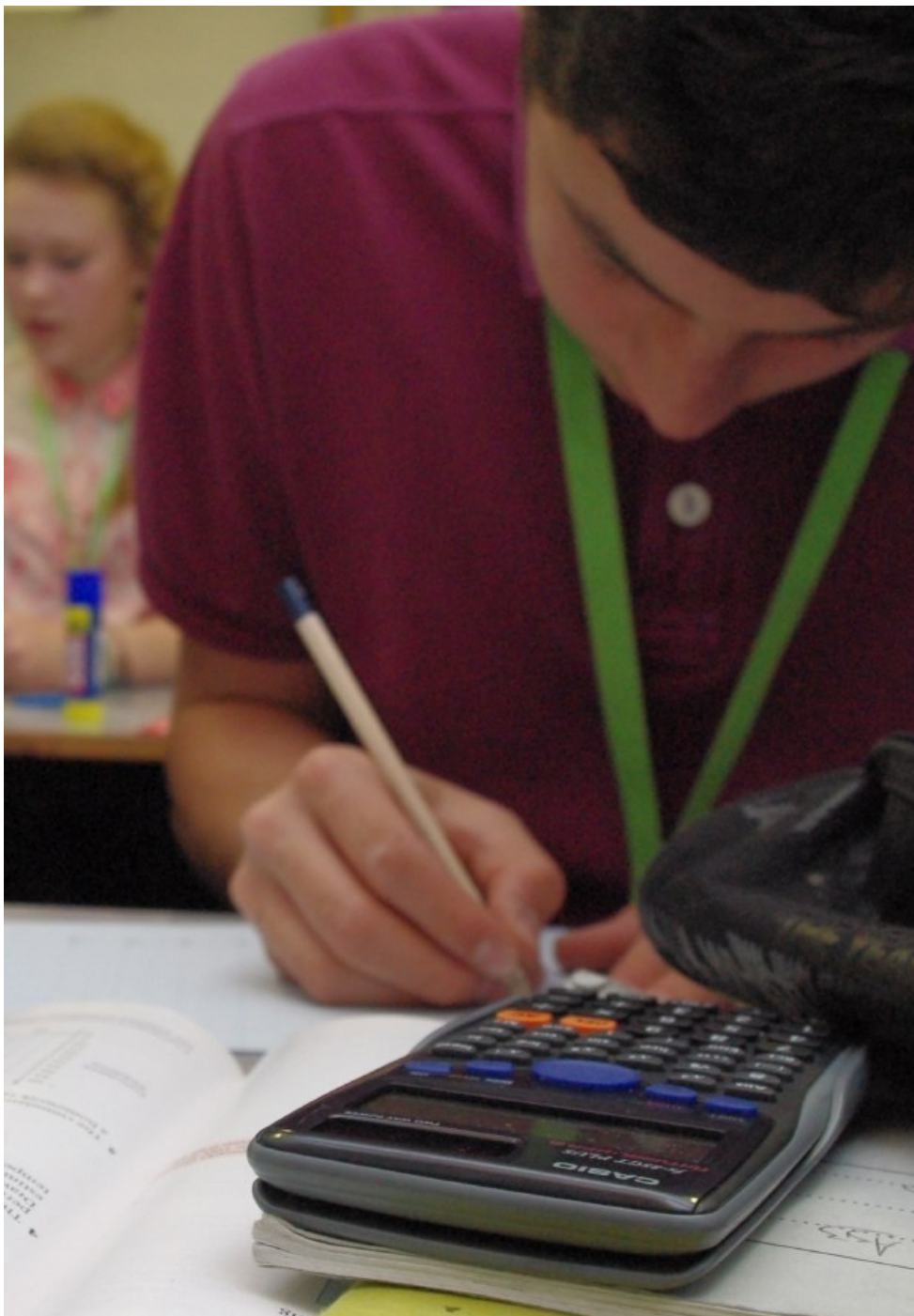


Subject Guides



A-level Mathematics





A-level Mathematics

Introduction

Mathematics is one of the most crucial elements of the rapidly developing world. Mathematicians are shaping the future by developing advanced algorithms for AI, optimising supply chains in a global market and mitigating the impacts of climate change. At AS and A-level, Mathematics will be challenging but interesting and extremely rewarding. You'll be expected to have achieved at least a grade 6 in your GCSE.

What You Will Learn

- Use mathematical skills and knowledge to solve problems
- Understand and demonstrate what is meant by proof
- Simplify real life situations so that you can use mathematics to show what is happening and what might happen in different circumstances
- Use the mathematics that you learn to solve problems that are given to you in a real-life context
- Use calculator technology and other resources effectively and appropriately; understand limitations in mathematics and when it is inappropriate to use such technology

Where It Can Lead To

A-level Maths will help you with some of the challenging maths content you may encounter in your other A-levels, especially in: Physics, Chemistry, Biology, Business Studies, Geography and Psychology. There are many areas of employment that see a mathematics A-level as an important qualification and it is often a requirement for the vocational qualifications related to these areas. Higher Education courses or careers that either require A-level Mathematics or are strongly related course.