

UNSTED PARK SCHOOL

Careers Newsletter

Spring 2
2021

A Date for the Diary

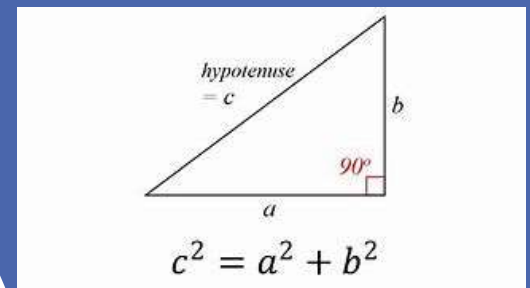
April is “**Mathematics & Statistics Awareness Month**”.

This event aims to increase the level of interest in the study of mathematics and the level of understanding and appreciation for the wide range of applications for mathematics in fields as diverse as manufacturing, business and medicine.

Welcome to the third edition of Unsted Park School's half-termly Careers Newsletter.

As it is “**Mathematics & Statistics Awareness Month**” in April, we are exploring the world of mathematics this half-term.

Some students may ask “What skills will I get if I study maths?” Maths is actually one of the best subjects to develop analytical, research and problem-solving skills. Not only will studying maths help give young people the knowledge to tackle scientific, mechanical, coding and abstract problems, it will also help them develop logic to tackle everyday issues like planning projects, managing budgets and even debating effectively.



Further Information:

www.mathscareers.org.uk This is the site of the “Institute of Mathematics and it's Applications”. It contains a wealth of resources for everyone including careers in mathematics, information on different courses and job profiles.



Let's Focus On...

Careers in Mathematics

Mathematics is such a highly transferable subject that, not surprisingly, there are a large number of career pathways for those with an interest in the subject to explore. Here are just a few examples:

I.T: People with qualifications in I.T have one of the highest rates of employment in the UK. Example pathways include games developer, software programmer, network engineer or web designer.

Accountancy: the number of accountancy associations has grown by 3.7% since 2006. Example pathways include: tax accountant, auditor or forensic accountant.

Science & Research: It's predicted that in the next few years, 1 in 4 jobs will have been created by science and research, leading to tens of thousands of new jobs. Example pathways include research scientist, mathematician or statistician.

Banking and finance: 51% of employers in these industries believe there is a skills shortage among their employees. Example pathways include retail banker, financial adviser, fund manager or stockbroker

Engineering: 42% of the engineering workforce in the UK is over the age of 45. This means there will be a huge demand for young engineers in the decades to come. Example pathways include chemical engineers, civil engineers and mechanical engineers.

Maths has always been one of the most popular A' level subjects and in 2020 made up 12% of all A level entries in the UK.

As well as studying Maths at school, college and university there are many apprenticeships in maths-related subjects from Level 3 to Level 6 such as payroll administrator (Level 3), assistant accountant (Level 3) or financial services professional (Level 6).

Let's hear from Cosman, Dee and Iuliana, our Maths teachers:

"In 2017 Sir Adrian Smith published a review of post-16

mathematics education. This review showed how important Maths is for people's future career choices and that even basic numeracy skills are vital to a person's career prospects: *'Adults with basic numeracy skills earn higher wages and are more likely to be in employment than those who fail to master these skills.'* The review also found that getting a good GCSE Maths result has a big impact on future earnings: *'Individuals who achieve five or more good GCSEs (including English and Mathematics) as their highest qualification have a lifetime productivity gain worth around £100,000 compared to those with below level 2 or no qualifications.'*

Students enjoy Maths at Unsted Park School; it is a popular subject and there are weekly challenges for them to complete. Students from Unsted Park School have gone on to complete Maths, Accountancy and medical degrees at university.

"Do not worry too much about your difficulties in mathematics, I can assure you that mine are still greater."

Albert Einstein