

Why Study Maths?

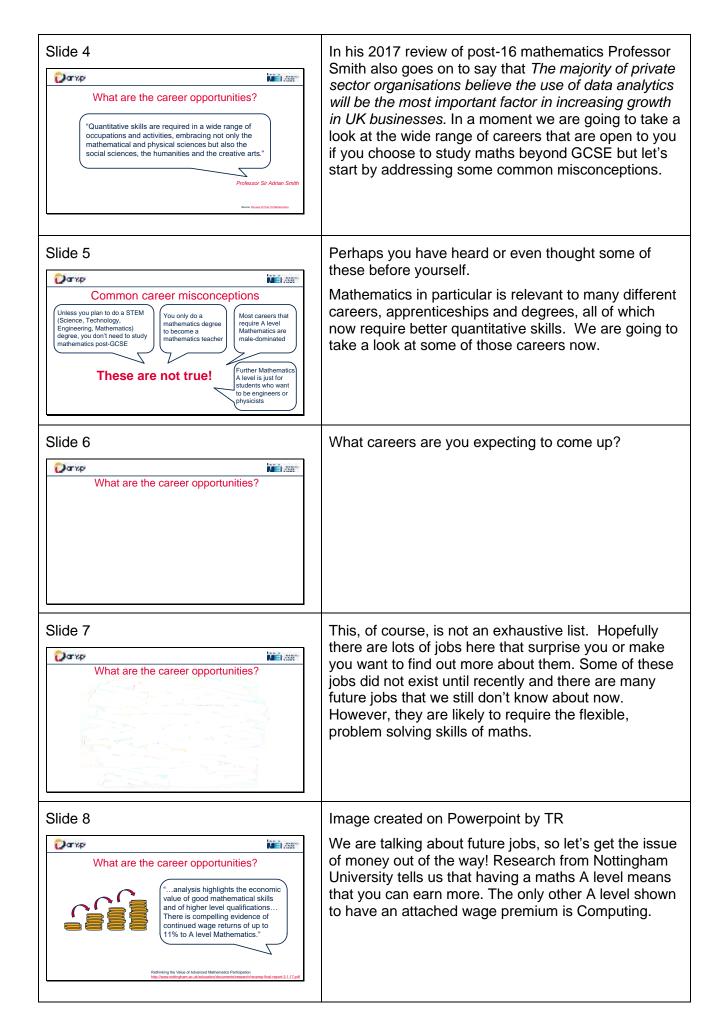
Transcript for video - What are the career options?

The transcript below is for you to use if you would like to record your own school specific version of the materials.

The contents of the video are based on the information in the comprehensive Why Study Maths? presentation. The presentation is available for you use and share with students and parents to promote level 3 maths courses. It can be downloaded from <u>https://amsp.org.uk/resource/why-study-maths</u>

For more details about the work of the AMSP visit <u>www.amsp.org.uk</u>. If you would like copies of the <u>Maths</u> <u>- Opening the door to your future</u> leaflet sent to your school, please contact the AMSP admin team: <u>admin@amsp.org.uk</u>

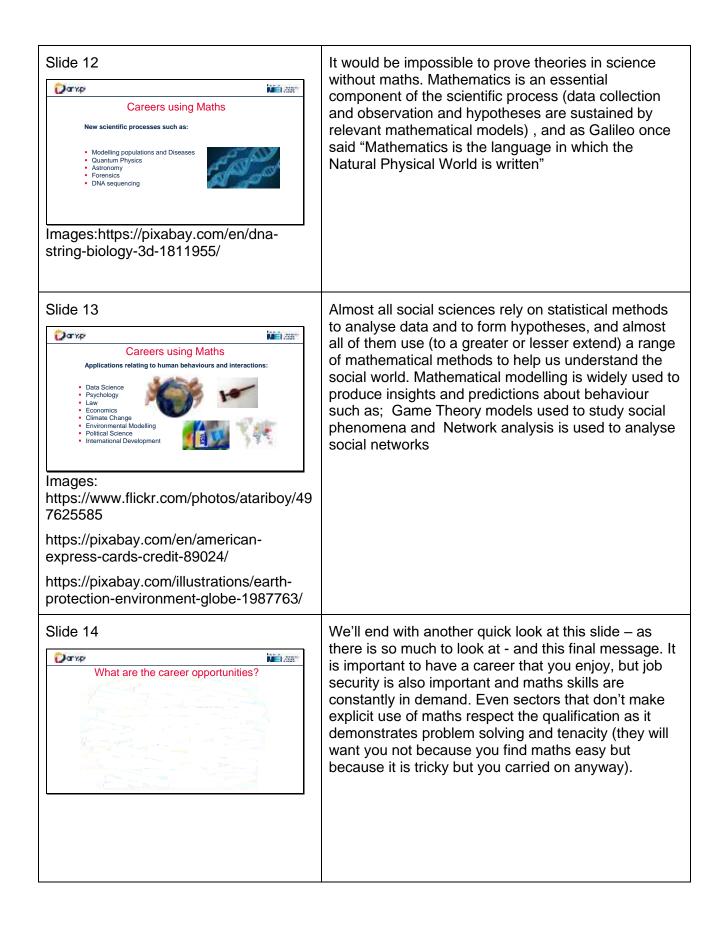
Slide 1	Hello and welcome
Advanced Mathematics Support Programme*	
Slide 2 Why study Mathematics? A guide for Students, Parents and Carers Why study Mathematics?	In this short video from the Advanced Maths Support Programme we will be looking closely at some of the reasons for continuing with maths after GCSE by
Slide 3	focussing on the career opportunities doing so can bring. So what is the place of maths in the world of work?





Slide 9	Last year, data from a longitudinal study by the government showed the average salary of individuals six years after their A level exams by subject
Slide 10 Careers using Maths There is a huge shortage of people with STEM skills needed to enter the workforce. Applications of mathematics in technology: Medical Games Design Internet Security Financial Cryptography Financial Cryptography Communications	Lets take a look at some of the different career areas where maths is desired or essential in a little more detail We'll start by looking at a rapidly growing sector that infiltrates all of our lives. Technology. It is mathematics that underpins all of these areas. A lot of the mathematics used would be considered discrete or decision maths.
Slide 11 Careers using Maths On-going applications in engineering, such as: Aircraft Modelling Fluid Flows Acoustic Software Development Electronics Civil Engineering.	Engineering, as I am sure you will be aware, is not just about engines! It is such a vast field that there are engineering jobs in almost every sector. Many of them are design focused and require creative thinkers.







Slide 15 Contract of the sources of information MSP website www.amsp.org.uk MASP website www.amsp.org.uk MASP website www.amsp.org.uk Apprenticeship websites e.g. www.amazingapprenticeships.com Universities and Colleges Admissions Service (UCAS) www.ucas.com Russell Group Universities www.informedchoices.ac.uk Tomorrow's Engineers www.tomorrowsengineers.org.uk The Institute of Physics (IOP) www.iop.org	Here are some links to helpful websites with more information. We wish you well with your future studies and chosen career paths.
Slide 16 Signed 16 Signed 16 Signed 16 Signed 16 A government-funded initiative, managed by MgL providing national support for teachers and students in all state-funded schools and colleges in goland. I arims to increase participation in AS/A level Mathematics and Further Mathematics, and Core Maths, and improve the teaching of these qualifications. I additional support is given to those in priority areas to boost social mobility so that, whatever their gender, background or location, students can choose their best maths pathway post-16, and have access to high quality maths teaching.	Slide 17

