**STEM** Resource 10 from STEM Choices Resource Pack (pg 63)

Shape your prospects: jobs with maths

Maths is part of just about everything; from calculation, measurement and the study of shapes and the motion of objects, to the science of patterns, for example, in numbers, space or computing. Maths is a vital skill in many fields including engineering, science, medicine, business and social sciences.

There are many routes available after GCSEs. These include taking maths to A level, Diploma courses (in subjects such as engineering, environmental and land based studies) and relevant apprenticeships in areas such as construction and engineering.

Taking maths and other STEM subjects will open up a variety of career options providing you with skills that will make you very employable. Mathematical careers include those which need an advanced knowledge of mathematics, as well as those which require ability with figures. Here is a list of some of the many jobs that skills and qualifications in maths and other STEM subjects can lead you to.

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| • Acoustician  • Actuary  • Aerospace Engineer  • Astronomer  • Broadcast Engineer  • Building Control Surveyor  • Building Services Engineer  • Chemical Engineer  • Civil Engineer  • Civil Engineering Technician  • Computer Hardware Engineer  • Design Engineer  • Digital Forensic Analyst  • Electrical Engineer  • Electronics Engineer  • Engineering/Land Surveyor  • Estimator  • Geophysicist  • Land-based Engineer  • Marine Engineer  • Mathematician  • Mechanical Engineer  • Medical Physicist  • Merchant Navy Engineering Officer  • Mining Engineer  • Naval Architect  • Nuclear Engineer  • Oil and Gas Engineer  • Operational Researcher  • Physicist  • Production Engineer  • Statistician  • Stock Market Dealer/Trader  • Systems Analyst | **For further information**  **General sites**  For more information about careers with maths and science go to www.futuremorph.org. Future Morph links to useful websites for other organisations who will be able to help.  **Other General Sites**  www.futuremorph.org/scienceandmaths  www.tomorrowsengineers.org.uk  www.apprenticeships.org.uk  [www.sectorcareersinfo.co.uk](http://www.sectorcareersinfo.co.uk)  **Maths related sites**  Maths Careers – www.mathscareers.org.uk  Institute of Mathematics and its Applications – www.ima.org.uk  London Mathematical Society – www.lms.ac.uk  Royal Statistical Society – www.rss.org.u |

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