

Focus on the Future!

Career Path:

Space and STEM careers

Science, Technology, Engineering, Maths

Were you recently interested in the Space X launch? Do you often take apart electrical equipment such as computers or games consoles just to see how they work inside? Have you ever fixed or designed anything? Can you solve problems?

If you answered YES to any of these perhaps you should take a look at STEM careers to see if there is anything that suits you!

Please start by watching these useful short films

<https://www.youtube.com/watch?v=q1QocSIORWQ>

<https://youtu.be/oXVdGt-pZxY>

This useful leaflet summaries careers needed for space
[https://ukspace.org/wp-content/uploads/2019/06/Careers-in-Space UKSA.pdf](https://ukspace.org/wp-content/uploads/2019/06/Careers-in-Space_UKSA.pdf)





What jobs are there?

There are so many jobs in the wider STEM and also the space and science industry that it would be difficult to list them all. Here is a short summary:

- IT and systems engineering
- Engineering (mechanical and electronic)
- Applying physics and science to use satellites to provide services to people on Earth
- Business Admin and Human Resources
- Accounting and Finance





What Qualifications do they have?

Many employees will have studied maths, sciences or engineering to degree level (university). However it is possible to enter some of the professions as an apprentice. Normally GCSE Maths and English would be required at grade 4+ for such apprenticeships.

To enter university you will need to achieve either A levels or a Level 3 BTEC after school.

<https://www.tomorrowseengineers.org.uk/real-jobs/> - watch videos from a range of professionals in engineering roles

<https://www.stem.org.uk/stem-careers> this website will link to a wide range of resources and information all sorts of STEM careers.

How Much could you earn?

You should be able to find salary details of the individual roles you are interested in via the links given. If you cannot please email me and will help you with this further.

The general advice is that STEM careers are in demand and we currently have a shortage of people skilled enough to carry out these roles. Therefore, opportunities in STEM based careers are good and progression can be quick so it's a great time to be considering this area.

Where to find out more

<https://www.nasa.gov/audience/forstudents/careers/index.html>

<https://www.ukspace.org/careers/>

<https://www.iop.org/careers/index.html>

<https://www.thebigbangfair.co.uk/careers/stem-careers/>

If you want to find out about similar job roles, check out these below:

- medical careers
- pharmacy
- astronomy
- teaching
- research
- meteorology
- geophysicist