



A guide to sources of STEM related resources and information

List of STEM focused resources and information for teachers

National STEM Learning Centre

The National STEM Learning Centre resource collection has careers activities, videos and case studies from a range of sources. It also hosts a range of resources which support teachers to embed careers within the curriculum.

[Click here for more information.](#)

Future Morph

Careers resources for science and mathematics. Free teaching resources with related curriculum topics, suggested practical activities and assembly materials, as well as interactive games, career profiles and a resources database linking to external organisations – helping you to get the most out of your planning and preparation time.

[Click here for more information.](#)

STEMETTES

STEMETTES is an organisation that helps put girls in contact with women working in technology, science, engineering and mathematics.

[Click here for more information.](#)

Inspiring the Future

Inspiring the Future provides a range of careers-related information

services, some with a focus on inspiring young girls and women. It is becoming one of the sources to find volunteers from industry to work with schools and colleges.

[Click here for more information.](#)

WISE Resources for Schools

A collection of resources that supports teachers to encourage a higher uptake of girls into further STEM study.

[Click here for more information.](#)

The British Science Association coordinates a range of projects and programmes aimed at engaging more people with science. Projects to highlight include British Science Festival, British Science Week and their CREST awards. CREST is their flagship programme for young people which provides science enrichment activities to inspire and engage 5-19 year olds.

[Click here for more information.](#)

CareersBox is a free online library of careers-related files, news and information. Partnered with the Institute of Careers Guidance, it has a section on the site headed 'Tools for Teachers'.

[Click here for more information.](#)

The Royal Meteorological Society hosts a section on their site, which provides a schools portal, where teachers can find curriculum linked resources teaching weather and climate.

[Click here for more information.](#)



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Health Careers covers all the careers options within the NHS and has some great resources for teachers and careers advisers.

[Click here for more information.](#)

Science In A Different Light is a collection of videos and activities that aims to answer the question: What is the point of studying science? These free resources are designed to be used by teachers and students to discuss, debate and reflect on some of the key areas of contemporary scientific research in the UK, and meet the people behind the science.

[Click here for more information.](#)

Wide source of information to support students to plan their future

Entering into university and/or college

Apply to Uni is an independent platform which allows students to access all the information required in order to consider the option of university.

[Click here for more information.](#)

Prospects

For graduate jobs, postgraduate study, advice about work experience, internship opportunities and graduate careers. Includes information on what you can do with a degree in various subjects, plus where

people actually go (eg research, employment).

[What you can do with a physics degree - click for more information.](#)

[What you can do with a chemistry degree - click for more information.](#)

[What you can do with a biology degree - click for more information.](#)

The UCAS website also [provides some examples](#) of progression routes after GCSEs and where they can lead. As a STEM teacher, you could really bring this to life by using real examples from employers that you work with in school, or ex-pupils. Through each of these examples you can illustrate progression pathways and also how the development of both STEM skills and the generic skills developed through STEM subjects have supported the career progression of a wide range of people and how they may relate to your pupils' careers decisions.

[Click here for more information.](#)

Whatuni helps you to compare university and degree courses.

[Click here for more information.](#)

Unistats is the official site to search for, and compare, data and information about universities and colleges in the UK.

[Click here for more information.](#)

Whatapprenticeship is an online handbook which contains everything you need to know to decide whether an apprenticeship is right for you.

[Click here for more information.](#)



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Apprenticeships

A range of government sites are available to support young people thinking about an apprenticeship:

England [Click here for more information.](#)

Scotland [Click here for more information.](#)

Northern Ireland [Click here for more information.](#)

Wales [Click here for more information.](#)

Universal Jobmatch is a service offered through the Government Gateway designed to help jobseekers.

[Click here for more information.](#)

Not Going to Uni is a one-stop site for apprenticeships, gap years, distance learning and jobs.

[Click here for more information.](#)

All about school leavers provides a range of information for students thinking about all the options open to them.

[Click here for more information.](#)

General careers information and support

Plotr is a careers advice tool that supports students to choose a career using games and resources.

[Click here for more information.](#)

CareersBox uses case study films to show real people doing real jobs, giving viewers insight into careers across all sectors and helping them to find the right career.

[Click here for more information.](#)

Icould includes 1,000 films of personal careers stories, across all occupations (has some good, short video clips of people talking about their jobs).

[Click here for more information.](#)

Your Life is a campaign to help young people in the UK build the skills needed to succeed in the current competitive global economy. The site offers a huge number of YouTube videos and information to inspire young people to study maths and science as a gateway into wide-ranging careers.

[Click here for more information.](#)

All about careers has job market information for school leavers, graduates and students.

[Click here for more information.](#)

Brightside is a charity that helps young people access the education and careers pathways they might not have believed were available to them. A range of online mentoring and resources are available.

[Click here for more information.](#)



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CareerCamel is a website aiming to help young people fund their way through education and into their ideal job. The site includes careers advice, tips, internships and jobs.

[Click here for more information.](#)

Careerpilot was established in the south west of England, and provides online support aimed at 13-19 year olds to help them with their study and work choices at 14, 16 and 18.

[Click here for more information.](#)

Career Profiles provides a general careers and job search guide service.

[Click here for more information.](#)

Careers Portal is a general careers guidance site for young people looking for work or in work.

[Click here for more information.](#)

Careers World is an online guide which provides careers advice and supports individuals to search for training and careers opportunities across England, Scotland and Wales.

[Click here for more information.](#)

The Russell Group has a section on their site to help students make information choices.

[Click here for more information.](#)

Talking Jobs aims to broaden young people's understanding of education and employment choices.

[Click here for more information.](#)

ULAS, created by Teach First Ambassadors, is a free employability tool that aims to bridge the gap between schools and employers. Resources are available for teachers and students to support students to apply for university, apprenticeship and school leaver programmes.

[Click here for more information.](#)

Wide range of information for young people thinking about a career in engineering or manufacturing

Tomorrow's Engineers has a variety of online resources and physical resources (available for free on request) that you can use to explain what engineering is to your students, for example quizzes, case studies, videos and posters.

[Click here for more information.](#)

The Institute of Engineering and Technology (IET) is the professional society for the engineering and technology community, with more than 150,000 members in 127 countries.

[Click here for more information.](#)



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IET Faraday provides a collection of free online and physical resources with a focus on engineering, science, mathematics, computing and careers.

[Click here for more information.](#)

The Institution of Mechanical Engineers (IMechE) is the professional society for the mechanical engineering community, with more than 111,000 members in more than 140 countries.

[Click here for more information.](#)

The Institute of Civil Engineers provides general chemical engineering careers information for students and resources for teachers.

[Click here for more information.](#)

Engineering UK is an independent, not-for-profit organisation that promotes engineering and technology and the contribution they make to our society. It supports people of all ages to pursue careers in engineering.

[Click here for more information.](#)

The Royal Academy of Engineering provides leadership and promotes excellence across all fields of engineering. Committed to enhancing the engineering skills pipeline, it manages a range of schemes, providing funding and support for students to further their education and development.

[Click here for more information.](#)

EDT, the Engineering Development Trust, offers a number of schemes to inspire young people into engineering and science. Examples include First Edition, Co4SET and Open Industry.

[Click here for more information.](#)

Greenpower Education Trust promotes sustainable engineering to young people.

[Click here for more information.](#)

iwantToStudyEngineering is a website to help students compete for engineering places at university.

[Click here for more information.](#)

Talent 2030 is set to encourage more young people to pursue careers in manufacturing and engineering.

[Click here for more information.](#)

Meet the Engineers is a website which showcases a range of individuals and their careers in engineering, including Steve Wozniak, the co-founder of Apple.

[Click here for more information.](#)

Prospect4u.co.uk is a site dedicated to providing careers information, videos and resources for the manufacturing sector.

[Click here for more information.](#)



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Science-related information, resources and support

The Institute of Physics is a leading scientific society, with a worldwide membership of more than 50,000, working together to advance physics education, research and application. They host a collection of resources aimed to support the promotion of different careers linked to physics. This site includes profiles, outlines of work experience plus a range of careers information. [Click here for more information.](#)
Careers from Physics [Click here for more information.](#)

The Royal Society of Chemistry is the UK's professional body for chemical scientists, with more than 51,000 members. A range of support and resources is available on their site, focused on the needs of both students and teachers. With an online teaching resource site, Learn Chemistry, they host many resources to support teaching across chemical topics and contexts. [Click here for more information.](#)

Why Not Chem Eng?, offered by the Institute of Chemical Engineers, provides online advice and resources to support students to better understand careers in chemical engineering. [Click here for more information.](#)

Royal Society of Biology is the unified voice for biology in the UK representing a diverse membership of individuals, learned societies and other organisations. There is a range of support and resources on their site.

[Click here for more information.](#)

The Association for Clinical Biochemistry and Laboratory Medicine is the professional body representing laboratory medicine.

[Click here for more information.](#)

Science and Plants for Schools provides a range of useful information about careers in biology including project starters, study skills tips and careers advice.

[Click here for more information.](#)

The British Psychological Society is the representative body for psychology and psychologists in the UK. They have a careers, education and training section on the website highlighting a range of careers in this area.

[Click here for more information.](#)

British Society of Immunology provides careers profiles in immunology, highlighting the latest opportunities in academia and industry.

[Click here for more information.](#)



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Cogent is the UK's strategic body for skills in the science industries. On their website they provide a range of information about careers within the science industries, and have designed a Career Navigator with employers to introduce young people to a range of jobs available in the science based industries.

[Click here for more information.](#)

The Genetics Society hosts an Education section with information about careers in genetics.

[Click here for more information.](#)

The Geological Society hosts a range of careers information in relation to careers and study options in geology.

[Click here for more information.](#)

GROW provides a range of information about horticulture careers.

[Click here for more information.](#)

NERC, the Natural Environmental Research Council, provides information about careers in environmental science.

[Click here for more information.](#)

Real World Science is a site which includes a number of hands on investigative science sessions supported by the Natural History Museum.

[Click here for more information.](#)

I'm a scientist get me out of here! is a free online event where school students meet and interact with scientists. It's an X Factor-style competition between scientists, where the students are the judges. Students challenge the scientists over fast-paced online text based live chats. They ask the scientists anything they want, and vote for their favourite scientist to win a prize of £500 to communicate their work with the public.

[Click here for more information.](#)

Where STEM can take you offers a STEM Careers digital toolkit for students and teachers to bring alive the huge range of opportunities in STEM industries.

[Click here for more information.](#)

STEM Central highlights a range of STEM careers, supported by Education Scotland.

[Click here for more information.](#)

Planet Science exists to offer young scientists of school age the inspiration and excitement to study their subject at school.

[Click here for more information.](#)

OpenDoors Media Ltd is a site to support young people with their careers choices.

[Click here for more information.](#)



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Science Careers Pathways has been designed with employers to introduce you to the huge range of job and careers opportunities available in the science based industries.

[Click here for more information.](#)

Futuremorph is a website targeting young people to encourage them to continue their interest in science. There is a section on the site designed specifically for young people aged between the 11-13, 14-16 and 16+ age ranges.

[Click here for more information.](#)

Real Cool Futures is an Eden Project which seeks to encourage young people to play a full and active role in having a positive impact on the planet. A range of jobs and careers are explained in detail.

[Click here for more information.](#)

Maths-related information, resources and support

Maths Careers is a useful starting point for those wishing to know where studying mathematics can lead. The website has a particular focus on young people between the age of 11-19. It also has a section on the site with resources for teachers. A range of articles are included in the site, plus career profiles, ideal for A level students.

[Click here for more information.](#)

Sector specific information

IT industry

The BCS, the Chartered Institute for IT, is the global awarding body for the IT sector. On their website, they have a detailed section for careers and skills to support people with career development across all levels of the industry, including those entering for the first time.

[Click here for more information.](#)

Big Ambition is designed to demonstrate how exciting a career in cyber security could be. A range of free, dynamic teaching resources are available.

[Click here for more information.](#)

Stand Out from the IT Crowd offers a wealth of information about computing and the range of jobs on offer.

[Click here for more information.](#)

The Tech Partnership is a network of employers collaborating to create the skills needed for the digital economy. A range of information about apprenticeships, degrees and other routes into the sector is available on the website.

[Click here for more information.](#)



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Pharmacy

The ABPI, the Association of the British Pharmaceutical Industry, offers a range of information in relation to careers in the pharmaceutical industry.

[Click here for more information.](#)

Chilled food

Chilled Education provides industry information and links to free teaching resources to help promote careers in the chilled food sector.

[Click here for more information.](#)

Creative industries

Creative Skillset helps the creative industries to develop skills and talent for the sector which includes film, television, radio, fashion, publishing and many others. Their website holds a range of jobs profiles and case studies.

[Click here for more information.](#)

Energy sector

Think Power is a comprehensive source of information on careers in the UK power industry.

[Click here for more information.](#)

Energy Careers, supported by the Energy Institute, provides advice and guidance on how to get started in the energy sector.

[Click here for more information.](#)

Siemens provides a site offering information for students, plus resources for teachers.

[Click here for more information.](#)

Finance sector

Directions provides information on careers and routes into the finance sector. With a Careers Hub they offer advice on how to get into the industry through work experience, school leaver programmes, apprenticeships and graduate schemes.

[Click here for more information.](#)

Food and farming

FACE, Farming and Countryside Education, provides a broad range of information and resources to help educate young people about food and farming.

[Click here for more information.](#)

Bright Crop provides agricultural career profiles for students.

[Click here for more information.](#)



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Defence industry

The MOD, Ministry of Defence, offers careers across the defence sector.

Army [Click here for more information.](#)

RAF [Click here for more information.](#)

Royal Navy [Click here for more information.](#)

Health and social care

NHS Careers: as the largest employment sector across the UK, and one that employs more STEM staff than any other sector, this website provides a huge range of STEM-related careers and occupational information.

[Click here for more information.](#)

The best place to look on the Health Careers website is [this page](#) and also [this page](#).

Another general resource can be found [here](#) – refer to the Career Mapper.

The Society of Radiographers hosts a section on their site providing information about working in radiography.

[Click here for more information.](#)

Oil and gas sector

OPITO, the sector body representing the oil and gas sector, has a range of information on their site, including an Oil and Gas Skills

Navigator to highlight the breadth of career opportunities in the sector. [Click here for more information.](#)

Aerospace and aviation sector

The Royal Aeronautical Society represents the aerospace and aviation sector. A Careers and Education section on their site offers a range of helpful information.

[Click here for more information.](#)

Horticulture

The Royal Horticultural Society hosts a section on their site highlighting a range of carers in horticulture.

[Click here for more information.](#)

Veterinary profession

The Royal College of Veterinary Surgeons is the body representing the veterinary profession in the UK. Refer to their site for information about entering this profession.

[Click here for more information.](#)

Sport and leisure industry

SkillsActive offers support to help students find careers advice and access information in relation to careers in the sport and fitness sector.

[Click here for more information.](#)