

What (STEM) career?

Sources of information about Science, Technology, Engineering, Maths and Design courses, apprenticeships and careers; and help to find strengths and aptitudes, get work experience and tasters, choose a career, university course, or apprenticeship.

All the site names are clickable – click on a site and it should take you there. Use this online, don't print it, or you'll have no links!

If there's a site you think should be on here, please let me know.

General careers, education and course information and resources (arts & sciences)

AllAboutCareers (large career exploration and advice site, with sister sites for specific areas)

AllAboutSchoolLeavers (apprenticeships, employer school leaver programmes and jobs)

Bright Knowledge (guide to careers, education and student life)

Careersbox (careers videos)

Careers4U (careers videos)

Complete University Guide (Uni courses, fees, studying, living, graduate careers and more)

Go Think Big (careers, advice and opportunities hub from O2)

Guardian Careers (Guardian careers hub with choices, ideas and resources)

iCould (career ideas, inspiration & tips, career videos, quiz)

Informed Choices (booklet about choosing education post-16 from the Russell group of universities)

Loud! Magazine (online magazine with university, courses & careers information)

Moving On magazine (print & online post-school choices magazine)

MyCareerSpringboard (career guidance tool)

National Careers Service (the National Careers Service website)

National Careers Week (free resources and advice supporting a week of careers events across the UK)

Not Going to Uni (alternatives to degree courses, traineeships, apprenticeships)

Prospects (student & graduate careers advice, planner quiz, job profiles & opportunities)

Start (careers & courses guidance for schools and students 11 - 18, now incorporating Plotr)

Success at School (careers, courses, work and study advice and information)

The Skills Show (the UK's biggest 'hands on' skills & careers exhibition)

UCAS Progress (information on post-GCSE & A-level choices, college & university courses)

SteamChap's Careers & Apprenticeships list (Twitter list of STEM and other careers resources)

Regional careers sites with useful information for everyone

Career Pilot (careers routes and choices at 14, 16 and 18, south-west)

Careers Near Here (Bristol and Bath area, with some good general information as well)

Careers Wales (careers information & guidance from the Welsh government)

C&K Careers Online (careers & choices year 7 on, West Yorkshire but with info for everyone)

I can be a ... (careers choices and discovery site run by a Norfolk charity)

My World of Work (career choices and information from school to retirement)

NI Direct careers (careers advice and planning in Northern Ireland)

PETA School Leavers (training and further education advice and opportunities, Portsmouth area)

Study Work Create (international careers and opportunities)

Help to understand your skills, strengths, aptitudes and interests

123Test (career & personality tests - ignore the IQ tests)

HumanMetrics Jung personality type (personality test similar to the widely used Myers-Briggs test)

I can be a ... (careers choices and discovery site run by a Norfolk charity)

Kent Careers – Assessment (tests to help find your key strengths)

MyCareerSpringboard (career guidance tool, needs sign up)

National Careers Service (aptitude tests, needs sign-up)

Prospects career planner (career planning test)

Similar Minds (Jung, Big Five, Career Personality tests)

Sussex Careers – Strengths & Interests (several tests to help find key strengths & interests)

Careers in Aerospace assessment portal (Reasoning, work style & thinking tests as used in aerospace)

Note – these are just free tests on the internet, but they're based on the same science as tests used by major companies. Try several tests, and think about the overall picture they're giving you. Answer as you really are, not as you'd like to be! Also take a look at the general careers sites for other ways of finding your interests. You should not have to sign up (except NCS and My Career Springboard) or pay for any of these.

STEM career exploration and information

BAE Systems Education programme (engineering careers information from a large STEM employer)
Born to engineer (news, resources and stories 'that show the excitement of engineering')
Bright Knowledge (guide to careers & courses - browse the knowledge bank for STEM subjects)
Engineer Girl (US site about engineers, what they do and how to become one)
First Edition (hands-on STEM taster experiences, industrial visits and family events)
FutureLearn (MOOC online course site with tasters to full courses at all levels. Free, needs registration)
Future Morph (science and maths careers information & planning for ages 11 – 16+)
Into Engineering (is engineering the right choice for you?)
Maths Careers (maths careers advice & inspiration for ages 11 – 19+)
MyPhysicsCourse (physics course and universities choices)
Rock Head Sciences (guest blogs and 'day in the life' stories about earth sciences careers)
Science Career Pathways (career pathways, advice and opportunities in scientific industries)
SEMTA (employer led organisation promoting engineering careers and skills)
Student Bridge (engineering careers pathways for ages 14 – 19+)
Teen Tech (one day events to showcase STEM careers to young teenagers)
The Graduate Engineer Show (careers fair with leading engineering and STEM exhibitors)
The Skills Show (the UK's biggest 'hands on' skills & careers exhibition)
Tomorrow's Engineers (information and guidance on engineering careers)
Try Engineering (US based site about engineering careers, experiences & lifestyles)
UK Electronics Skills Foundation (educational activities and information about electronics careers)
WES Careers (links to careers information and advice sites)
Where STEM Can Take You (bringing alive the range of opportunities in STEM careers)

Also see the work experience and sector specific information below. If there's something you're particularly interested in, try searching your interest + 'work experience' or 'tasters' – you should get a lot of results of companies and universities that offer some sort of taster.

Architecture, buildings, civil engineering

Becoming an Architect (architecture)

Construction Industry Training Board (construction and allied industries)

Institution of Civil Engineers - Careers (civil engineering)

Biology and life sciences, zoology, sports science

ACB Careers & Education (biochemistry, immunology and microbiology in health & medicine)

Biochemistry Education & Careers (biochemistry)

British Ecological Society (ecology & sustainability)

BASES Careers (sports science, psychology, physiology and biomechanics)

Careers – British Nutrition Foundation (food science and nutrition)

Careers – Royal Society of Biology (biology and life sciences)

Careers in Sport (sports, sports medicine and sports science careers information)

Biomedical Science Careers (discovering biomedical science, events, mentoring)

Microbiology Society Careers (microbiology)

RSB Careers (Royal Society of Biology life science careers page, lots of useful links)

RSB Spotlight (RSB publication highlighting life science careers)

Zoological Society of London (zoology, wildlife)

Chemistry

A Future in Chemistry (chemistry career and study options)

Why not Chem Eng? (chemical engineering)

Creative industries, film & TV

Creative & Cultural Skills (creative, design and cultural)

Creative Skillset (creative industries, STEAM)

Skillsfusion (film & tv special effects)

Earth Sciences and land, geography and environmental

British Ecological Society (ecology & sustainability)

Geological Society (earth sciences and geology)

Institute of Materials, Minerals and Mining (materials science, minerals and mining)

Energy, power, nuclear

Cogent Skills (scientific and nuclear industries)

IET Careers (engineering, electrical, electronics and technology)

IET Faraday (engineering careers, courses and real life examples aimed at students)

Talent Source Network (collaboration of companies in energy and utility industries)

Electrical & mechanical engineering, aerospace, aviation, transport

AutoCity, IMI Careers (automotive industries)

Careers in Aerospace

Royal Aeronautical Society Careers & Education (aerospace, defence and aviation)

IET Careers (engineering, electrical, electronics and technology)

IET Faraday (engineering careers, courses and real life examples aimed at students)

Marine Careers - IMarEST (marine)

Royal Institution of Naval Architects (marine and naval architecture)

SEMTA (engineering, industrial and technology)

The Student Engineer (news and careers for student and graduate engineers)

Tomorrow's Engineers (information and guidance on engineering careers)

Pharmaceuticals, health, medicine, food and drink

ABPI Careers (pharmaceutical and drug industry)

ACB Careers & Education (biochemistry, immunology and microbiology in health & medicine)

BASES Careers (sports science, psychology, physiology and biomechanics)

BDA Careers (dentistry careers and options)

BPS Careers (drug industry and pharmacology)

Careers in Sport (sports, sports medicine and sports science careers information)

Chartered Society of Physiotherapy (physiotherapy)

Health Careers (NHS, health and medicine)

Institute of Food Science and Technology

Medschools Online (information on medical schools, application and entrance, medical careers)

Step into the NHS (NHS, health and medicine)

Skills for Health (health and medicine)

Tasty Careers (food and drink)

Technology, IT, communications

ExclTing Careers (IT and telecommunications)

Tech Future Careers (tech and digital careers guidance)

The Tech Partnership (technology, IT, digital & creative, now closed, but still with some useful links)

Teaching

Get Into Teaching (teaching and education)

Teach first (charity supporting equality in education through teacher development)

Work experience, placements, tasters and grants

Biochemical Society Summer Vacation Studentships

Career Ready (career experience via placements and mentoring, funding awards)

Engineering Development Trust (work related STEM experience programmes)

Enterprise4Education (linking employers and students, mainly Derbyshire)

Generating Genius (programmes to help disadvantaged students go to university)

Go Think Big (advertises work experience & volunteering opportunities)

Headstart, Inspire & Routes Into STEM (STEM experiences RIS, Headstart and Inspire)

IET Scholarships & Awards (IET scholarships & awards)

In2Science (giving students from low income backgrounds STEM work experience & advice)

Industrial Cadets (industry led, accredited industrial experiences for 11 – 19 year olds)

MyKindaFuture (CV and employability skills, challenges, careers events and clubs)

Next Tech Girls (STEM work experience for year 10 girls, mainly London)

Nuffield Research Placements (opportunities for students to work alongside research scientists)

Open Industry (industry visits)

Shell Livewire (start-up support and funding for young entrepreneurs age 16 – 30)

Spark London (work experience & employability skills)(chargeable to schools)

STEMBoost (STEM tasters, summer schools and work experience database)

Target Jobs' list of employers offering summer internships or industrial placements

The Arkwright Trust (charitable trust awarding engineering scholarships)

The Engineering Education Scheme (matching students with local companies)

The Engineers Trust (grants and awards for professional engineers and those in training)

The Year in Industry (a year with a major STEM employer)

Tomorrow's Engineers – Work experience (advice about finding work experience, with links)

UK Electronic Skills Foundation (scholarships linking undergrads with electronic & tech employers)

Uni Taster Days, UCAS Tasters (site listing information on University course tasters)

Company STEM work experience, apprenticeships, careers and graduate schemes

4Talent (apprenticeship opportunities with Channel 4)

Airbus Group Careers (aerospace and defence careers & apprenticeships portal)

Atkins Global Careers (multinational engineering & design consultancy)

BAE Systems Careers (aerospace & defence engineering & design)

BAE Systems work experience (work experience opportunities with BAe Systems)

BBC GetIn (engineering, production and journalism apprenticeships at the BBC)

CGI Group (Logica) (STEM consultancy placements, work experience, apprenticeships)

Jaguar Land Rover Careers (information on careers in the automotive industry)

Rolls Royce Careers (aero & marine power systems, jet engines, engineering & design)

Sellafield Careers (nuclear engineering, hazard reduction and site restoration)

Most large companies have similar careers sites – search for the company you're interested in.

175 Faces of Chemistry (celebrating diversity in science for the RSC's 175 anniversary)

Association for Black & Minority Ethnic Engineers

Code First: Girls (free coding courses & meetups for students & young women)

Engineer Girl (US site about women engineers, what they do & how students can get there)

Finding Ada (Ada Lovelace Day, events celebrating the achievements of women in STEM)

First Edition (female only STEM taster experiences with employers)

Generating Genius (programmes to help disadvantaged students go to university)

Girl Geek Scotland (network and community for STEM, computing, creative and enterprise)

IET Women's Network (IET online community for women in STEM)

In2Science (STEM advice, help & experience for students with low income backgrounds)

Liverpool Girl Geeks (events and workshops to inspire women & girls about STEAM)

Liverpool Women in Science & Engineering (events celebrating & promoting women in STEM)

Manchester Girl Geeks (events, talks, workshops for girls & women interested in STEM)

Monster Confidence (STEM careers conferences for young women & students)

NASA Women (videos & blogs about women and girls in the US space programme)

National Women in Engineering Day (National Women in Engineering day)

Next Tech Girls (London based project to give 5000 female students tech work experience)

ScienceGrrl (grassroots network supporting women in science – events, blogs, inspiration)

SoapboxScience (public talks, debate & inspiration by women in science)

Stemettes (women in STEM events and mentoring)

Steminist (US site blogging stories about women in STEM)

STEMxm (archive iTunes podcast highlighting STEM careers and women in STEM)

Student to Stemette (mentoring and support for students from women in STEM)

WISE campaign (role models and information, inspiring women to follow STEM careers)

Wogrammer (showcasing women software engineers and the tech they've built)

Women In STEM (lots of real life stories, information, advice and tips, all STEM subjects)

Tech Girls are Superheroes (Australian site featuring female STEM role models & inspiration)

The Diversity Careers Show (careers show promoting diversity)

TrowelBlazers (pioneering women in archaeology, geology and palaeontology)

Where Women Work (direct recruiter focusing on women in STEM)

Women's Engineering Society (inspiration & support for women in engineering)

Women Shift Digital (encouraging women in tech – workshops, events, mentoring etc.)

SteamChap's Diversity and Women in STEM list (Twitter list of STEM diversity resources & sites)

Apprenticeships

Amazing Apprenticeships (information & advice)
Apprenticeships (UK government information on apprenticeships, guidance, how to apply)
Apprenticeships Norfolk (apprenticeships information & providers in Norfolk & Suffolk)
Apprenticeships.Scot (apprenticeships information and vacancies in Scotland)
CITB Apprenticeships (construction industry apprenticeships)
Make UK Apprenticeships (information and apprenticeship listings from engineering employers)
Futures Apprenticeships & Traineeships (Nottinghamshire and East Midlands opportunities)
Go Think Big (advertises apprenticeship opportunities)
My World of Work - Apprenticeships (information & advice, Scotland based)
NI Direct - Apprenticeships
Not Going to Uni (alternatives to degree courses)
PETA Apprenticeships (apprenticeship opportunities, Portsmouth area)
SEMTA Apprenticeships (engineering and technology apprenticeships information)
Welsh Government - Apprenticeships

Most local government and council websites also have details of apprenticeships in your local area

Apprenticeship providers & hubs, matching services

Aim Apprenticeships (apprenticeship search, advice, CV tools)
Apprenticeships4me (apprenticeship and training provider)
Apprenticeships in Scotland (social enterprise with opportunities, advice, information)
Arch Apprentices (IT and digital apprenticeships provider)
Aspire Achieve Advance (IT, social media & business apprenticeships)
Chamber Apprenticeships (Derbyshire & Nottinghamshire apprenticeships provider)
LDN Apprentices (IT apprenticeships & bootcamps provider in London)
GetMyFirstJob (provider matching students to apprenticeships)
QA Apprenticeships (IT, tech and digital apprenticeships provider)

Institutions, learned societies and governing bodies

The governing bodies' member lists will take you to individual institutions and websites, most of which have information about careers in the professions those institutions represent.

They will also have information about routes to professional registration, charterships etc.

The Academy of Medical Royal Colleges - Academy members list

The Engineering Council - Professional Engineering Institutions list

The Engineering & Physical Sciences Research Council

The Natural Environment Research Council

The Royal Academy of Engineering

The Royal College of Nursing

The Royal Society (the oldest scientific institution in the world)

The Science Council - Science Council member list

HEaTED! (supporting technologists' professional development)

Wikipedia's list of Learned Societies of the UK

Careers mentoring, engagement and employability skills

Born to Be ... (careers engagement)

Careers and Enterprise (funding and support for schemes enabling mentoring & engagement)

FutureLearn (Free online courses including CV and interview skills and techniques)

MyKindaFuture (CV and employability skills, challenges, careers events and clubs)

Smarter Futures (supporting careers choices through mentoring and advice)

Early career support and bridging the gap from education to work

After Lectures (earth sciences)

IET Early Career (engineering and technology)

STEM Graduates (jobs & advice board aimed at STEM graduates)

The Student Engineer (news, careers and information from The Engineer magazine)

Disclaimer

Websites and links are provided for information only – many are very good, but I can't endorse them or give them a 'seal of approval'.

You may have to sign up to use some of them – always be aware what you're signing up to and don't give away more information than necessary. You should never have to pay for any service.

Obviously sites can change or disappear at any time – this list is current to the date shown in the footer

If you see any other sites you think should be on this list, let me know! Thanks.