

APPRENTICES

APPRENTICESHIPS IN STEM SUBJECTS

An overview of apprenticeship opportunities in science, technology and engineering.



Introduction to apprenticeships

An apprenticeship is a paid job where the employee learns and gains valuable experiences. Alongside their on-the-job training, they will spend at least 20% of their working hours completing classroom-based learning with a college, university or training provider which will lead to a nationally recognised qualification.

An apprenticeship includes:

- paid employment with holiday leave
- hands-on-experience in a sector/role of interest
- at least 20% off-the-job training
- formal assessment which leads to a nationally recognised qualification

For more information about apprenticeships visit: www.apprenticeships.gov.uk

Finding an apprenticeship

All accredited apprenticeship vacancies can be found on find an apprenticeship service; www.gov.uk/apply-apprenticeship

By creating an account, you can sign up to be alerted of opportunities based on interest and location.

Some employers advertise vacancies directly on their website, so make sure you check employer websites directly if you can't find what you're looking for on find an apprenticeship.

Maths

Where can maths take me?

Maths subjects open up lots of apprenticeship opportunities because they develop much sought after employability skills such as:

- problem solving
- organisation
- numeracy
- communication
- business management
- attention to detail
- administration
- analytics
- financial planning

Careers in maths

There are a huge range of sectors and job roles related to maths. Here's just a few examples:

- systems analyst
- business adviser
- quantity surveyor
- electrician
- engineering craft machinist
- teacher
- architect
- accountant
- business and financial manager
- airline pilot
- tax inspector
- software developer
- Royal Navy rating
- aerospace engineer
- plumber

What maths apprenticeships are there?

There are a number of apprenticeships that link to an interest in maths, such as:

- construction, planning and built environment
- engineering and manufacturing technologies
- information and communication technology
- business admin and law

Employers that offer maths apprenticeships

There are hundreds of employers that offer apprenticeship opportunities that link to art and design.

Some of the bigger employers you may recognise include:

- Lloyds bank
- Coca-Cola
- PWC
- Santander
- HM Revenue and Customs

To browse current apprenticeship vacancies and employers, visit www.gov.uk/apply-apprenticeship.

Science

Where can science take me?

Science subjects open up lots of apprenticeship opportunities because they develop much sought after employability skills such as:

- teamwork
- technical ability
- problem solving
- organisation
- numeracy
- communication
- attention to detail
- administration
- analytics
- discipline

Careers in science

There are a huge range of sectors and job roles related to science. Here's just a few examples of job roles in science:

- ecologist
- geotechnician
- food scientist
- astronaut
- biochemist
- environmental consultant
- physicist
- palaeontologist
- osteopath
- zoologist
- astronomer
- biologist
- archaeologist
- robotics engineer
- meteorologist
- forensic scientist

What science apprenticeships are there?

There are a number of apprenticeships that link to an interest in science, such as:

- pharmacy assistant
- theatre support worker
- laboratory/science technician
- gas installation engineer
- polymer production technician
- animal care assistant
- health care assistant
- dental nurse
- sound technician
- software developer
- installation electrician
- civil engineering technician

Employers that offer science apprenticeships

There are hundreds of employers that offer apprenticeship opportunities that link to science subjects.

Some of the bigger employers you may recognise include:

- RSPCA
- GSK
- NHS
- Boots
- Thames Valley Police

To browse current apprenticeship vacancies and employers, visit www.gov.uk/apply-apprenticeship.

ICT & Technology

Where can ICT and technology take me?

ICT and technology subjects open up lots of apprenticeship opportunities because they develop much sought after employability skills such as:

- teamwork
- technical ability
- problem solving
- organisation
- numeracy
- communication
- creativity
- attention to detail
- analytics

Careers in ICT

There are a huge range of sectors and job roles related to ICT and technology. Here's just a few examples of job roles:

- systems analyst
- IT trainer
- astronaut
- web designer
- IT security coordinator
- web editor
- electrician
- computer games tester
- web content manager
- software developer
- robotics engineer
- teacher
- user acceptance tester
- medical illustrator

What ICT and technology apprenticeships are there?

There are a number of apprenticeships that link to an interest in ICT and technology, such as:

- civil engineering technician
- installation electrician
- software developer
- network engineer
- IT support
- IT technician
- IT analyst programmer
- web developer
- sound technician

Employers that offer ICT and technology apprenticeships

There are hundreds of employers that offer apprenticeship opportunities that link to ICT and technology subjects.

Some of the bigger employers you may recognise include:

- Google
- Amazon
- BT
- Sky
- ITV

To browse current apprenticeship vacancies and employers, visit www.gov.uk/apply-apprenticeship.

Engineering

Where can engineering take me?

Engineering subjects open up lots of apprenticeship opportunities because they develop much sought after employability skills such as:

- teamwork
- communication
- problem solving
- organisation
- time management
- creativity
- numeracy

Careers in engineering

There are a huge range of sectors and job roles related to engineering. Here's just a few examples of job roles:

- chemical engineer
- engineering maintenance fitter
- biochemist
- brewery worker
- pattern grader
- biomedical engineer
- welder
- motor vehicle technician
- garment technologist
- structural engineer
- mechanical engineer
- engineer
- offshore drilling worker
- woodworking machinist

What engineering apprenticeships are there?

There are a number of apprenticeships that link to an interest in engineering, such as:

- aerospace engineer
- electrical power networks engineer
- engineering technician
- manufacturing engineer
- nuclear engineer
- rail and rail systems engineer
- food and drink engineer
- heritage engineering technician
- marine engineer

Employers that offer engineering apprenticeships

There are hundreds of employers that offer apprenticeship opportunities that link to engineering subjects.

Some of the bigger employers you may recognise include:

- Jaguar Land Rover
- BAE systems
- Bentley
- Airbus
- Network Rail

Still unsure?

If you're still unsure about your career options, the National Careers Service provides information, advice and guidance to help you make the right career decisions.

Visit: <https://nationalcareers.service.gov.uk/>

Call: 0800 100 900

Chat online:

<https://nationalcareers.service.gov.uk/webchat/chat>

To browse current apprenticeship vacancies and employers, visit www.gov.uk/apply-apprenticeship.

**For more information visit:
www.apprenticeships.gov.uk**

