

Knowledge is Power

Subjects

Understanding

Labour Market Information (LMI)

is one thing, but how does this knowledge help to shape your future? How can a passion for a specific subject lead to a career?

Spotlight on... Science

GCSE Science is considered one of the most important subjects because it is a requirement for many STEM courses. It will help you develop mathematical reasoning, give you an understanding of the climate emergency and encourage you to advance your problem-solving and critical thinking.

It's important to remember that many STEM-related occupations require at least a **Grade 4 in Science** – specifically for 'Green' jobs. It is likely that many careers in the future will have a STEM element, so a Science qualification is very valuable.

Employability skills that Science teaches you:

Analytical Skills

Understanding of climate change

Teamwork

Emotional Intelligence

Communication

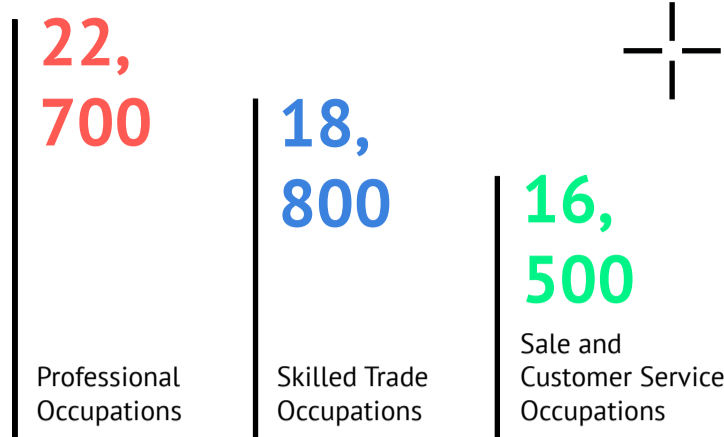
Remember, in an interview scenario, employers will want you to give examples of these skills in action.

For example, the following post-16 courses **ALL** require GCSE Science:

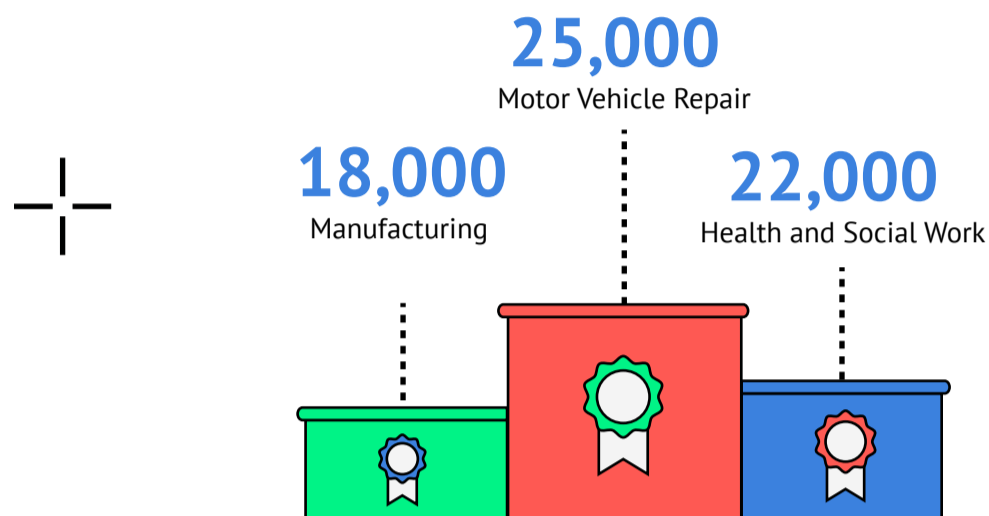
- A Level Physics
- T Level Building Services Engineering for Construction
- A Level Geography
- BTEC Health and Social Care

Here are some occupations that require Science:

- Biochemist
- Psychologist
- Climate Scientist
- Doctor / General Practitioner
- Archaeologist
- Medical Scientist / Epidemiologist
- Statistician
- Geologist
- Civil Engineer



What are the top occupations?



Climate Scientist

Within this role, you'll gather and analyse data from the atmosphere, oceans and land and create computer models to simulate the effects of climate change.

Average Salary:

£25,000

per year.

Education Route:

GCSEs including English, 2-3 A Levels including a science subject, Degree in a relevant subject for postgraduate study.

Civil Engineer

You'll be expected to consult and plan with the client, analyse and map data using computer modelling software and evaluate project costs, time and labour.

Average Salary:

£30,000

per year.

Education Route:

GCSEs in English and Maths, 2 or 3 A levels, or equivalent, including maths and a science, Degree in a relevant subject for postgraduate study.

Doctor / General Practitioner

As with most other doctors, General Practitioners work within Health and Social Care. As a GP, you'll diagnose and treat patients from a practice, health centre or at a client's home.

Average Salary:

£60,455

per year.

Education Route:

GCSEs including English and Maths, 3 A levels including Biology and Chemistry, 5-year medical degree, 2-year foundation course in general training, 3-year specialist training course in general practice.

FUTUREGOALS

West Yorkshire Combined Authority

Tracy Brabin Mayor of West Yorkshire

Don't forget, Science studies can help you achieve a career in a range of occupations and sectors!