

# 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...

## Maths

GCSE Maths is a necessary subject for many A-level combinations and University degrees. Maths is a good GCSE subject as it will help you develop critical thinking, logical, and analytical skills. Maths will also help you to access the STEM world.

It's important to remember that nearly all occupations require at least a **Grade 4 in Maths**. You'll need both Maths and English to progress to any post-16 course or career.

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

- A level Maths
- A Level Geography
- T Level Digital Business Services
- A level Business Studies

### Employability skills that Maths teaches you:

#### Communication

(spoken and written)

#### Analytical Skills

#### Listening

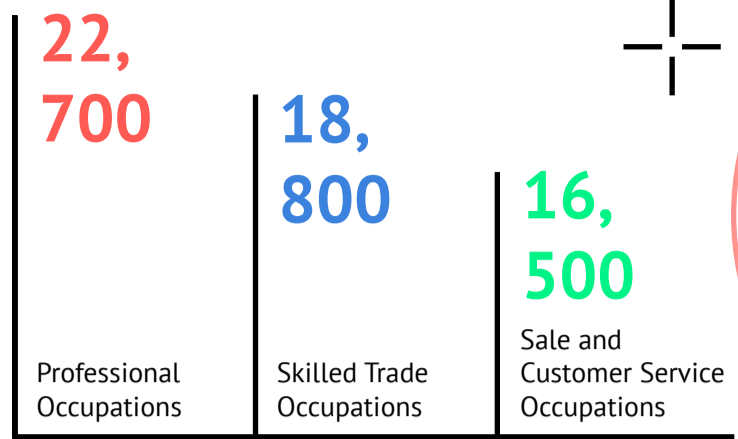
#### Teamwork

#### Emotional Intelligence

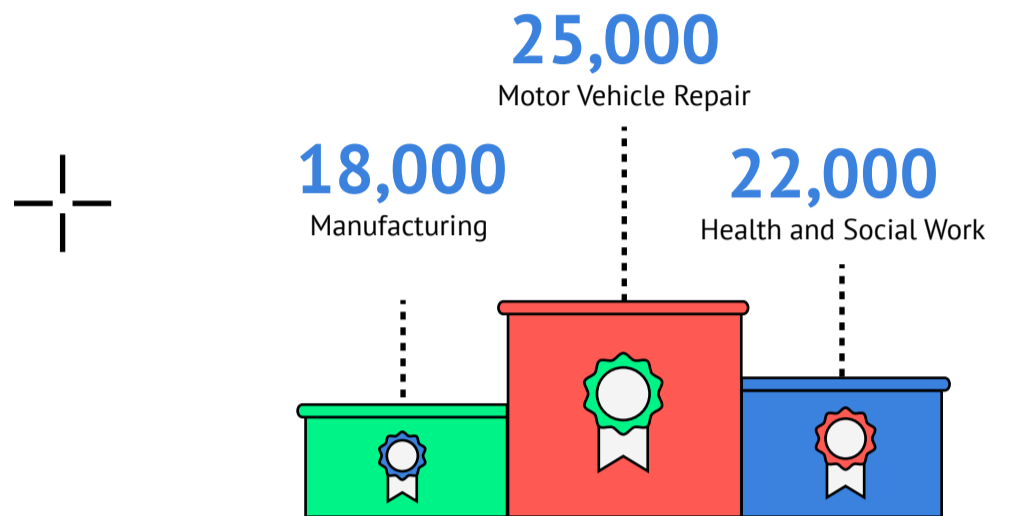
Remember, in an interview scenario, employers will want you to give examples of these skills in action.

### Here are some occupations that require Maths:

- Computer Programmer
- Data Analyst
- Software Developer
- Economist
- Accountant
- Engineer
- Hospital Pharmacist
- Nurse
- Forensic Investigator



### What are the top occupations?



### Hospital Pharmacist

As a hospital pharmacist, you'll be an expert in the field of medicines, understanding how they are used and what their effects are on the human body. As well as dispensing prescriptions, you'll be involved in the purchasing and quality testing of medicines.

#### Average Salary:

**£32,306 to £39,027** per year.

#### Education Route:

GCSEs in Maths and English, A levels in Maths and science (and science-related subjects), Degree in a Science-related subject, Masters degree in pharmacy (MPharm) accredited by the General Pharmaceutical Council (GPhC), complete one-year's foundation training (formerly pre-registration training) as a trainee pharmacist and pass the GPhC registration assessment.

### Accountant

As an accountant, you'll give advice, audit accounts, and provide trustworthy information about financial records. This might involve financial reporting, taxation, auditing, forensic accounting, corporate finance, business recovery and insolvency, or accounting systems and processes.

#### Average Salary:

**£40,000** 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.

### Software Developer

A Software Developer creates, maintains, audits and improves systems to meet particular needs, often as advised by a systems analyst or architect, testing both hard and software systems to diagnose and resolve system faults.

#### Average Salary:

**£43,000** per year.

#### Education Route:

GCSEs in Maths and English, A Levels in Maths, Computer Science, Degree in Computer Software or similar.

## FUTUREGOALS

West Yorkshire Combined Authority

Tracy Brabin Mayor of West Yorkshire

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