



Supporting Careers Education in Maths

The following careers link with the teaching and learning of each key stage across the curriculum

Key Stage 3	Key Stage 4	Key Stage 5
<p>Textiles producer Textiles producers design, develop and produce fibres, yarns and fabrics.</p> <p>Metal worker Metal workers cut, shape, join, sort, and grade metal.</p> <p>Production manager Production managers make sure manufacturing processes run smoothly and cost-effectively, and deliver products on time.</p> <p>Watch or clock repairer Clock and watch repairers mend and restore clocks and watches.</p> <p>Vehicle body repairer Vehicle body repairers mend damaged vehicle parts or bodywork using a range of metalworking and finishing techniques.</p> <p>Motor mechanic</p>	<p>Conservation scientist Conservation scientists manage, improve, and protect natural resources to make the best of them without harming the environment.</p> <p>Vehicle engineer Vehicle engineers design, develop, test and build cars and motorbikes.</p> <p>Animator Add life to 2D images to produce animation sequences.</p> <p>Broadcast engineer Broadcast engineers make sure television, radio and online programmes are broadcast at the right times and are high quality.</p> <p>Product designer Product designers develop and test ideas for new products.</p>	<p>Software developer Software developers design, create, and test out computer programmes you might use at work, in education, or in your free time.</p> <p>App developer App developers design and create apps for phones, computers, or other platforms.</p> <p>Computer games developer Computer games developers design and create games for PCs, consoles, and mobile phones.</p> <p>Credit risk analyst Analyse credit data and financial statements of individuals or firms to determine the degree of risk involved in extending credit or lending money.</p> <p>Economist Economists advise government departments, companies, banks, other organisations and the</p>

Motor mechanics repair and service cars and vans.

Perfumer

Perfumers are experts in fragrance composition. They create the fragrances used in perfumes and other scented products.

Dental technician

Dental technicians design, make and repair the dental appliances used for improving a patients' appearance, speech or ability to chew.

Power station worker

Power station workers operate and maintain equipment in power stations.

Technical author

Technical authors write documents and guides that explain how to use products and services.

Management consultant

Management consultants give advice to clients on how to run their businesses more efficiently.

Construction manager

Construction managers are responsible for the success of building projects, making sure that the work is completed safely, within budget and on time.

Agronomist

Agronomists research the best methods for crop and soil growth, and advise farmers on what they find.

Architect

Architects design new buildings and the spaces

Chemical technician

Chemical technicians conduct chemical and physical laboratory tests to assist scientists in research and development of new products and processes.

Industrial designer

Industrial designers research and develop ideas for new products and the systems used to make them.

Road traffic accident investigator

Road traffic accident investigators carry out examinations to work out why an accident happened.

Cycle mechanic

Cycle mechanics build, repair and service all kinds of bikes.

Industrial machinery mechanic

Industrial machinery mechanics repair, install, adjust, or maintain industrial production and processing machinery.

Motorsport engineer

Motorsport engineers design, build and test racing cars and bikes.

Laboratory technician

Laboratory technicians help scientists carry out research and tests in lab settings.

Vehicle electrician

Vehicle electricians fit and repair the electrics in motor vehicles.

general public about the economy.

Climate scientist

Climate scientists study our planet's changing climate and advise policy makers on their findings.

Actuary

Actuaries provide their clients with an analysis of the costs and risks of certain financial policies.

Investment banker

Investment bankers help companies to raise capital.

Quantitative analyst

Quantitative analysts solve financial problems by creating algorithms or other statistical models.

Prosthodontist

Prosthodontists create and fit artificial devices to improve the function or appearance of a person's teeth, mouth, or jaw.

Mathematician

Mathematicians research and develop mathematical theories, analyse data, and solve problems.

Engineer, for example

Nuclear engineer ; Clinical engineer; Aerospace engineer

Meteorologist

Meteorologists collect and study data to make weather forecasts.

around them, and work on the restoration and conservation of existing buildings.

Vehicle spray painter

Vehicle spray painters apply paint to cars and other vehicles, to cover up scratches or make colouring more consistent.

Garage manager

Garage managers are responsible for the day-to-day running of a garage workshop.

Astronomer

Astronomers study the universe and its origins, and make predictions for its future.

Quantity surveyor

Quantity surveyors oversee construction projects, managing risks and controlling costs.

Critical care technologist

Critical care technologists (CCTs) manage and maintain medical equipment within critical care units.

CAD technician

Computer-aided design (CAD) technicians create technical drawings for products used in the engineering, manufacturing and construction industries.

Hydrologist

Hydrologists study the properties of bodies of water that are underground and surface level.

Airline pilot

Airline pilots fly passengers and cargo to destinations around the world.

Data analyst

Data analysts look for patterns in data, create data models, and present their results in sectors like government, business, health, and education.