

## AGRICULTURE

THIS SECTOR EMPLOYS OVER 350,000 PEOPLE ACROSS THE UK, AND MANY NEW JOBS WILL BE CREATED IN AGRI-TECH IN THE FUTURE.

### CAREER PATHS

- >> ECOLOGIST
- >> FOOD SCIENTIST
- >> PLANT BREEDER & GENETICIST
- >> CONSERVATION SPECIALIST

## ENGINEERING

THE PROPORTION OF YOUNG ENGINEERS HAS DROPPED OVER THE LAST DECADE, THIS MEANS THERE WILL BE A HIGH DEMAND FOR YOUNGER WORKERS IN COMING YEARS.

### CAREER PATHS

- >> MARINE BIOLOGIST
- >> BIO MEDICAL ENGINEER
- >> BIOLOGICAL PROCESS ENGINEER

## PUBLIC SECTOR

THE PUBLIC SECTOR (WHICH INCLUDES NHS HOSPITALS, STATE SCHOOLS, LOCAL COUNCILS AND THE POLICE) EMPLOYS MORE THAN 5 MILLION PEOPLE ACROSS THE UK, THAT'S OVER 17% OF THE WORKFORCE.

### CAREER PATHS

- >> HEALTH SERVICE MANAGER
- >> WATER CONSERVATION OFFICER
- >> ENVIRONMENTAL MANAGER
- >> MEDICAL SALES REPRESENTATIVE

# WHERE CAN

# BIOLOGY

# TAKE YOUR CAREER?

## MEDICINE & HEALTHCARE

THE UK HEALTHCARE INDUSTRY EMPLOYS OVER 4 MILLION PEOPLE, MAKING IT ONE OF THE LARGEST EMPLOYMENT SECTORS. 4 OF THE 5 HIGHEST GRADUATE SALARIES ARE IN FIELDS RELATED TO MEDICINE.

### CAREER PATHS

- >> DENTIST
- >> RADIOGRAPHER
- >> PHARMACIST
- >> OPTICIAN

## SCIENCE & RESEARCH

BETWEEN 2016 AND 2023 JOBS IN SCIENCE AND RESEARCH WILL GROW AT TWICE THE RATE OF OTHER INDUSTRIES, CREATING 142,000 NEW JOBS. 1 IN EVERY 6 JOBS WILL BE IN SCIENCE AND RESEARCH.

### CAREER PATHS

- >> BIOTECHNOLOGIST
- >> MICROBIOLOGIST
- >> RESEARCH SCIENTIST
- >> GENETIC COUNSELLOR

## SPORT & FITNESS

THERE ARE CURRENTLY 431,000 PEOPLE EMPLOYED IN THE SPORT AND FITNESS INDUSTRY. THE NUMBER OF PEOPLE EMPLOYED IN THE INDUSTRY HAS GROWN EVERY YEAR SINCE 2013.

### CAREER PATHS

- >> GYM INSTRUCTOR
- >> REHABILITATION THERAPIST
- >> SKI INSTRUCTOR
- >> PERSONAL TRAINER

## AGRICULTURE

THIS SECTOR EMPLOYS OVER 350,000 PEOPLE ACROSS THE UK, AND MANY NEW JOBS WILL BE CREATED IN AGRI-TECH IN THE FUTURE.

### CAREER PATHS

- >> FARMER
- >> GROWER
- >> SOIL SCIENTIST
- >> FARM HAND

## HEALTH & BEAUTY

THE WORLD OF HEALTH AND BEAUTY IS VERY COLOURFUL AND PROVIDES PLENTY OF OPPORTUNITY FOR YOUR CREATIVITY TO SHINE. BEAUTY TRENDS AND TECHNOLOGIES ARE CONSTANTLY EVOLVING AND CHANGING.

### CAREER PATHS

- >> MASSEUR
- >> BEAUTICIAN
- >> PODIATRIST
- >> SPA MANAGER

# WHERE CAN

# BIOLOGY

# TAKE YOUR CAREER?

## MEDICINE & HEALTHCARE

ALWAYS WANTED TO HELP OTHERS? PEOPLE WHO WORK IN THIS SECTOR ARE INVOLVED IN THE TREATMENT AND DIAGNOSIS OF ILLNESS AND INJURY. THE CAREER PATHS YOU CAN TAKE AND THE PEOPLE YOU CAN WORK WITH ARE AS VARIED AS YOU WANT THEM TO BE.

### CAREER PATHS

- >> HEALTHCARE ASSISTANT
- >> DENTAL HYGIENIST
- >> OPTICAL ASSISTANT
- >> PHARMACY TECHNICIAN

## PUBLIC SECTOR

THE PUBLIC SECTOR (WHICH INCLUDE NHS HOSPITALS, STATE SCHOOLS, LOCAL COUNCILS AND THE POLICE) EMPLOYERS MORE THAN 5 MILLION PEOPLE ACROSS THE UK, THAT'S OVER 17% OF THE WORKFORCE.

### CAREER PATHS

- >> AMBULANCE TECHNICIAN
- >> MEDICAL RECEPTIONIST
- >> EMERGENCY CALL HANDLER
- >> CARE WORKER

## ENERGY & UTILITIES

TODAY ABOUT 50,000 PEOPLE WORK IN THE ENERGY AND UTILITIES SECTOR BUT WITH THE DEMAND FOR GREEN ENERGY GROWING, BY 2020 HALF A MILLION PEOPLE COULD BE WORKING IN RENEWABLES ALONE.

### CAREER PATHS

- >> ENERGY ENGINEER
- >> HAZARDOUS WASTE MANAGER
- >> GEOCHEMIST
- >> NUCLEAR ENGINEER

## SCIENCE & RESEARCH

BETWEEN 2016 AND 2023 JOBS IN SCIENCE AND RESEARCH WILL GROW AT TWICE THE RATE OF OTHER INDUSTRIES, CREATING 142,000 NEW JOBS. 1 IN EVERY 6 JOBS WILL BE IN SCIENCE AND RESEARCH.

### CAREER PATHS

- >> TOXICOLOGIST
- >> NANOTECHNOLOGIST
- >> RESEARCH SCIENTIST

## ENGINEERING

ENGINEERING HAS AN IMAGE PROBLEM - YOUNG PEOPLE OFTEN MISTAKENLY SEE THEM AS 'DIRTY' PROFESSIONS. BUT INCREASING INVESTMENT AND DEVELOPMENT OF TECHNOLOGY MEANS YOU CAN OFTEN BE WORKING IN AN EXCITING, MODERN AND WELL-EQUIPPED ENVIRONMENT.

### CAREER PATHS

- >> CHEMICAL ENGINEER
- >> NUCLEAR ENGINEER
- >> MATERIALS ENGINEER
- >> PRODUCT DEVELOPER

# WHERE CAN CHEMISTRY TAKE YOUR CAREER?

## MANUFACTURING

THE MANUFACTURING SECTOR EMPLOYS AROUND 3 MILLION PEOPLE AND ACCOUNTS FOR 9% OF EMPLOYMENT IN THE UK - THAT IS A LOT OF JOBS!

### CAREER PATHS

- >> PHARMACEUTICAL ENGINEER
- >> MANUFACTURING PLANT MANAGER
- >> TEXTILES SCIENTIST

## EDUCATION

PRIMARY SCHOOL AND NURSERY TEACHERS HAVE ONE OF THE HIGHEST RATES OF JOB SATISFACTION IN THE UK. OVER 450,000 TEACHERS WORK WITHIN EDUCATION ACROSS THE UK.

### CAREER PATHS

- >> SCIENCE TEACHER
- >> SCIENCE WRITER
- >> SCIENCE PROFESSOR
- >> HIGHER EDUCATION LECTURER

## HEALTH & BEAUTY

THE HAIR AND BEAUTY SECTOR IS WELL ESTABLISHED AND A POPULAR CAREER SECTOR, WITH A LOT OF PEOPLE SELF-EMPLOYED, OWNING A SALON, RUNNING THEIR OWN FREELANCE BUSINESS, WORKING OVERSEAS OR ON CRUISE SHIPS. RECENTLY, HOLISTIC THERAPISTS (LIKE AROMATHERAPISTS AND REFLEXOLOGISTS) HAVE JOINED THE BUSINESS. NEW TECHNIQUES WILL CONTINUE TO EVOLVE IN THIS SECTOR.

### CAREER PATHS

- >> HAIR COLOUR SPECIALIST
- >> NAIL TECHNICIAN
- >> BARBER
- >> BEAUTICIAN

## ARMED FORCES

THE BRITISH ARMED FORCES, ALSO KNOWN AS HER MAJESTY'S ARMED FORCES, ARE THE MILITARY SERVICES RESPONSIBLE FOR THE DEFENCE OF THE UNITED KINGDOM, ITS OVERSEAS TERRITORIES AND THE CROWN DEPENDENCIES. THEY ALSO PROMOTE BRITAIN'S WIDER INTERESTS, SUPPORT INTERNATIONAL PEACEKEEPING EFFORTS AND PROVIDE HUMANITARIAN AID.

### CAREER PATHS

- >> BIOMEDICAL SCIENTIST
- >> PHARMACY TECHNICIAN
- >> ENVIRONMENTAL HEALTH TECHNICIAN
- >> WEAPON TECHNICIAN

# WHERE CAN CHEMISTRY TAKE YOUR CAREER?

## MEDICINE & HEALTHCARE

THE UK HEALTHCARE INDUSTRY EMPLOYS OVER 4 MILLION PEOPLE, MAKING IT ONE OF THE LARGEST EMPLOYMENT SECTORS.

### CAREER PATHS

- >> LAB TECHNICIAN
- >> HEALTHCARE ASSISTANT
- >> THEATRE SUPPORT WORKER
- >> DIETETIC ASSISTANT

## SUPPORT SERVICES

AROUND 448,400 PEOPLE WORK IN THE UK'S CONTRACT CLEANING INDUSTRY WITHIN 32,000 DIFFERENT COMPANIES, 1% OF WHICH PROVIDE MORE THAN 50% OF THE WORK AVAILABLE.

### CAREER PATHS

- >> CLEANER
- >> CARETAKER
- >> WINDOW CLEANER
- >> SWIMMING POOL ATTENDANT

## ENERGY & UTILITIES

WORKING IN THE ENERGY AND UTILITY INDUSTRY COULD SEE YOU WORKING IN A RANGE OF ENVIRONMENTS, INCLUDING LABS, OFFICES AND INDUSTRIAL PLANTS.

### CAREER PATHS

- >> GEOCHEMIST
- >> ELECTRICAL ENGINEER
- >> GAS ENGINEER
- >> RADIATION PROTECTION PRACTITIONER

## SCIENCE & RESEARCH

AEROSPACE ENGINEERS WORK ON AIRPLANES, SPACE SHUTTLES, SATELLITES, AND EVEN MISSILES. IN ADDITION TO DESIGNING AND ENGINEERING AIRCRAFT, EMPLOYERS IN THE SCIENCE AND RESEARCH INDUSTRY MUST TEST THE CRAFTS FOR SAFETY.

### CAREER PATHS

- >> AEROSPACE ENGINEER
- >> DATA SCIENTIST
- >> NANOTECHNOLOGIST
- >> METEOROLOGIST

## ENGINEERING

ENGINEERING AND MANUFACTURING IS MADE UP OF MANY DIFFERENT JOB ROLES, MEANING THAT THE CAREER OPPORTUNITIES AVAILABLE WITHIN THIS SECTOR ARE EXTENSIVE.

### CAREER PATHS

- >> ELECTRONIC ENGINEER
- >> MECHANICAL ENGINEER
- >> SOFTWARE ENGINEER
- >> NUCLEAR ENGINEER

# WHERE CAN PHYSICS TAKE YOUR CAREER?

## EDUCATION

PRIMARY SCHOOL AND NURSERY TEACHERS HAVE ONE OF THE HIGHEST RATES OF JOB SATISFACTION IN THE UK. OVER 450,000 TEACHERS WORK WITHIN EDUCATION ACROSS THE UK.

### CAREER PATHS

- >> SCIENCE PROFESSOR
- >> HIGHER EDUCATION LECTURER
- >> SCIENCE TEACHER

## I.T. AND THE INTERNET

PEOPLE WITH QUALIFICATIONS IN I.T. HAVE ONE OF THE HIGHEST RATES OF EMPLOYMENT IN THE UK.

### CAREER PATHS

- >> DATA ANALYST
- >> SOFTWARE DEVELOPER
- >> WEB DEVELOPER
- >> SYSTEMS ANALYST

## CONSTRUCTION

ONLY 6 PERCENT OF HIGH SCHOOL STUDENTS CONSIDER A CAREER IN THE TRADES. BY 2030, 79 MILLION SKILLED TRADESMEN WILL RETIRE, WHILE ONLY 41 MILLION NEW WORKERS WILL ENTER THE WORKFORCE. SKILLED TRADESMEN CAN MAKE ABOVE-AVERAGE INCOMES.

### CAREER PATHS

- >> PLUMBER
- >> ELECTRICIAN
- >> ELECTRICAL ENGINEER
- >> ESTIMATOR

## EDUCATION

WHEN THINKING OF THE FIELD OF EDUCATION, BECOMING A TEACHER IS THE MOST OBVIOUS FORM OF AN EDUCATIONAL CAREER. EVEN WITHIN TEACHING, THE SUBJECT AREAS AND AGE GROUPS ARE SO VARIED THAT A RANGE OF OPTIONS EXIST.

### CAREER PATHS

- >> CHILD CARE ASSISTANT
- >> TEACHING ASSISTANT
- >> SCHOOL SECRETARY / PA
- >> LIBRARIAN

# WHERE CAN

# PHYSICS

# TAKE YOUR CAREER?

## TRANSPORT & LOGISTICS

THE UK TRANSPORT INDUSTRY EMPLOYS 1.5 MILLION PEOPLE ACROSS THE COUNTRY. OVER THE NEXT 10 YEARS, 100,000 NEW WORKERS WILL BE REQUIRED IN RAIL ALONE.

### CAREER PATHS

- >> TELECOMS RAILWAY TECHNICIAN
- >> LOGISTIC ANALYST
- >> MECHANIC
- >> PILOT

## I.T. AND THE INTERNET

PEOPLE WITH QUALIFICATIONS IN I.T. HAVE ONE OF THE HIGHEST RATES OF EMPLOYMENT IN THE UK.

### CAREER PATHS

- >> COMPUTER SUPPORT SPECIALIST
- >> COMPUTER FORENSIC ANALYST
- >> SOFTWARE SUPPORT ANALYST
- >> DATA ADMINISTRATOR