

Careers Overview

Year 1

Animals Including Humans: All About Me

Air ambulance doctor



Quick Summary of Qualifications:

- ✓ Get GCSEs in English, Maths, and Science
- ✓ Complete A-levels (typically Biology and Chemistry, plus a third subject) or an Access to Medicine course
- ✓ Study Medicine (MBBS/MBChB) at university (5–6 years)
- ✓ Complete the UK Foundation Programme (FY1 & FY2)
- ✓ Enter specialty training in a relevant area (e.g. Emergency Medicine, Anaesthetics, or Intensive Care)
- ✓ Gain several years of post-qualification clinical experience
- ✓ Undertake pre-hospital emergency medicine (PHEM) training and qualifications
- ✓ Apply to work with a Helicopter Emergency Medical Service (HEMS) / Air Ambulance charity

Key Skills:

Staying calm, helping and caring, quick thinking, working as a team, problem-solving.

Seasonal Changes

Weather Presenter



Quick Summary of Qualifications:

- ✓ No single required qualification – there's no fixed entry route
- ✓ Get a science background (often meteorology, geography, physics, or environmental science) or a journalism/media background
- ✓ Build strong communication and presenting skills (TV, radio, drama, media training)
- ✓ Gain broadcast experience (local radio/TV, newsroom roles, screen tests)
- ✓ Many presenters train as meteorologists first (e.g. via the Met Office)
- ✓ Apply to broadcasters (BBC, ITV, Channel 4/5) who often provide in-house training

Key Skills:

Explaining the weather in simple words, Talking clearly and confidently on screen, Reading maps and symbols, Smiling and helping people understand the forecast, Working as a team with camera and studio crews

Exploring Everyday Materials 1

Carpenter



Quick Summary of Qualifications:

- ✓ No legal qualification required, but employers expect training and experience
- ✓ Main route: Carpentry apprenticeship (earn while you learn, 2–4 years)
- ✓ Gain NVQ Level 2 or 3 in Carpentry / Wood Occupations
- ✓ Get a CSCS card to work on construction sites
- ✓ Build on-the-job experience (essential)
- ✓ Optional: college courses if you can't get an apprenticeship straight away

Key Skills:

Using tools safely to build things, Measuring and cutting wood carefully, Following plans and instructions, Fixing and joining pieces neatly, Working patiently and helping others

Exploring Everyday Materials 2

Textile Artist



Quick Summary of Qualifications:

- ✓ No formal qualifications are legally required
- ✓ Many textile artists study Art, Textiles, or Fine Art (GCSEs, A-levels, BTEC – helpful but optional)
- ✓ A degree in Textiles, Textile Design, or Fine Art is common but not essential
- ✓ Portfolio quality matters most (skills, ideas, process, finished work)
- ✓ Build skills through short courses, workshops, and self-directed practice
- ✓ Gain experience through exhibitions, commissions, selling work, or residencies
- ✓ Most textile artists are self-employed, so business and marketing skills are important

Key Skills:

Creating patterns and designs with fabric, Using hands carefully to sew, weave, or stitch, Choosing colours and textures that look nice together, Being patient and enjoying making things slowly, Sharing creative ideas through art

Animals Including Humans: Animals

Veterinary nurse



Quick Summary of Qualifications:

- ✓ Get GCSEs in English, Maths, and Science (Biology preferred)
- ✓ Complete an RCVS-approved veterinary nursing qualification, either:
 - Level 3 Diploma in Veterinary Nursing, or
 - Foundation Degree / BSc Veterinary Nursing
- ✓ Be employed or placed in an approved veterinary training practice during your course
- ✓ Complete required practical training hours in a vet practice
- ✓ Register with the Royal College of Veterinary Surgeons (RCVS)
- ✓ Qualify as a Registered Veterinary Nurse (RVN)

Key Skills:

Caring gently for animals, Helping pets feel calm and safe, Learning how to help sick or hurt animals, Working carefully with medicines and tools, Being kind and working as part of a team

Plants

Florist



Quick Summary of Qualifications:

- ✓ No formal qualifications are legally required
- ✓ Learn floristry skills through college courses (Level 2–3), apprenticeships, or short courses
- ✓ Gain hands-on experience working in a flower shop (very important)
- ✓ Build a portfolio of arrangements (bouquets, weddings, events)
- ✓ Develop customer service and business skills, especially if self-employed

Key Skills:

Caring for flowers and plants, Choosing pretty colours and designs, Using hands carefully to arrange flowers, Looking after flowers so they stay fresh, Being friendly and helping customers

Animals Including Humans: Growth

Nutritionist



Quick Summary of Qualifications:

- ✓ No legal qualification required, but professional training is strongly recommended
- ✓ Study a degree in Nutrition or related science (e.g. Nutrition, Human Nutrition, Food & Nutrition)
- ✓ Choose an Association for Nutrition (AfN)-accredited course if possible
- ✓ Gain experience and apply to the UK Voluntary Register of Nutritionists
- ✓ Work in areas such as public health, sport, education, food industry, or private practice

Key Skills:

Helping people choose healthy foods, Explaining food in simple and friendly ways, Learning how foods help our bodies grow strong, Listening carefully and being kind, Helping people make good food choices

Living Things and Their Habitats

Zookeeper



Quick Summary of Qualifications:

- ✓ No legal qualifications required, but the career is very competitive
- ✓ Gain a Level 2-3 Animal Care or Animal Management qualification (common and often expected)
- ✓ Get extensive hands-on experience (zoo volunteering is essential)
- ✓ Apply for entry-level keeper roles or apprenticeships
- ✓ Build skills in animal care, health & safety, teamwork, and physical stamina

Key Skills:

Caring gently for animals every day, Learning what different animals need, Keeping animals safe, clean, and healthy, Being patient and calm around animals, Working as a team and helping visitors learn

Uses of Everyday Materials

Fashion Designer



Quick Summary of Qualifications:

- ✓ No formal qualifications are legally required, but training is strongly recommended
- ✓ Study Fashion Design or Fashion & Textiles (GCSEs, A-levels, BTEC, or a degree are common routes)
- ✓ Build a strong design portfolio (sketches, garments, concepts, mood boards)
- ✓ Gain practical experience through internships, placements, or studio work
- ✓ Develop skills in design, sewing/pattern cutting, trends, and textiles
- ✓ Start a career in fashion houses, high-street brands, or self-employment

Key Skills:

Creating new clothes and outfits, Drawing ideas and choosing colours, Using fabrics and sewing carefully, Watching fashion trends and styles, Sharing ideas and working with others

Living Things and Their Habitats: Habitats Around the World

Polar Scientist



Quick Summary of Qualifications:

- ✓ Strong background in science and maths at school (GCSEs and A-levels, especially Biology, Chemistry, Physics, Maths, Geography)
- ✓ Complete a science degree such as Environmental Science, Geography, Biology, Earth Science, Oceanography, or Climate Science
- ✓ Usually progress to a Master's degree (MSc) in a relevant field (e.g. Polar Science, Glaciology, Climate Science)
- ✓ Many roles require a PhD for research and scientific leadership positions
- ✓ Gain fieldwork, data analysis, and research experience, often through universities or research institutes
- ✓ Apply for roles linked to organisations such as universities or UK polar research programmes

Key Skills:

Learning about ice, snow, and cold places, Being curious and asking lots of questions, Watching animals and the environment carefully, Working safely in cold weather, Working with others and sharing discoveries

Animals Including Humans: Life Cycles

Farmer



Quick Summary of Qualifications:

- ✓ No formal qualifications are legally required to be a farmer
- ✓ Gain practical farming experience (family farm, farm work, apprenticeships, volunteering)
- ✓ Study agriculture or farming courses if helpful (Level 2-3, apprenticeships, or degrees in Agriculture/Farm Management)
- ✓ Choose a type of farming (arable, livestock, dairy, mixed, horticulture)
- ✓ Learn business and land-management skills (finance, machinery, animal welfare, health & safety)
- ✓ Access land through family farms, renting/tenancies, partnerships, or new-entrant schemes

Key Skills:

Caring for plants and animals, Working outdoors in all weather, Using tools and machines safely, Being patient and hardworking, Helping grow food for people

Plants

Seed Analyst



Quick Summary of Qualifications:

- ✓ Get GCSEs in Science and Maths (Biology important)
- ✓ Study A-levels, BTEC, or an equivalent in Biology, Agriculture, or Science
- ✓ Complete a degree or vocational qualification in Plant Science, Agriculture, Biology, or Seed Technology (often preferred)
- ✓ Gain laboratory experience (seed testing, quality control, data recording)
- ✓ Many roles require or support training through the International Seed Testing Association (ISTA) or employer-led certification
- ✓ Work in seed testing laboratories, agricultural organisations, or seed companies

Key Skills:

Looking closely at seeds, Being careful and patient, Using simple science tools, Writing down what you see, Helping farmers grow healthy plants

Forces and Magnets

Formula 1 Engineer



Quick Summary of Qualifications:

- ✔ Strong STEM foundation required – Maths and Physics at A-level (or equivalents)
- ✔ Study an engineering degree – Mechanical, Aerospace, Motorsport, Electrical/Electronic, or similar
- ✔ Gain motorsport experience early – Formula Student, placements, internships, simulator or data roles
- ✔ Develop specialist skills – Data analysis, aerodynamics, vehicle dynamics, software/CAD (MATLAB, Python, CATIA/NX)
- ✔ Start in junior categories – Graduate roles, F3/F2, GT, endurance, or motorsport suppliers
- ✔ Apply to UK-based F1 teams – Via graduate schemes and direct technical roles (highly competitive)

Key Skills:

Understanding how fast cars work, Enjoying maths and problem-solving, Testing ideas to make cars quicker and safer, Staying calm and thinking fast, Working as a team and sharing ideas

Rocks

Geologist and Miner



Quick Summary of Qualifications (Miner):

- ✔ No formal degree required – most roles start with on-the-job training
- ✔ Meet basic requirements – good physical fitness, safety awareness, and being over 18
- ✔ Gain relevant qualifications – NVQs or apprenticeships in mining, quarrying, engineering, or plant operations help
- ✔ Health & safety training – mandatory certifications (e.g. quarry safety, explosives handling, plant tickets)
- ✔ Apply to mining/quarry companies – aggregates, stone, potash, salt, and specialist mining sectors

Key Skills:

Working safely underground, Using tools and machines carefully, Being strong and active, Following rules to stay safe, Working together as part of a team

Animals Including Humans

Orthopaedic Surgeon



Quick Summary of Qualifications:

- ✔ Medical degree (MBBS/MBChB) – 5-6 years at medical school
- ✔ Foundation Programme – 2 years of general medical training (FY1-FY2)
- ✔ Core Surgical Training (CST) – 2 years, including passing the MRCS exams
- ✔ Specialty Training in Trauma & Orthopaedics – Around 6 years (ST3-ST8)
- ✔ Gain GMC specialist registration – Receive a CCT (Certificate of Completion of Training)
- ✔ Consultant or specialist roles – Work in NHS hospitals or private practice

Key Skills:

Helping fix bones and joints, Using hands carefully and gently, Staying calm and focused, Solving problems to help people move better, Being kind and working well with a team

Light

Lighting technician



Quick Summary of Qualifications:

- ✔ No formal degree required – many enter through hands-on experience or training
- ✔ Study a relevant course (optional) – Theatre Production, Lighting Design, Technical Theatre, or Live Event Technology
- ✔ Gain practical experience – assisting on theatre, TV, film, concerts, or events (work experience is crucial)
- ✔ Learn technical skills – lighting desks, rigging, electrics, DMX, health & safety
- ✔ Get safety certifications – ECS card, IPAF (working at height), electrical safety training
- ✔ Start in junior roles – lighting assistant or trainee technician and progress with experience

Key Skills:

Using lights to make things bright and colourful, Setting up equipment safely, Following instructions carefully, Fixing problems when lights don't work, Working together as part of a team

Plants

Beekeeper



Quick Summary of Qualifications:

- ✔ No formal qualifications required – beekeeping is usually learned through practical experience
- ✔ Join a local beekeeping association – many offer beginner courses and mentoring
- ✔ Complete training (recommended) – short courses from the British Beekeepers Association (BBKA) or local groups
- ✔ Get hands-on experience – start with a hive, work with an experienced beekeeper, or volunteer
- ✔ Learn bee health and safety – disease control, seasonal management, and hive inspections
- ✔ Choose a pathway – hobbyist, small-scale honey producer, or commercial beekeeper
- ✔ Follow regulations – register hives and follow UK bee health guidance

Key Skills:

Caring gently for bees, Staying calm and patient, Watching closely and noticing changes, Learning about nature and seasons, Working carefully and responsibly

Scientific Enquiry

Clinical Research Scientist



Quick Summary of Qualifications:

- ✔ Strong science background – A-levels (or equivalent) in Biology, Chemistry, or related subjects
- ✔ Relevant degree – Biomedical Science, Pharmacology, Biology, Chemistry, or a related life science
- ✔ Postgraduate study (common but not essential) – MSc or PhD in Clinical Research, Life Sciences, or related field
- ✔ Gain research experience – laboratory work, clinical trials support, NHS research roles, or pharmaceutical placements
- ✔ Good Clinical Practice (GCP) training – essential for working on clinical trials
- ✔ Work in entry roles – research assistant, clinical trial coordinator, or associate scientist

Key Skills:

Being curious and asking questions, Following rules carefully to keep people safe, Writing notes and looking closely at results, Working patiently on experiments, Sharing ideas clearly and working well with others

States of Matter

Chemical Engineer



Quick Summary of Qualifications:

- ✓ Strong STEM background – A-levels (or equivalents) in Maths and Chemistry (Physics helpful)
- ✓ Study an accredited degree – Chemical Engineering or related degree approved by IChemE
- ✓ Gain practical experience – industrial placements, internships, or a year in industry
- ✓ Start in graduate roles – chemical, process, or production engineer in sectors like pharmaceuticals, energy, food, or materials
- ✓ Professional registration (optional but beneficial) – work towards Chartered Engineer (CEng) status via IChemE

Key Skills:

Mixing science and maths to solve problems, Making useful things safely, Following clear steps and rules, Testing ideas to see what works best, Working with others and sharing ideas

Sound

Audiologist



Quick Summary of Qualifications:

- ✓ Strong science background – A-levels (or equivalents) in Biology, Physics, or Maths
- ✓ Study an approved degree – BSc in Audiology or Healthcare Science (Audiology) accredited by the HCPC
- ✓ Alternative NHS route – NHS Practitioner Training Programme (PTP) in Healthcare Science (Audiology)
- ✓ Clinical training required – hands-on placements with patients during your course
- ✓ Register with the HCPC – mandatory to practise as an audiologist in the UK
- ✓ Work in clinical settings – NHS hospitals, private clinics, community services, or research

Key Skills:

Helping people hear better, Listening carefully being kind, Using special machines and tools, Explaining sounds in simple ways, Making people feel comfortable and confident

Electricity

Electrician



Quick Summary of Qualifications:

- ✓ No university degree required – most electricians qualify through practical routes
- ✓ Complete an apprenticeship or NVQ – Level 3 NVQ Diploma in Electrical Installations is the standard route
- ✓ Study key qualifications – Level 2 & 3 Electrical Installation courses (often alongside an apprenticeship)
- ✓ Gain on-site experience – working under a qualified electrician is essential
- ✓ Achieve AM2 assessment – confirms occupational competence
- ✓ Get certified – apply for an ECS card and join a Competent Person Scheme (e.g. NICEIC, NAPIT)
- ✓ Work independently or employed – domestic, commercial, or industrial sectors

Key Skills:

Fixing and connecting wires safely, Understanding how electricity helps things work, Being careful and following safety rules, Using tools neatly and correctly, Helping people and working as part of a team

Animals Including Humans

Dentist



Quick Summary of Qualifications:

- ✓ Strong science background – A-levels (or equivalents) in Biology and Chemistry are usually required
- ✓ Study Dentistry at university – 5-year BDS degree (Bachelor of Dental Surgery) approved by the General Dental Council (GDC)
- ✓ Vocational/Foundational Training – 1 year of supervised practice in an NHS dental setting
- ✓ Register with the GDC – mandatory to practise as a dentist in the UK
- ✓ Work as a qualified dentist – NHS, private practice, or hospital roles
- ✓ Optional specialisation – further training in areas like orthodontics, oral surgery, or paediatric dentistry

Key Skills:

Helping people keep their teeth healthy, Using hands carefully and gently, Listening kindly and explaining things simply, Keeping everything clean and safe, Making people feel calm and brave

Living Things and Their Habitats

Volcano Vlogger



Quick Summary of Qualifications:

- ✓ No formal qualifications required – but strong knowledge helps
- ✓ Build scientific understanding – study geology, volcanology, geography, or earth science (degree optional but valuable)
- ✓ Develop content-creation skills – filming, editing, storytelling, and using platforms like YouTube, TikTok, or Instagram
- ✓ Gain field and research experience – travel to volcanic regions, follow scientists, attend talks, read official monitoring reports
- ✓ Invest in safe equipment – cameras, drones (with legal permissions), audio gear, protective clothing
- ✓ Prioritise safety and ethics – never approach restricted areas; follow local laws and volcanic hazard guidance
- ✓ Grow an audience – consistent posting, clear explanations, visuals, and engagement with the science community

Key Skills:

Learning how volcanoes work, Sharing exciting stories and facts clearly, Using cameras and videos to show what you see, Staying safe and making good choices, Being curious, brave, and enthusiastic

Living Things and Their Habitats: Conservation

Marine Conservationist



Quick Summary of Qualifications:

- ✓ Strong science background – A-levels (or equivalents) in Biology, Geography, or Environmental Science
- ✓ Study a relevant degree – Marine Biology, Marine Conservation, Environmental Science, or Zoology
- ✓ Postgraduate study (often helpful) – MSc in Marine Conservation, Marine Ecology, or related field
- ✓ Gain practical experience – volunteering, internships, fieldwork, NGOs (e.g. wildlife charities, research projects)
- ✓ Develop field and research skills – data collection, species identification, GIS, report writing
- ✓ Work in conservation roles – NGOs, research institutes, government bodies, or environmental consultancies

Key Skills:

Caring about the ocean and sea animals, Enjoying being outdoors near beaches and water, Watching carefully and noticing changes in nature, Helping protect plants and animals, Working with others to keep seas clean and healthy

Earth and Space

Aerospace engineer



Quick Summary of Qualifications:

- ✔ Strong STEM background – A-levels (or equivalents) in Maths and Physics
- ✔ Study an accredited degree – Aerospace Engineering, Mechanical Engineering, or Aeronautical Engineering (IMEchE/RAeS accredited)
- ✔ Gain practical experience – industrial placements, internships, year-in-industry, or engineering projects
- ✔ Start in graduate roles – aerospace companies, defence, aviation, space, or engineering consultancies
- ✔ Develop specialist skills – aerodynamics, structures, propulsion, control systems, CAD, simulation
- ✔ Professional registration (optional but beneficial) – work towards Chartered Engineer (CEng) status

Key Skills:

Understanding how planes and rockets fly, Enjoying maths and problem-solving, Designing and building exciting machines, Testing ideas to make things safer and better, Working as a team and sharing ideas

Animals Including Humans

Phlebotomist



Quick Summary of Qualifications:

- ✔ No formal degree required – entry is usually through practical training
- ✔ Gain healthcare experience – NHS healthcare assistant (HCA) roles are a common starting point
- ✔ Complete phlebotomy training – via NHS in-house training, colleges, or accredited private courses
- ✔ Develop practical skills – venepuncture, patient care, infection control, and health & safety
- ✔ Apply for phlebotomist roles – NHS hospitals, GP surgeries, clinics, or private healthcare providers

Key Skills:

Being gentle and careful with people, Helping others feel calm and brave, Using hands steadily and safely, Keeping things clean and tidy, Talking kindly and explaining what will happen

Properties of Materials

Lab Technician



Quick Summary of Qualifications:

- ✔ No specific degree always required – entry routes vary by sector
- ✔ Relevant qualifications helpful – Level 2/3 laboratory science courses, A-levels in Biology/Chemistry, or a science degree
- ✔ Gain practical experience – school/college labs, NHS roles, research labs, or apprenticeships
- ✔ Apply for entry roles – laboratory assistant or trainee lab technician
- ✔ Develop core lab skills – sample handling, equipment use, data recording, and health & safety
- ✔ Work across sectors – NHS, research, universities, pharmaceuticals, or industry

Key Skills:

Using science tools carefully, Following instructions and staying safe, Writing down results neatly, Being curious and asking questions, Working well with others in a team

Changes of Materials

Hairdresser



Quick Summary of Qualifications:

- ✔ No university degree required – practical training is the main route
- ✔ Complete a recognised qualification – Level 2 & 3 NVQ/SVQ in Hairdressing or Barbering
- ✔ Start with an apprenticeship – work in a salon while training and earning
- ✔ Gain hands-on experience – cutting, colouring, styling, and customer service
- ✔ Build a portfolio and client base – essential for employment or self-employment
- ✔ Work as employed or self-employed – salons, freelance work, or starting your own business
- ✔ Continue professional development – advanced styling, colouring, or specialist techniques

Key Skills:

Cutting and styling hair neatly, Listening to what people want, Being friendly and kind to customers, Using hands carefully and confidently, Being creative and having fun with styles

Living Things and Their Habitats

Catchment Officer



Quick Summary of Qualifications:

- ✔ Strong environmental background – A-levels or equivalents in Geography, Biology, or Environmental Science
- ✔ Study a relevant degree – Environmental Science, Geography, Hydrology, Ecology, or Water Management
- ✔ Gain practical experience – internships or volunteering with environmental charities, water companies, or local authorities
- ✔ Develop technical skills – data collection, GIS, water quality monitoring, stakeholder engagement
- ✔ Apply for roles – Environment Agency, water companies, local councils, NGOs, or conservation organisations

Key Skills:

Looking after rivers and nature, Understanding how water moves around the land, Solving problems to help plants, animals, and people, Talking kindly with landowners and local communities, Working outdoors and enjoying teamwork

Forces

Physicist



Quick Summary of Qualifications:

- ✔ Strong STEM background – A-levels (or equivalent subject) in Maths and Physics
- ✔ Study a physics degree – BSc in Physics (or related subject) (often followed by an integrated Master's MSci)
- ✔ Postgraduate study (usually required) – PhD in a specialised area of physics
- ✔ Gain research experience – university research projects, laboratories, internships, or placements
- ✔ Develop specialist skills – data analysis, programming, mathematical modelling, experimental or theoretical methods
- ✔ Work in research or industry – universities, research institutes, engineering, technology, finance, or data science
- ✔ Typical route: 7–9+ years after A-levels

Key Skills:

Wondering how things work and asking questions, Using maths to solve puzzles, Doing experiments and testing ideas, Thinking carefully and logically, Keeping trying even when problems are tricky

Evolution and Inheritance

Forensic scientist



Quick Summary of Qualifications:

- ✔ Strong science background – A-levels (or equivalents) in Chemistry, Biology, Maths, or Physics
- ✔ Study a relevant degree – Forensic Science, Chemistry, Biology, or a related science subject
- ✔ Choose an accredited course if possible – Courses accredited by the Chartered Society of Forensic Sciences are valued
- ✔ Gain practical experience – laboratory work, placements, internships, or university research projects
- ✔ Develop specialist skills – evidence handling, analytical techniques, data interpretation, and report writing
- ✔ Apply for entry roles – forensic scientist, assistant scientist, or laboratory technician
- ✔ Work in the field – police forces, private forensic providers, laboratories, or research institutions

Key Skills:

Looking closely at tiny clues, Being patient and careful, Using science tools and experiments, Thinking logically to solve mysteries, Writing clearly about what was found.

Electricity

Electrical Engineer



Quick Summary of Qualifications:

- ✔ Strong STEM background – A-levels (or equivalents) in Maths and Physics
- ✔ Study an accredited degree – Electrical or Electrical & Electronic Engineering (IET-accredited preferred)
- ✔ Gain practical experience – industrial placements, internships, or a year in industry
- ✔ Start in graduate roles – power, electronics, communications, control systems, renewable energy, or manufacturing sectors
- ✔ Professional registration (optional but beneficial) – work towards Chartered Engineer (CEng) or Incorporated Engineer (IEng) status via the IET

Key Skills:

Understanding how electricity works, Solving puzzles and fixing problems, Being careful and staying safe, Building and testing things, Working well with others and sharing ideas

Light

Optician



Quick Summary of Qualifications:

- ✔ Strong science background – A-levels (or equivalents) in Biology, Physics, or Maths are helpful
- ✔ Study an approved degree or qualification – Ophthalmic Dispensing degree or Level 6 Diploma approved by the General Optical Council (GOC)
- ✔ Complete workplace training – supervised practice in an optical practice alongside your studies
- ✔ Register with the GOC – required to practise as a dispensing optician in the UK
- ✔ Work in optical settings – high-street opticians, hospitals, or specialist eye clinics

Key Skills:

Helping people see clearly and comfortably, Choosing the right glasses for different people, Being careful and precise with small details, Listening kindly and explaining things simply, Working neatly and responsibly

Animals Including Humans

Cardiac Coach



Quick Summary of Qualifications:

- ✔ Relevant fitness or health background – interest in exercise, health, and long-term conditions
- ✔ Gain recognised qualifications – Level 3 Personal Training or Exercise Referral (Level 3/4), often with a cardiac rehabilitation or long-term conditions focus
- ✔ Specialist cardiac training – Level 4 Cardiac Rehabilitation or qualifications aligned with BACPR standards
- ✔ Gain supervised experience – work or placements in NHS cardiac rehab teams, leisure centres, or community health programmes
- ✔ Understand safety and clinical boundaries – exercise prescription, risk assessment, and emergency procedures
- ✔ Work in health settings – NHS hospitals, community rehab programmes, leisure trusts, or private cardiac wellness services

Key Skills:

Helping people exercise safely for their hearts, Listening carefully and being kind and encouraging, Explaining exercises in simple, clear ways, Watching for safety and knowing when to stop, Cheering people on and helping them feel confident

Living Things and Their Habitats

Ecologist



Quick Summary of Qualifications:

- ✔ Strong environmental science background – A-levels (or equivalents) in Biology, Geography, or Environmental Science
- ✔ Study a relevant degree – Ecology, Environmental Science, Biology, Zoology, or Conservation
- ✔ Postgraduate study (often helpful) – MSc in Ecology, Conservation, or Environmental Management
- ✔ Gain practical field experience – volunteering, internships, surveys, and fieldwork with wildlife trusts, consultancies, or NGOs
- ✔ Develop technical skills – species identification, data collection, GIS, report writing
- ✔ Apply for ecology roles – environmental consultancies, NGOs, local authorities, or government agencies

Key Skills:

Watching and learning about plants and animals, Being careful and kind to nature, Exploring outdoors and enjoying fieldwork, Noticing small details and changes in nature, Working together and sharing findings with others

Looking After Our Environment

Solar farm manager



Quick Summary of Qualifications:

- ✔ Relevant technical or environmental background – engineering, renewable energy, construction, or environmental science is helpful
- ✔ Gain industry experience – work in solar installation, operations & maintenance (O&M), site supervision, or energy projects
- ✔ Develop management skills – health & safety, contractor management, budgeting, compliance, and reporting
- ✔ Understand solar systems – PV technology, grid connections, performance monitoring, and fault-finding
- ✔ Gain relevant certifications – health & safety (SMSTS/SSSTS), electrical awareness, site management qualifications
- ✔ Apply for roles – solar developers, energy companies, engineering firms, or asset management organisations

Key Skills:

Understanding how solar panels make electricity, Keeping everyone safe on the site, Organising people and jobs, Fixing problems when something goes wrong, Talking clearly and working well with others