Environmental conservation encompasses the landscape, habitat, trees, ponds and wildlife areas.

Protecting the natural environment involves talking to and educating those interested in wildlife who want information and advice on how to behave in and protect conservation areas. You may work with landowners or businesses to gain support for conservation activities or with others as part of community conservation projects. Much conservation work is funded by government agencies or charitable organisations and therefore full and accurate records of spending and benefits gained are important.

Flexible working hours involves evening and weekend work and longer hours when visitors are expected. You will work both inside (management and recording keeping) and outside (on conservation related projects) irrespective of the weather.

There are 3,000+ environmental conservation organisations in the UK and approximately 200,000 volunteers. 90% of the workforce is qualified at or above, Level 2, with more than 75% qualified to degree level. Source: Lantra
Exploring Careers Through Technical Routes

Tasks
1. Measure the height of trees in a specialist forestry area.
2. Order boundary fencing for an enclosure (boundary has been measured in yards, and fencing is sold in metric lengths).
3. Plot a graph of rainfall in a certain place over time to show visitors the importance of rain to a particular habitat or species.
4. Calculate populations of plants or species over a given area.
5. Work out the probability of a migratory species returning to a given area on an annual basis.

Tasks
1. Provide information and advice to visitors and members of the public.
2. Write a report to satisfy funding bodies of the impact of the conservation work.
3. Listen to, understand and respond to health and safety requirements of operating a piece of machinery.

Calculation including problem solving

Links to GCSE Maths
1. **Geometry and measure** (trigonometry – angles of elevation and depression)
2. **Number** (whole numbers – multiplication, division)
3. **Geometry and measure** (units of measure – changing between units of measure)
4. **Ratio** (ratio in context – simplifying ratios; percentages – calculating percentages of amounts)
5. **Probability** (finding probability - probability)

Communication, all forms

Links to GCSE English Language
1. **Spoken language** (speaking and listening – audience and purpose)
2. **Writing** (non-fiction – context, audience and purpose; organising information and ideas – paragraphs; literary techniques – informative language)
3. **Spoken language** (listening – to other)
4. **Spoken language** (speaking and listening – to others)

Job Roles & Progression

Volunteering for organisations is one of the best ways to get experience. Join your conservation volunteer group and try for relevant and quality work experience.

Study Programme

Further Study
- FdSc Wildlife Conservation
- Zoological Conservation
- BSc (Hons) Conservation Biology, Environmental Conservation

Apprenticeships
- Intermediate and Advanced Environmental

Career Roles
- Nature Conservation Officer
- Scientific study
- Managerial roles within charitable or government agencies
- Specific roles in forestry or conservation

Links to GCSE Maths

Geometry and measure (trigonometry – angles of elevation and depression)
Number (whole numbers – multiplication, division)
Geometry and measure (units of measure – changing between units of measure)
Ratio (ratio in context – simplifying ratios; percentages – calculating percentages of amounts)
Probability (finding probability - probability)

Links to GCSE English Language

Spoken language (speaking and listening – audience and purpose)
Writing (non-fiction – context, audience and purpose; organising information and ideas – paragraphs; literary techniques – informative language)
Spoken language (listening – to other)
Spoken language (speaking and listening – to others)
4. Deliver a presentation to an educational group on your work.

5. Keep up to date knowledge through social media of worldwide projects relating to your own work.