

Environmental Education Officer



Amy Wright works for national conservation charity BTCV at Skelton Grange Environment Centre in Leeds. After completing a BSc Geography degree, she started a placement at the Environment Centre, running the Flying Slug Outreach Project in local primary schools.

Amy is now Skelton's Education Officer, overseeing the schools programme at the Centre. Primary-aged children visit the Centre for a day and take part in curriculum-linked environmental activities, both in the Centre and out on the surrounding wildlife site. Amy also runs a Forest School in the onsite woodland and is setting up Forest Schools throughout the city.

'This is a fantastic job! Every day I get to take groups of children outside, come rain, hail or shine, and attempt to open their eyes to and make new discoveries in the natural world. Every day is different. In any one day I could be teaching children to pond dip, grow vegetables, become human food chains and hunt for minibeasts in the woods! For me, helping children to find out about, be comfortable in and enjoy nature is amazing and essential for building future happy and sustainable communities'

www.skeltongrange.org.uk
www.forestschoools.com

Meteorologist



Fiona Campbell is a meteorologist with a passion for the environment and love of sailing. She currently works for the Carbon Trust as well as running her own marine meteorology business, Skye Weather Ltd. and working with Skandia Team GBR.

'From 2000-2001, I was a weather forecaster for Onlineweather.com. I was responsible for compiling, writing and distributing UK wide city, regional, outdoor sports and farming forecasts to many clients including MSN, B&Q and many Scottish Newspapers.

Since 2001 I have produced forecasts for all Olympic, European & World regattas. The consequences of sailing in the wrong conditions could cost sailing teams many weeks and tens of thousands of pounds. I advise designers about the likely wind and wave conditions the boats will experience, using data from the area as well as computer models.

I am now a consultant meteorologist for UK sport, providing information for the Olympic sailing teams and on training venues for all sports'.

www.carbontrust.co.uk
www.skyeweather.com

Climate Scientist



Dr Andrew Marshall works at the Met Office in Exeter where he assesses how the accuracy of weather forecasts for the next season is affected by how well the stratosphere is represented in the computer model of the climate system used to make forecasts.

'As part of my degree, I completed a project on changes in surface ultraviolet radiation and ozone depletion over Melbourne. After a two year break travelling abroad I returned to Melbourne to start a PhD. I was based at the Australian Bureau of Meteorology and took part in field trips to the Northern Territory investigating the start of the Australian summer monsoon. I also gave weather lessons to primary schools all around Melbourne. I then worked as a post-doc at Monash University looking at the Australian monsoon during the late Quaternary (from 700,000 years ago), which was a new and fascinating area of research for me.

In addition to my climate research I have also maintained a strong interest in weather'.

www.metoffice.gov.uk

Surveyor



Debbie Baxter left college with three A-levels and applied to be a survey assistant. She then went to college to do the TSA 'Introduction to Surveying' course. She works on all areas of surveying, from simple things like levelling and traversing, to topographical and building surveys, monitoring and construction.

She says 'this job is challenging but it's also rewarding. You get to meet a variety of people and work all over the country. I'm even considering doing a degree in surveying in the future'.

www.becomeasurveyor.co.uk

Meteorology Researcher



Helen Johnson is a researcher and lecturer at Oxford University where she works on ocean circulation and its role in the climate. She works with computer models and theory and also spends large chunks of time at sea on research ships and icebreakers to collect observations of the ocean, in particular west of Greenland.

Helen says she has always been fascinated by the natural world. 'I knew I would choose a physical science degree, but I really wanted it to have an applied, practical aspect to it too. It was the Force 8 gale I experienced while sailing across the North Sea as a trainee on the tall ship Sir Winston Churchill that finally inspired me to study meteorology!'.

www.rmets.org

Chartered Hydrographic Surveyor



Surveyors spend their careers measuring, valuing, protecting, mapping and improving the world - right now, somewhere in the world, surveyors are busy on tasks like creating the latest Olympic stadium or protecting fragile reefs from destruction. They apply knowledge to things like image processing and interpretation, processing aerial and satellite images by computer and putting together detailed information for reports. There is an enormous variety of careers in surveying.

'As a Chartered Hydrographic Surveyor I'm responsible for positioning things in the right place under the sea. We receive the location co-ordinates of where the marine objects need to be positioned and then produce online navigation information for the positioning vessels. In the photograph I am in Singapore doing a pipeline inspection. We travelled the length of the pipeline videoing it and checking for damage'. – Andy Dare

www.surveying-360.com

Remember, there may be alternative routes into all of the jobs shown here – check them out!

www.geography.org.uk/resources/careers