

## **Beyond the Classroom – Wild About Your Moorlands Project Summary**

The Wild About Your Moorlands project is designed to give pupils several opportunities that cover a range of curriculum requirements. This project is designed to supplement your teaching of ecosystems in geography and science. The fieldwork activities will be planned and led by the Beyond the Classroom project officer. They can be tailored to suit your curriculum needs.

In terms of content that can be covered throughout the learning objectives are as follows:

- How do moorland ecosystems work? (including concepts like food chains; food webs; trophic levels; species interdependence; biotic and abiotic factors)
- What are the global impacts of peat bogs on climate change?
- How does climate change and human activity affect moorland ecosystems?



By conducting the fieldwork activity at a moorland location in the South West Peak e.g. the Goyt Valley the focus around fieldwork skills involves:

- Different sampling methods and their suitability
- Using quadrats and transects to survey biotic and abiotic conditions (climate, peat depth on a transect, vegetation survey, groundwater and/or river samples observing carbon content using a key)
- Methods of increasing reliability and validity of investigations
- Consideration and minimising of risks when planning and undertaking investigations

Your pupils will have the chance to take measurements associated with the Moorland Indicators of Climate Change initiative (MICCI) which will form a basis for future monitoring at the same site if you return the following year.

There is also the potential to build this project around the John Muir Award if you have pupils that are particularly keen and would be interested in giving some extra time to the project. This is something that you can discuss with the project officer. If you are interested the links below about the John Muir Award are a good place to start.

**There are seasonal restrictions to this project so the earlier you get in touch the more chance there is that a visit can be planned and secured.**

More information on the John Muir Award can be found here: [www.johnmuiraward.org](http://www.johnmuiraward.org)

Questions or updates should be sent to Jackie Wragg the Beyond the Classroom project officer at [Jackie.Wragg@peakdistrict.gov.uk](mailto:Jackie.Wragg@peakdistrict.gov.uk) Tel: 07585903679

