

Earth Trust Weather Station



The Earth Trust weather station is an important tool used by both our farm management and our education teams. The weather station can be moved around the farm, taking measurements in different locations over a long period. The data is automatically relayed to a national online system (<https://www.weatherlink.com/>) which records data at other weather stations across the country. In this way, our data can contribute to wider surveys and we can benefit from access to data at other locations, helping us to interpret our own data more meaningfully.

On the farm

On the farm, we are now able to use weather data alongside the biodiversity monitoring data and therefore interpret the latter in the light of the former. In the future we also will be using the monitoring station as we establish two forthcoming farm projects:

- the creation of a market garden as part of a wider community and skills learning project
- the introduction of integrated farming on a field, newly acquired by Earth Trust, which will be developed as part of a project supported by the Species Survival fund, a DEFRA/National Lottery Heritage Fund partnership.



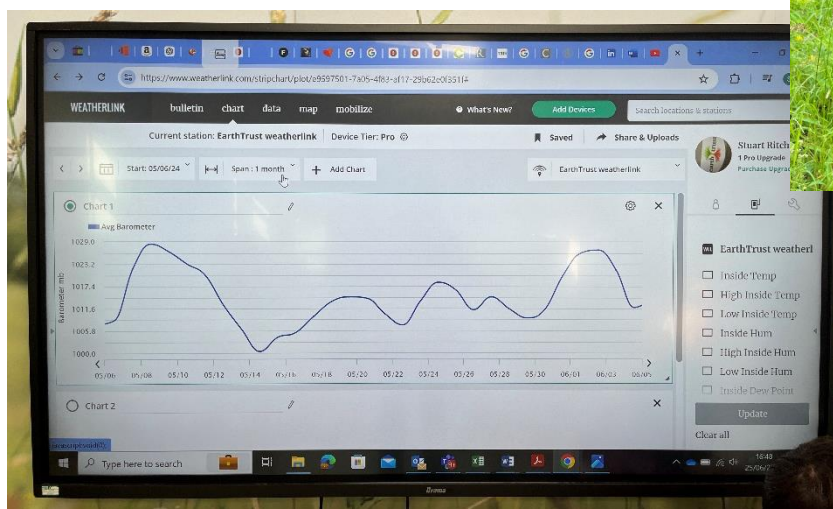
Training staff and volunteers with the weather station

With school groups

Our education team uses each of the data types from the weather station as the foundation for a range of activities for school groups using real-time, real-life data about our own site.



Temperature data

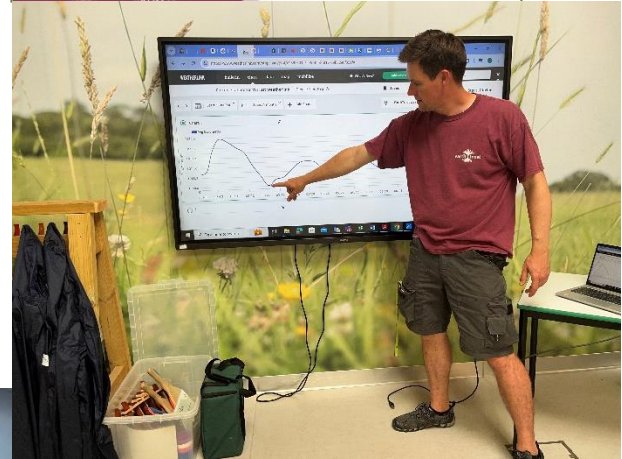


Barometric pressure data from May to June 2024



In our Climate & Culture workshop, pupils observe - make predictions - collect data - problem solve and think critically - before working as a class to formulate their conclusions and discuss climate solutions which could be implemented in their own school. It is an active an engaging day which links to the National Curricula for science and maths.

Stuart Ritchie, Earth Trust Education Manager



With thanks

Earth Trust is very grateful to the Douglas Bomford Trust and Hobson Charity Limited for their generous grants which enabled us to buy the weather station.



July 2024