

1. a) Online material for self-guided trips. Ripon

Quarry Moor, Ripon is a former Magnesian Limestone Quarry. There are several leaflets on trails through the quarry: geology, grassland flora and fauna.

<https://www.riponcity.gov.uk/quarry-moor/>

The South West section of the Ripon Sanctuary Walk covers this also

<https://www.ripon-internet.com/ripon-tours.html>

Take the opportunity to have a look at Ripon Minster/Cathedral

<https://www.riponcathedral.org.uk/what-to-see/>

b) Events and Talks: Online and in person

Yorkshire Fossil Festival is being held in Whitby 10th-11th June.

Events, activities, street theatre. Something for all ages.

<https://yorkshirefossilfestival.co.uk/>

Wednesday 14th June, 7pm Yorkshire Museum. Nina Morgan.

“A Story in Stone” From York to Oxford

Her new book “A Story in Stone” explores the fabric of the Oxford University Museum of Natural History. Geologist John Phillips came to Oxford from the Yorkshire Museum and was involved in choosing every stone carefully to illustrate the variety of rocks across the UK and Ireland.

<https://www.ypsyork.org/events/a-story-in-stone-from-york-to-oxford/>

Her Gravestone Geology website is at <https://www.gravestonegeology.uk/index.php>

Wednesday 21st June 2pm. YPS AGM and Archaeology.

Tuesday 18th July 2.30pm. YPS talk and presentation of the Phillips Prize.

Bryony Caswell, Hull University, Muddy Bottoms: connecting geological and modern extinctions.

2. Women and Men in Geology:

Henry Clifton Sorby 1826-1908.

Sorby was born near Sheffield and had a private income and his research was wide-ranging and he continually worked on a number of topics concurrently, predominantly but not exclusively geological. He developed microscopical petrology, making and studying thin sections, including iron and steel. This led to most important developments in steel production in c19.

The YPS website has an excellent article by the late David Rowe. There is also a Wikipedia article and a talk on YouTube for Warwickshire Geological Conservation Group - WGCG

<https://www.ypsyork.org/resources/yorkshire-scientists-and-innovators/henry-clifton-sorby/>

https://en.wikipedia.org/wiki/Henry_Clifton_Sorby

https://www.youtube.com/watch?v=IkNsaCDhXhw&ab_channel=WarwickshireGeologicalConservationGroup-WGCG

3. Study and Resources:

Quarry Moor geology trail (see #1a) shows the concentration of gypsum in Ripon.

A number of papers show the nature and significance of this for building in the City of Ripon which is on the boundary between Permian Magnesian Limestone and Triassic Sherwood Sandstone.

<https://www.bgs.ac.uk/geology-projects/sinkholes-research/ripon-sinkhole-november-2016/#:~:text=The%20geology%20comprises%20marls%2C%20limestone,form%20water-filled%20cave%20systems>

<https://www.on-magazine.co.uk/yorkshire/stories/the-mystery-of-the-ripon-sinkholes/>
https://www.researchgate.net/publication/234026105_Gypsum_dissolution_geohazards_at_Ripon_North_Yorkshire_UK

The last source gives the guide for a field excursion from Nottingham to examine gypsum dissolution in Ripon area.

4. **Real Trips outside:**

Yorkshire Fossil Festival is being held in Whitby 10th-11th June.

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<https://yorkshirefossilfestival.co.uk/>

YPS have trips coming up to Bolton Percy, Farnley Hall, Shibden Hall and Sledmere

<https://www.ypsyork.org/events/>

5. **Our Museums of the Month:**

Derby Museum and Art Gallery can trace itself back to the formation of the Derby Town and County Museum and Natural History Society on 10 February 1836. This in turn had its collections created by donations initially from Dr Forrester who had been a President of Derby Philosophical Society. This society was founded by Erasmus Darwin in 1783.

The museum has geology, archaeology and natural history collections (as well as a very important collection of the paintings of Joseph Wright of Derby, a contemporary of Darwin and fellow member of the Lunar Society)

6. **Books and Mags:**

The Greywacke: How a Priest, a Soldier and a School Teacher Uncovered 300 Million Years of History, Nick Davidson. Shortlisted for the 2022 Royal Society Science Prize

Adam Sedgwick, Roderick Murchison and Charles Lapworth. Their personal and intellectual rivalry, pursued on treks through Wales, Scotland, Cornwall, Devon and parts of western Russia revealed the narrative structure of the Paleozoic Era, the 300-million-year period during which life on Earth became recognisably itself.

A Review:

<https://inquisitivebiologist.com/2022/03/31/book-review-the-greywacke-how-a-priest-a-soldier-and-a-schoolteacher-uncovered-300-million-years-of-history/>