



**THANK YOU FOR HELPING THE YORKSHIRE
GEOLOGICAL SOCIETY AND LOCAL
GEOLOGY GROUPS LAUNCH THIS EXCITING
PROGRAMME**

To find out more about the Yorkshire Geological Society
look on our website at www.yorksgeolsoc.org.uk

**NATIONAL
COAL MINING
MUSEUM**

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YORKSHIRE GEOLOGY DAY

Saturday 11th May 2024

NATIONAL COAL MINING MUSEUM FOR ENGLAND, WAKEFIELD WF4 4RH

‘FANTASTIC FOSSILS AND WHERE TO SEE THEM’

Discover from experienced geologists where to go to see fossils and
what you'll find there.



MORNING SESSION (10am – 1.30pm)

GEOLOGY ROCKS

UNDERGROUND WALKS INTO THE DRIFT MINE

10.30am and 1pm - Please book **IN ADVANCE** via the NCMME Reception Desk (01924 848806) and specify “**Geology Tour**” when booking. Numbers are restricted to 12. This walk includes a long and steep walk **down** the drift accompanied by a geologist so will be longer than the usual museum underground tours.

SURFACE WALKS 10.30, 12noon and 2pm. Accompanied walk (about 1 hour) from the Museum (Cafeteria doors) to the Hope Pit rock exposure to see a seat earth, coal seam and marine band. It includes an opportunity to enter the Hope Pit tunnel. Maximum group size 20.

Conference Centre (Yellow Star 8 on map):

YGS Hub: find out what's on and where. General enquiries and Identification desk - bring your rock, mineral and fossil specimens to be identified by experts. Yorkshire Geological Society shop for books and field guides.

Local Groups and Societies

Practical demonstrations and hands-on activities aimed at the younger audience. Geological exhibits and poster displays - rocks, fossils, minerals, company exhibits and sales of geological leaflets and guide books. Learning fun for the younger visitor.

Outside (Yellow Star): Rock cutting and polishing – bring a sample and see what secrets it may reveal. Demonstrations.

Blacksmiths' Shed (Yellow Star 19): Make Your Own Fossils workshop

Pony Discovery Centre (Yellow Star 28): Rock and Coal Show

Marquees – ‘Love Science’ geology demonstrations and activities

AFTERNOON SESSION: Learning Space (Yellow Star 4)

Part 1 – “Digging Deeper”

13.15 – 13.45

The geology of Caphouse Colliery with a display of plant fossils and coal balls presented by Dr. John Knight (YGS President) and a demonstration by Trevor Chalkley (NCMME) of a model showing coal mine development in relation to coal seams and structure.

Part 2 - ‘Fantastic Fossils and Where to See Them’

Short talks on places to go to see interesting fossils

14.00 – 14.10 Introduction and Yorkshire Geological Society Business.

John Knight, President of YGS.

14.10 – 14.30 Marvellous Museum – Oliver Weeks

14.30 – 14.50 Superb Sponges – Paul Hildreth

14.50 – 15.10 Top Trunks – Jed Atkinson

15.10 – 15.40 Refreshment Break

15.40 – 16.10 Fabulous Footprints - Mike Romano

16.10 – 16.40 Gorgeous Goniatites – Nick Riley

16.40 – 16.50 Vote of thanks and close

JOIN the Yorkshire Geological Society by contacting the Membership Secretary on membership@yorksgeolsoc.org.uk



THE HUB
Welcome to the Site and the Story of Coal Mining

- | | |
|---------------------------|---------------------|
| 1 Welcome Area | 5 Café |
| 2 Mining Lives Exhibition | 6 Community Space |
| 3 Soft Play Area | 7 Library |
| 4 Learning Space | 8 Conference Suites |
| Toilets | Car Parking |

CAPHOUSE
Experience the Life of a Working Colliery

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|--------------------------------------|--|
| 9 Weighbridge | 14 Lancashire Boilers (Limited Access) |
| 10 Underground Tour | 15 Pithead Baths |
| 11 Screens Building (Limited Access) | 16 Control Room |
| 12 Steam Winding House | 17 Technology Gallery |
| 13 Victorian Gallery | 18 Kellingley Memorial |



UP HOUSE TO HOPE PIT 15 MINS

UP HOUSE TO HOPE PIT 10 MINS

Mind the Slope

HOPE PIT Discover
the Mechanics of Mining

- | | |
|----------------------------|----------------------------|
| 19 Blacksmith's Workshop | 23 Electric Winding House |
| 20 Tunnel (Limited Access) | 24 Inman Pumping House |
| 21 Compressor House | 25 Miners' Memorial Garden |
| 22 Fan House | 26 Power House |

PIT WOOD Explore
the Changing Landscape of Mining

- | | |
|---------------------------|-------------------------|
| 27 Water Treatment Lagoon | 30 Adventure Playground |
| 28 Pony Discovery Centre | 31 Drift Mouth |
| 29 Bird Hides | Picnic Area |
| Nature Trail | Train Station |



HOPE PIT

POWER FROM VENTILATION

WINDING UP AND DOWN

PIT WOOD

REED BEDS CLEAN THE WATER

STEAM ENGINE WATER EXTRACTION

IRON AND POWERHOUSE

POWER FROM

VENTILATION

WINDING UP AND DOWN