

NORTH PENNINES GEOPARK

24th May – 8th June

Contact person: Elizabeth Pickett, Chris Woodley-Stewart

Focal point	Activities / events
<p>1. Geo & Geo</p>	<p>Sat 24 May 9.30am – 4pm The Stratigraphy of the North Pennines: A New Look at an Old Friend Killhope Lead Mining Museum/Friends of Killhope Take a more in-depth look at one aspect of the geology of the North Pennines with this series of talks. Find out about the latest research and discuss it with expert geologists. Ideal for those with some knowledge of the area's geology. Venue St John's Chapel Town Hall [NY 885 379] Cost £7.50 in advance, £8.50 on the day – advance booking preferred but not essential. Age Adults (16 years +) !Important information Lunch and refreshments included in cost.</p> <p>Sun 25 May 10.30am – 4.30pm Geology of Smalleugh Flats North Pennines Heritage Trust A guided introduction to the mineralisation and structure of the Smalleugh Flats. Venue Nenthead Mines Heritage Centre [NY 781 436] Distance/duration/grade 1.5 miles (2.5km)/6hrs/Hard Cost £8 – includes one year's membership of NPHT (current NPHT members free) Pay in advance Age 18 years + !Important information Includes crawling and scrambling through small tunnels and walking through water up to 70cm deep. Bring wellingtons or boots, warm clothing, waterproofs and a small pack for lunch. Lamps and helmets provided</p> <p>Sun 25 May 11am – 4pm Burtreeford and Back: Upper Weardale's Geology Durham County Council Ascend from St. John's Chapel to Race Head in this introduction to the geology of Upper Weardale. Find out how the area's rocks and minerals have been exploited through mining and quarrying, and visit the famous Burtreeford Disturbance. Start St John's Chapel Town Hall [NY 885 379] Distance/duration/grade 6.5 miles (10.5km)/5hrs/Moderate Cost £2.50 per walker (no concessions), family ticket for £7.50 (2 adults and up to 3 children under 12). Pay on the day Age 11 years +</p> <p>Mon 26 May 10.30am – 4.30pm South Tyne Tour Brian Young – Local Geologist The upper reaches of the South Tyne valley contain some fine, and often overlooked, landscape gems. Geologist Brian Young will show us how to read today's rocks and landscapes to reveal what this part of the world was like over 300 million years ago. Start Garrigill village green, outside pub [NY 745 416] Distance/duration/grade 9 miles (14km)/6hrs/Moderate Cost FREE Age 11 years +</p>

Tues 27 May 9am – 5pm

Across to the Nick

North Pennines AONB Partnership

Discover geology, landscape and wildlife between Cow Green Reservoir and Dufton, via the spectacular High Cup Nick. Enjoy this fantastic, linear, high-level expedition. Includes minibus transport from Dufton to start of walk at Cow Green.

Meet Dufton village car park [NY 690 250]

Distance/duration/grade 11 miles (17km)/8hrs (inc. travel)/Hard

Cost £6 (inc. travel). Pay in advance

!Important information Once started the full walk must be completed – there is no short cut! Full hill walking kit required

Wed 28 May 11am – 3pm

Element-ary My Dear Watson! A Workshop in Mining Ecology and Geochemical Surveying Techniques

Dr Iain Boulton - Environmental Scientist

Join Dr Iain Boulton for a day on the River Nent to discover the continuing impact of past mining activities on the North Pennines. Learn a range of practical techniques to measure and monitor the geological, chemical and ecological effects of mining on the environment and people.

Start Nenthead Mines Heritage Centre Car Park [NY 781 436]

Distance/duration/grade 2 miles (3km)/4hrs/Moderate

Cost FREE

Age 11 years +

Thur 29 May 10am – 4pm

Exploring Cold Fell and New Water in Geltsdale

East Cumbria Countryside Project

A wonderful linear walk in the quiet Geltsdale hills, climbing Cold Fell and visiting New Water. A great opportunity to explore the landscape and heritage of this remote corner of the North Pennines. Includes minibus transport from Hallbankgate to start of walk at Newbiggin.

Start Hallbankgate, outside Belted Will pub [NY 755 086]. Please park considerately (small car park and roadside)

Distance/duration/grade 9 miles (14km)/6hrs/Hard

Cost £6 (inc. travel). Pay in advance

!Important information Full hill walking kit required. Rough moorland walking in places. Once started the full walk must be completed - there is no short cut!

Thur 29 May 11am – 4pm

Getting to Know Rocks and Minerals

Killhope Lead Mining Museum/Brian Young – Local Geologist

Enjoy a hands-on day in and around Killhope. Geologist Brian Young will show us how to spot the area's rocks and minerals and how this can add so much more to enjoying the countryside. After an introductory session inside we'll spend the rest of the day outdoors looking at the local rocks and minerals.

Venue Killhope, the North of England Lead Mining Museum [NY 826 430]

Distance/duration/grade 0.5 mile (1km)/5hrs/Easy

Cost Normal Killhope charges apply

Age Adults and older children

!Important information Bring packed lunch or visit the Killhope café

Thur 29 May 7.30pm – 9pm

Lead Pipes, Brass Knobs and Toothpaste

Brian Young – Local Geologist

Have you ever wondered where some of our everyday objects come from? Surprisingly, many begin life in the rocks and minerals that make up the North Pennines. Come along and hear Brian Young outline why you might like to think of the North Pennine dales when you run a bath, open the fridge, read a magazine or even brush your teeth!

Venue: Dales Centre, Stanhope [NY 996 393]

Cost: FREE

Age: 11 years +

!Important information: No need to book – just turn up!

Mon 2 June 10am – 4pm

A Bit of Brough

North Pennines AONB Partnership

Join us for a circular walk from Brough to explore the beautiful landscape and geological foundations of this southern corner of the North Pennines. Find out how tropical seas, ice sheets, water and people have shaped the landscape.

Start centre of Brough, by market cross [NY 794 146]

Distance/duration/grade 6 miles (10km)/6hrs/Moderate

Cost FREE

Age 11 years +

Mon 2 June 2pm – 5pm

The Lead and Silver Mining Heritage of Blanchland

Clive Crossley – Local Historian and Conservationist

An exploration of the ancient lead mining heritage of Blanchland and how it has influenced the character of the village and surrounding settlements.

Start Blanchland village car park [NY 964 504]

Distance/duration/grade 3 miles (5km)/3hrs/Moderate

Cost FREE

Age 8 years +

Tues 3 June 10.30am – 4.30pm

Hushes and Gutters – Exploring Hudeshope

Killhope Lead Mining Museum/Brian Young – Local Geologist

Ian Forbes of Killhope Museum and local geologist Brian Young invite you to join them on an exploration of the rich variety of rocks, landscape and mining remains in one of the most important former centres of North Pennine lead mining.

Start Tourist Information Centre, Middleton-in-Teesdale [NY 947 255]

Distance/duration/grade 6 miles (10km)/6hrs/Moderate

Cost FREE

Age 11 years +

Wed 4 June 10am – 5pm

On Top of the World – the Rocks and Landscape of Cronkley Fell

Brian Young – Local Geologist

Explore some of the least visited, but most interesting, parts of the Whin Sill and its associated rocks on Cronkley Fell. With geologist Brian Young see some of the classic features of the area as well as some fascinating new discoveries. Weather permitting, we'll see great views, great rocks and some wonderful plants.

Start Hanging Shaw car park, Forest-in-Teesdale [NY 867 298]

Distance/duration/grade 7.5 miles (12km)/7hrs/Moderate-Hard

Cost FREE

Age 11 years +

!Important information Full hill walking kit required

Thur 5 June 9.30am – 5pm

Three Waterfalls Walk

North Pennines AONB Partnership

A linear walk along the Pennine Way, past the spectacular waterfalls of Cauldron Snout, High Force and Low Force. Find out how the Whin Sill formed and discover the area's unique habitats and mining heritage. Includes minibus transport from Bowlees to start of walk at Cow Green.

Start: Bowlees Visitor Centre [NY 907 282]

Distance/duration/grade: 9 miles (14km)/7.5hrs (inc. travel)/Hard

Cost: £4 (inc. travel). Pay in advance

!Important information: Full hill walking kit required. There is a steep, scrambly descent at Cauldron Snout

Thur 5 June 2pm – 6pm

The Mines and Miners of Allenheads

Clive Crossley – Local Historian and Conservationist

A walk around and above Allenheads, exploring the mining, processing and smelting of lead ore and the harsh conditions of life for the mining families.

Start Allenheads Heritage Centre [NY 859 453]. Please park in village car park across road from pub

Distance/duration/grade 4 miles (6.5km)/4hrs/Moderate

Cost FREE

Age 8 years +

Thur 5 – Sat 7 June

Magnificent Minerals

YHA Dufton

Spend a couple of days discovering the area's fantastic minerals, mines and archaeology. There will be slide shows on Thursday and Friday evenings and a trip down Kirkby Thore gypsum mine on Friday.

On Saturday, head for the fells to discover minerals and explore Silver Band Mine. Pick from a menu of events or stay the whole weekend!

Venue: YHA Dufton [NY 688 251]

Cost: For further details on events, costs and accommodation contact Dufton Youth Hostel

Age: Adults (16 years +)

'Advance booking only - Contact YHA Dufton to book on 0870 7705800 (dufton@yha.org.uk)',

'Wear suitable clothing', 'Strong footwear', 'No dogs'

!Important information: Meals not included but are available at hostel. Bring waterproofs, walking boots and head torch. Reasonable level of fitness required

Fri 6 June 10.30am – 4.30pm

Explore the Nent Valley

Brian Young – Local Geologist

Local geologist Brian Young will take us on a linear walk along the Nent Valley looking at rocks and minerals, exploring the shape of the hills and looking at the remains of the mineral riches that made the area world famous. Includes minibus transport from Nenthead to start of walk at Alston.

Start Nenthead village car park [NY 781 208]

Distance/duration/grade 5 miles (8km)/6hrs (inc. travel)/Moderate

Cost £4 (inc. transport). Pay in advance

Age 11 years +

Fri 6 June 10.30am – 4pm

A Lead Mining Legacy

Durham County Council

Explore the remains of the lead mines and smelt mills of the upper Derwent Valley and find out about the area's geology as you go.

Start Blanchland village car park [NY 964 504]

Distance/duration/grade 7 miles (11km)/5.5hrs/Moderate

Cost £2.50 per walker (no concessions), family ticket for £7.50 (2 adults and up to 3 children under 12). Pay on the day

Sun 8 June 10am – 1pm

Plants and Rock on Widdybank Fell

Dr Margaret Bradshaw – Local Botanist

A walk along Widdybank Fell in the company of an expert botanist to explore the relationship between flora and the underlying geology.

Start: Cow Green Reservoir car park [NY 811 309]

Distance/duration/grade: 2.5 miles (4km)/3hrs/Easy

Cost: FREE

Age: Adults (16 years +)

	<p>!Important information: Full hill walking kit. Knee-pads, notebook and hand lens would be useful if you have them</p>
<p>2. Geo & Relish</p>	
<p>3. Geo & Arts</p>	<p>Sat 17 May – Tues 30 Sept 10.30am – 5pm Molecules, Minerals, Matter Killhope Lead Mining Museum/Jane Foale – Artist in Residence Inspired by the outstanding mineral galleries at Cliffe Castle Museum, Keighley, West Yorkshire, Jane Foale’s strikingly original works are displayed alongside Killhope’s own unique collections of minerals and spar boxes. This exhibition is part of a year-long Artist’s Residency at the Museum. Venue Killhope, the North of England Lead Mining Museum [NY 826 430] Cost Normal Killhope charges apply Important info No need to book – just turn up!</p> <p>Sat 24 May 9.30am – 6pm Underground Exposure Mike Hyrbik – Local Mine Explorer and Photographer/North Pennines Heritage Trust Under the expert guidance of Mike Hyrbik, a local mine explorer and photographer, discover how to interpret mine workings and geology through photography underground. Venue Nenthead Mines Heritage Centre [NY 781 436] Distance/duration/grade 5 miles (8km)/8.5hrs/Hard Cost £25 – includes insurance and one year's membership of NPHT. Pay in advance Age 18 years + !Important information Bring a compact digital camera and tripod. Includes some crawling through small tunnels, and walking through water. Bring wellingtons, warm clothing, overalls or old waterproofs and a rucksack. Lamps and helmets provided</p> <p>Sun 25 May 10am – 4pm Rocks and Landscape in Fabrics and Fibres Lapwing Crafts/North Pennines AONB Partnership Using the North Pennines landscape and its rocks, fossils and minerals as inspiration, join local textile artists Caroline Mann and Cheryl Jackson for a creative day interpreting the landscape with felt, silk paper and the traditional craft of hooky & proggy. Venue Langdon Beck Youth Hostel? Please car share if possible and park considerately. Cost £15 (pay in advance) plus £7 for materials (pay on the day) Age 5 years+ (children must be accompanied by adult) !Important information No previous experience necessary. We will be using an iron and detergent. Please bring an old towel (for felt-making), and if you have any fabrics you’d like to use for silk paper-making please bring these along, with needles, thread and sharp scissors if you have them. Tea and coffee provided. Please bring £7 per person for materials.</p> <p>Fri 30 May 10am – 4pm The Railway at the Top of the World – the Rookhope-Middlehope Railway Dr Iain Boulton - Environmental Scientist Dr Iain Boulton will help us explore the route of the highest standard gauge railway line ever built in England. Surrounded by some of the best views in the North Pennines we'll discover the history of this famous mining area. There's treasure in the ground – but there's also treasure on top! Start Rookhope Village Hall car park [NY 938 429] Distance/duration/grade 4 miles (6km)/6hrs/Moderate Cost FREE Age 11 years +</p> <p>Sat 31 May 10.30am – 4.30pm Geology of Carrs Mine – beyond the Show Mine! North Pennines Heritage Trust A guided trip to the rarely visited levels of Carrs Mine to look at some well preserved remains of large mineral workings. Includes a 30 minute talk at the start. Venue Nenthead Mines Heritage Centre [NY 781 436] Distance/duration/grade 1 mile (1.5km)/6hrs/Moderate</p>

	<p>Cost £8 – includes one year's membership of NPHT (current NPHT members free) Pay in advance Age 18 years + !Important information Includes crawling and scrambling through small tunnels, walking through water up to 30cm deep and climbing some ladders. Bring wellingtons or boots, warm clothing, waterproofs and a small pack for lunch. Lamps and helmets provided</p> <p>Sat 31 May 2pm – 4.30pm A Walk in the Woods at Allen Banks North Pennines AONB Partnership Discover the National Trust's spectacular valley in the heart of Tynedale. Amongst beautiful woodlands we'll see evidence of ancient deltas, tropical seas and vast ice sheets. Start National Trust car park at Allen Banks [NY 796 640] (pay and display) Distance/duration/grade 2 miles (3km)/2.5hrs/Easy Cost FREE Age 8 years + Important information No need to book – just turn up!</p> <p>Sun 1 June 1pm – 4pm Nenthead - Past Lives and Landscapes Roger Morris - Local Historian In this guided walk and visit to an exhibition, Roger Morris will introduce us to Isaac Holden's family, who made their mark on the North Pennines and beyond. The survival of many historic features around Nenthead helps bring the past to life. Enjoy a leisurely stroll back to the 1800s with time for a cup of tea at the end of the walk. Start Nenthead Mines Heritage Centre [NY 781 436] Distance/duration/grade 4 miles (6.5km)/3hrs/Moderate Cost FREE Age 11 years + !Important Info No need to book - just turn up!</p>
4. Geo & Culture/Music/Literature	
5. Geo & Action/Sports	<p>Sun 1 June 10am – 3.30pm Touching the Rock East Cumbria Countryside Project Have a go at rock climbing and abseiling with a fully qualified instructor. Suitable for beginners and all climbing and safety equipment provided. A great way to look at rocks from a different view point! Meet: Appleby Broad Street car park [NY 685 204]. Car share to crag Duration: 5.5hrs Cost: £6 (inc. equipment). Pay in advance Age: 9 years +. Under 18s must be accompanied by an adult !Important information: Half mile walk to crag. Bring outdoor clothing and waterproofs – loose fitting is best.</p>
6. Geo & Kids	<p>Mon 26 May 2pm – 4pm It Rocks! Twisted Digits UK/North Pennines AONB Partnership Enjoy an original puppet and animation show and short walk based on the area's rocks and landscape, followed by a puppet-making workshop. Fun for all the family! Venue Bowlees Visitor Centre [NY 907 282] Distance/duration/grade 0.5 mile (1km)/2hrs/Easy Cost £5 per family (up to 5 people). £1 per extra person. Pay in advance !Important information Dress to get messy!</p> <p>Wed 28 May 1.30pm – 3.30pm Rock and Fossil Fun at Talkin Tarn East Cumbria Countryside Project/Talkin Tarn Country Park Fun craft-based activities for 5 to 12 year olds. Make fossil casts and build your own erupting volcano. Dress for mess! Venue Talkin Tarn Country Park (Education Cabin), nr Brampton [NY 544 592] (pay and display car</p>

park)
Cost FREE
Age Children must be accompanied by an adult throughout event
!Important information No need to book - just turn up! Refreshments available in tea room. Dress to get messy!

Fri 30 May 11am – 12 noon and 2pm – 3pm

Rock Safari

North Pennines Heritage Trust

Hands-on geology! Search a dry riverbed for rocks and minerals left behind by Victorian miners. Staff will be on hand to help with identification in this excellent introduction to geology for all the family.

Venue Nenthead Mines Heritage Centre [NY 781 436]

Cost Normal Nenthead Mines charges apply, children free

Age 5 years +

!Important information No need to book - just turn up!

Sun 1 June 1pm – 4.30pm

Make Your Own Fossil

Killhope, the North of England Lead Mining Museum

Come along to Killhope and have fun making your own fossil. All materials provided.

Venue: Killhope, the North of England Lead Mining Museum [NY 826 430]

Cost £1.50 per child plus normal Killhope charges – pay on the day

Age 5 – 10 years

!Important information No need to book – just turn up.

Sun 1 June 2pm – 4pm

Fossil Foray

Harehope Quarry Project

Come and discover the rocks and fossils of Harehope Quarry. Make Plaster of Paris fossils (materials provided) and dig for fossils in our ‘Georium’!

Venue: Harehope Quarry, nr Frosterley [NZ 038 365]

Cost: £2 per child. Pay on the day

Age: Under 8s must be accompanied by an adult

!Important information: Dress to get messy! Refreshments available. No need to book - just turn up!

Sat 7 – Sun 8 June

12noon – 5pm (Sat), 7.30 (Sat), 10.30am – 4pm (Sun)

7.30pm (Sun)

Killhope Rocks – Family Geology Weekend

Friends of Killhope/Killhope Lead Mining Museum/The Russell Society/British Geological Survey/Durham University/Brian Young – Local Geologist

During the day on Saturday and Sunday, see some fabulous minerals from the North Pennines and learn about the minerals, geology and mining history of the area. Bring along rocks and minerals for our experts to identify in our ‘Rocky Road Show’. On Saturday evening, enjoy a free illustrated talk in St John’s Chapel on “Minerals of Northern England” by Dr Bob Symes. Finish the weekend off with a Ceilidh on Sunday night – all welcome! Families – don’t miss ‘Journeys All Over the World’ (see below).

Venue Killhope, the North of England Lead Mining Museum [NY 826 430]. Saturday evening talk at Barrington Hall, St John’s Chapel (behind the Civic Hall), [NY 885 379])

Cost FREE

!Important information No need to book – just turn up! Refreshments provided

Sat 7 June 10am – 4pm

Journeys All Over the World

Weardale Community Partnership/Friends of Killhope/Twisted Digits UK

Come and explore amazing journeys and stories from Weardale’s mining past and join us for a day full

	<p>of fun-packed family activities. Take part in a story trail, puppet making and Victorian dressing up with photos. Enjoy live music, an exhibition and short films made by local artists and children.</p> <p>Venue: Killhope, the North of England Lead Mining Museum [NY 826 430]</p> <p>Distance/duration/grade: 0.5 mile (1km)/1hr/Easy</p> <p>Cost Normal Killhope charges apply</p> <p>Age 3 – 10 years (under 5s must be accompanied by an adult)</p> <p>!Important information No need to book. Events will be running all day so just turn up and join in at any time! Dress to get messy!</p> <p>Sun 8 June 1pm – 4.30pm</p> <p>All that glitters is not gold – Kids Spar Box workshop</p> <p>Killhope Lead Mining Museum</p> <p>Draw your inspiration from the fabulous Victorian spar boxes on display at Killhope and then have a go yourself!</p> <p>Venue: Killhope, the North of England Lead Mining Museum [NY 826 430]</p> <p>Cost £5 per child plus normal Killhope charges – pay on the day</p> <p>Age 5 – 12 years</p> <p>!Important information No need to book – just turn up.</p>
7. Geo & EGN	