

Northern Rocks 2007, running between 19 May and 3 June, is the fourth annual festival of North Pennine geology and landscape. The two weeks are packed full of over 40 events and activities to help you discover the geological secrets of the North Pennines.

Join a guided walk and see the North Pennines through fresh eyes; sign up for a geological holiday; 'touch the rock' with a qualified climbing instructor; explore old lead mines with expert guides; attend talks and exhibitions and try your hand at dry stone walling!

We can provide the information contained in this publication in large print, different formats and other languages on request. Please call 01388 528801 for details.

After you have finished with this brochure please give it to someone else to read, or recycle it.

The North Pennines AONB Partnership...

...is an alliance of 24 public, statutory and voluntary sector organisations. The AONB Partnership, through its Staff Unit, takes action to look after the natural beauty of the North Pennines and seeks to co-ordinate the efforts of others. It also raises awareness of the AONB's special qualities. The Staff Unit administers the UNESCO European and Global Geopark status for the AONB.

The Northern Rocks Festival 2007 is an initiative of the

NORTH PENNINES AONB PARTNERSHIP

Working together for the North Pennines

and is being primarily supported by



North Pennines AONB Partnership, Weardale Business Centre,
The Old Co-op Building, 1 Martin Street, Stanhope,
County Durham DL13 2UY tel: +44 (0)1388 528801

www.northpennines.org.uk email: info@northpenninesaonb.org.uk

This publication is printed on Greencoat Plus Velvet paper: 80% recycled post consumer, FSC certification; NAPM recycled certification; 10%TCF virgin fibre; 10% ECF fibre.



Northern Rocks

The North Pennines Festival of Geology and Landscape

19 May - 3 June 2007

In celebration of
European Geoparks Week

Themed walks, talks,
mine tours, exhibitions,
holidays, children's
activities - something
for everyone!



NORTH PENNINES



Area of Outstanding Natural Beauty



Northern Rocks 2007

Welcome to the fourth annual festival in celebration of the internationally recognised geology and landscape of the North Pennines Area of Outstanding Natural Beauty (AONB) and UNESCO European & Global Geopark.

How to book

Pre-booking is essential for many events. Look out for the **B** symbol. Telephone the AONB Partnership Staff Unit for more information and to make bookings (unless otherwise stated):


- AONB Partnership Staff Unit – Tel: 01388 528801 (Mon to Fri during normal office hours, answerphone at other times)
- Events with a charge are either 'pay on the day' or 'pay in advance'. When you book through the AONB Staff Unit we will advise you on payment details. Unless otherwise stated events are booked and paid for through the AONB Staff Unit.
- Once you've booked, please refer to the brochure for event start times and locations. We will not be sending out confirmation letters
- If you haven't booked for an 'Advance booking only' event please don't turn up on the day

Public transport


Some of the events in Northern Rocks are accessible by public transport. Call Traveline on 0870 608 2 608 or visit www.traveline.org.uk

Guided walks

The walks in the programme have been graded:

- 
- **Easy** – suitable for most people. Easy, comfortable walking, may be some stiles
 - **Moderate** – typically a country walk with some hills, stiles and muddy paths. Boots advisable
 - **Hard** – hill walks with steep, strenuous climbs. Rough moorland. Boots essential

Events for families/age guide

Events and activities specifically designed for children are marked with the  symbol. You will find further information on ages that specific events are aimed at (in relation to content) in the 'Age' section. The symbol **16+** is used on events that are considered too strenuous for under 16s – principally longer hill walks and underground tours. If in doubt please ring the AONB Partnership Staff Unit on 01388 528801 for further advice.

A joint venture

Northern Rocks 2007 has only been possible through the close co-operation of the following organisations and individuals:

Becks Development Training, Dr Iain Boulton, Dr Margaret Bradshaw, British Geological Survey, BTCV, Durham County Council, Durham University, East Cumbria Countryside Project, Fawside, Friends of Killhope, The Geological Society of London, Harehope Quarry Project, Heritage Interpretation Services (Neil Diment), Killhope – the North of England Lead Mining Museum, Mad Science, Roger Morris, Natural England, North Pennines AONB Partnership Staff Unit, North Pennines Heritage Trust, The Russell Society, YHA Dufton, YHA Ninebanks, Yorkshire Geological Society, Brian Young

Picture credits: Geological illustrations by Elizabeth Pickett (NPAP); cartoons by Marcus Byron; photographs are ©NPAP unless otherwise credited.



Rockworks

The North Pennines AONB became Britain's first European Geopark in 2003 and was one of the founding members of the UNESCO Global Geoparks Network a year later. The Northern Rocks Festival is part of a four year, £600K programme of work, known as Rockworks, which started in 2005. The aim of Rockworks is the interpretation and conservation of the world-renowned geological heritage of the North Pennines and to use it as a tool for sustainable development.

Rockworks is funded by the Heritage Lottery Fund, Natural England, CDENT and LEADER+ and includes a wide range of projects and initiatives linked to the Geopark status:

- **Rock Detectives** – geology clubs for children aged 6 to 12
- **Wheels to the Wild Cycle Route** – discover the geology and landscape of the North Pennines in a three-day route and three day-rides. The guide is available from local shops, attractions, information centres and the AONB Partnership Staff Unit
- **Rockwalks** – themed guided walks as part of the AONB Events Programme (see page 14)
- **Displays and trails** – site based interpretation and geological trails
- **Geoguides** – recruitment and training of local site guides to interpret the geological heritage on their doorstep
- **Educational resource material** – Rock Boxes, activities and teaching materials to take learning outdoors
- **Training events** – workshops to help community groups and land managers understand their local geological heritage
- **Study programme** – indoor and field-based opportunities for local people (see below)

For more information on the Rockworks project contact the AONB Partnership Staff Unit on 01388 528801 or info@northpenninesaonb.org.uk

Study Programme – Geology and Landscape of the North Pennines

Led by local geologist Brian Young on behalf of the AONB Partnership, this 10 week series of evening talks and field visits in summer 2007 will explore the geology and landscape of the North Pennines. Call the AONB Partnership on 01388 528801 with your details and we will send you further information when it is available.

Happy 200th birthday to the Geological Society of London!

The Geological Society of London (www.geolsoc.org.uk) is the oldest national geological society in the world and celebrates its 200th birthday in 2007. Some events in Northern Rocks are part of the Bicentennial Celebrations and focus on famous local geologists and special geological features of the North Pennines – look out for a mention in the event descriptions.



The programme at a glance

Event name	Date	Type	Page
Reading the Landscape - Part 1	Fri 18 – Sun 20 May		6
Geological Journeys	Sat 19 – Sat 26 May		6
Magnificent Minerals!	Sat 19 – Sun 3 June		6
Geology of Carrs Mine – Beyond the Show Mine!	Sat 19 May		6
Around the Hollow Hills	Sat 19 May		6
In the Footsteps of the Teesdale Poet	Sun 20 May		7
Touching the Rock	Sun 20 May		7
The Whin Sill and Upper Teesdale	Sun 20 May		7
Geology of Moor House at Knock	Sun 20 May		7
Mineral Mania	Sun 20 May		7
Reading the Landscape - Part 2	Sun 20 – Tues 22 May		7
Extreme Geology!	Mon 21 – Thurs 24 May		8
Across to the Nick	Mon 21 May		8
Rookhope – Famous the World Over!	Tues 22 May		8
Deckchairs on the Titanic? & West Bank Aquifers	Tues 22 May		8
Plants and Rock on Widdybank Fell	Wed 23 May		8
Half a Billion Years in the Making	Wed 23 May		8
Scaling the Heights	Thurs 24 May		9
Alston Rocks! - A Town Stroll	Thurs 24 May		9
Wheels to the Wild	Fri 25 May		9
South Tyne Tour	Fri 25 May		9
Friends of Killhope Mineral Weekend	Sat 26 – Sun 27 May		9
Geofun!	Sat 26 – Sun 27 May		9
Discover the Derwent Lead Mines	Sat 26 May		10
Rocky Story Walk	Sat 26 May		10
Geology of Smallcleugh Flats	Sun 27 May		10
Burtreeford and Back: A Geological Exploration	Sun 27 May		10
Three Waterfalls Walk	Mon 28 May		10
Rock and Fossil Fun	Tues 29 May		10
Geology of the Upper Nent Valley	Tues 29 May		11
Living Landscapes Trail	Tues 29 May		11
Drop in to High Force!	Wed 30 May		11
Hot Water and Crystals	Wed 30 May		11
A Scar on the Landscape	Wed 30 May		11
Fossil Foray	Thurs 31 May		11
Explore Allen Banks	Thurs 31 May		12

Event name	Date	Type	Page
'Two Sides to Every Coin'	Fri 1 June		12
Dry Stone Walling Workshop	Fri 1 June		12
Dufton – Geology and Archaeology Weekend	Sat 2 – Sun 3 June		12
Underground Photography Weekend Course	Sat 2 – Sun 3 June		13
Nenthead – Past Lives And Landscapes	Sat 2 June		13
Come Spar Boxing!	Sun 3 June		13
Mines and Miners of Allenheads	Sun 3 June		13
What makes Teesdale Special?	Sun 3 June		13

Key to symbols used in the listings

Event type



Guided walk



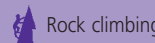
Suitable for children



Art/craft activity



Talk



Rock climbing



Underground tour



Guided bike ride



Holiday/residential



Orienteering trail



Walling workshop



Nature/wildlife



Exhibition

Other info



Advance booking only (call 01388 528801 for details, unless otherwise stated)



Sorry, no dogs



Wear suitable clothing



Adults only



Bring a packed lunch



Important information



Strong footwear essential

See the map on the inside of the back cover for event venues. Most of the guided walks are 'Advance booking only' – start times and locations are given in the brochure.

Northern Rocks 2007

May

Fri 18 - Sun 20 May Reading the Landscape - Part 1

Ninebanks Youth Hostel/British Geological Survey
Tropical seas to freezing ice – Part 1!
Join expert geologists for a weekend residential break to find out how to read and interpret the landscape of the North Pennines AONB and Geopark – a story 350 million years in the making!

Venue **YHA Ninebanks** [NY771 514]
Cost £105 per adult (£160 for full package inc. Part 2: 20 - 22nd May – see page 7). Student discount rate £80 (£150 for full package)

Age Adults and older children
Contact YHA Ninebanks to book on 01434 345288 or ninebanks@yha.org.uk
Full outdoor clothing, water-proofs, walking boots and reasonable level of fitness required



Sat 19 - Sat 26 May Geological Journeys

BTCV/Killhope Lead Mining Museum
You'll be working at Killhope Lead Mining Museum to help construct a footpath to a sculpture interpreting the surrounding landscape and its geological foundations. There'll also be the chance to get involved in other Northern Rocks events.
Venue **Killhope, the North of England Lead Mining Museum** [NY826 430] Accommodation at Langdon Beck Youth Hostel
Cost £100 (all inclusive)
Age Minimum age 18 years

Visit www.btcv.org.uk/shop or call 01302 572244 to book
Further details from Emma Wilmot on 01388 529022



Sat 19 May - Sun 3 June 10.30am - 5pm each day Magnificent Minerals!

Killhope Lead Mining Museum
Come and admire the Elizabeth & David Hacker Collection of dazzling fluorite crystals, recently acquired for permanent display at Killhope.
Venue **Killhope, the North of England Lead Mining Museum** [NY826 430]
Cost Normal Killhope charges apply

No need to book – just turn up!

Sat 19 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** [NY781 436]
Distance/grade 1 mile (1.5km)/6hrs/Moderate
Cost £12 - includes insurance and one year's membership of NPHT. Pay in advance

Includes crawling and scrambling through small tunnels, walking through water up to 30cm deep and climbing some ladders. Bring wellingtons, warm clothing, waterproofs and a small pack for lunch. Lamps and helmets provided



Sat 19 May 7.30pm - 9pm Around the Hollow Hills

Jim McTaggart, former editor of the Teesdale Mercury
Most Victorian lead miners worked in dreadful conditions and died young. Jim McTaggart, the Teesdale Poet's biographer, will give an insight into the lives of the lead miners and the 'hollow hills' that Richard Watson wrote about in his poems.
Venue **The Masonic Hall, Middleton-in-Teesdale** [NY948 254]
Cost FREE
Age 10 years +

No need to book – just turn up!

Sun 20 May 10am - 4pm In the Footsteps of the Teesdale Poet

Neil Diment – Heritage Interpretation Services
You've heard the story – now walk the talk! Following Jim McTaggart's talk the night before, we will broadly follow the route described in Richard Watson's poem 'My Journey to Work'. We will carry lunch in our miners' 'wallets' and read from his work as we go.
Meet **Bainbridge Memorial Fountain, Middleton-in-Teesdale** [NY948 254]

Distance/duration/grade: 4 miles (6.5km)/6 hrs/Moderate
Cost £6 (inc. minibus transport). Pay in advance
Age 10 years +



Sun 20 May 10am - 3pm Touching the Rock

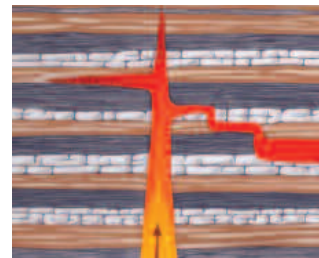
East Cumbria Countryside Project
Have a go at rock climbing with a fully qualified instructor. All climbing and safety equipment provided.
Meet **Appleby Broad Street car park** [NY682 204]. Car share to crag
Duration 5hrs
Cost £6 (inc. equipment) Pay in advance
Age 9 years +. Under 18s must be accompanied by an adult

Half mile walk to crag. Suitable for beginners



Sun 20 May 10am - 4pm The Whin Sill and Upper Teesdale

Durham University/Yorkshire Geological Society
Join geologist Trevor Morse on a journey through Upper Teesdale celebrating the Whin Sill's impact on the local landscape, as part of the Geological Society Bicentennial Celebrations.
Start **Hanging Shaw picnic site, Forest-in-Teesdale** [NY867 298]
Distance/duration/grade 4 miles (6km)/6hrs/Moderate
Cost FREE



Sun 20 May 10am - 4pm Geology of Moor House at Knock

Natural England
Geologist Eric Johnson will take us up towards Great Dun Fell, looking at Knock Ore Gill and explaining the geological features and mining history as we go. Find out what the rocks tell us about the history of the area.
Start **National Nature Reserve entrance**, by sheep pens at end of minor road past Knock Christian Centre [NY696 296]
Distance/duration/grade 7 miles (11km)/6hrs/Hard
Cost FREE

Book through Natural England on 01833 622374

Full hill walking kit required



Sun 20 May 1pm - 2pm and 3pm - 4pm Mineral Mania

Killhope Lead Mining Museum/Mad Science
Join in these family science workshops and have a go at fun activities based on rocks and minerals!
Venue **Killhope, the North of England Lead Mining Museum** [NY826 430]
Cost Normal Killhope charges apply
No need to book – just turn up! Dress to get messy!

Sun 20 - Tues 22 May Reading the Landscape - Part 2

Ninebanks Youth Hostel/British Geological Survey
Building on Part 1 (see page 6), this course explores the interaction between landscape, geology and people in and around the North Pennines. Suitable for anyone, but content is especially aimed at those who have attended Part 1 in this or previous years, or have a basic understanding of geology.

Venue **YHA Ninebanks** [NY771 514]
Cost £105 per adult (£160 for full package inc. Part 1: 18 - 20 May – see page 6). Student discount rate £80 (£150 for full package)
Age Adults and older children

Contact YHA Ninebanks to book on 01434 345288 or ninebanks@yha.org.uk

Full outdoor clothing, water-proofs, walking boots and reasonable level of fitness required



© Countryside Agency/Charlie Hedley

Mon 21 - Thurs 24 May
Extreme Geology!

Fawside/Becks Development Training
Get close to rocks! This residential course is for those with a spirit of adventure! Learn basic skills in rock climbing and abseiling, enjoy a picnic down a lead mine, experience a night under the stars, and find out more about the unique geology of the North Pennines.
Venue **Deneholme, Allendale** [NY840 562]
Cost £350 (includes all training, equipment, food and accommodation)
Age Adults (18 years +)
[B] Contact Deneholme for details and booking on 01434 683334
[B] [16+] [P] [S] [D] [N] [A] Full outdoor clothing, waterproofs, walking boots and reasonable level of fitness required. All equipment and instruction in its use will be provided



Mon 21 May 9am - 5pm
Across to the Nick

North Pennines AONB Partnership
Discover geology and landscape 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 Cow Green.
Meet **Dufton village car park** [NY690 250]
Distance/duration/grade 11 miles (7km)/8hrs (inc. travel)/Hard
Cost £6 (inc. travel). Pay in advance
[B] [16+] [P] [S] [D] [N] [A] Once started the full walk must be completed – there is no short cut! Full hill walking kit required

Tues 22 May 10.30am - 4pm
Rookhope - Famous the World Over!

Brian Young – Local Geologist/Durham University
Join geologist Brian Young on a walk around Rookhope to discover what the local rocks can tell us about long-past times. See how the rocks and minerals have been worked over the centuries and find out why Rookhope is so famous! Part of the Geological Society Bicentennial Celebrations.
Start **Rookhope Inn, Rookhope** [NY938 429]
Distance/duration/grade 6 miles (10km)/5.5hrs/Moderate
Cost FREE
Age 12 years +
[B] [16+] [P] [S] [D] [N] [A]



© M. BYRON

Tues 22 May 6pm - 7pm
Deckchairs on the Titanic? and West Bank Aquifers

Durham University/Newcastle University
Join Fred Worrall (Durham University) and Geoff Parkin (Newcastle University) for a discussion of the role of peatlands in carbon storage, and the interdependency of water, landscape and people. Part of the Geological Society Bicentennial Celebrations.
Venue **Central Square, Forth Street, Newcastle NE1 3PL**
Cost FREE
Age Adults (16 years +)
[A] No need to book – just turn up! Doors open at 5.30pm. Free light buffet provided

Wed 23 May 2pm - 5pm
Plants and Rock on Widdybank Fell

Dr Margaret Bradshaw – Local Botanist/North Pennines AONB Partnership
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** [NY811 309]
Distance/duration/grade 2.5 miles (4km)/3hrs/Easy
Cost FREE
Age Adults (16 years +)
[B] [16+] [P] [S] [D] [N] [A] Full hill walking kit. Knee-pads, notebook and hand lens would be useful if you have them



Wed 23 May 7.30pm - 9pm
Half a Billion Years in the Making

Brian Young – Local Geologist
Within a little more than one hour, take a whirlwind trip through the half a billion years it has taken to make the North Pennines. Hear about colliding continents, tropical seas and swamps, molten rock and mile-thick ice, all on our doorstep!
Venue **Dales Centre, Stanhope** [NY996 393]
Cost FREE
Age 11 years +
[A] No need to book – just turn up!

Thur 24 May 10am - 5pm
Scaling the Heights

East Cumbria Countryside Project
A high-level walk over Cross Fell, Little Dun Fell and Great Dun Fell looking at the making of the landscape on the highest part of the Pennine chain.
Start **Blencarn village green** [NY637 314]. Please park considerably
Distance/duration/grade 10 miles (17km)/7hrs/Hard
Cost FREE
[B] [16+] [P] [S] [D] [N] [A] Full hill walking kit required



Thur 24 May 1.30pm - 3.30pm
Alston Rocks! - A Town Stroll

Brian Young – Local Geologist
We often take our towns and villages for granted. See how, with a little detective work, Alston's buildings, roads and pavements can give fascinating glimpses into some remarkable stories about the Earth's history.
Start **Alston Market Cross** [NY719 465]
Distance/duration/grade 1 mile (1.5km)/2hrs/Easy
Cost FREE
Age 11 years +
[B] [16+] [P] [S] [D] [N] [A]

Fri 25 May 10am - 4pm
Wheels to the Wild

North Pennines AONB Partnership
Get in the saddle for a guided cycle ride – to launch the AONB Partnership's Wheels to the Wild geology and landscape cycle trail. We'll go at a leisurely pace, giving us time to catch our breath and see the sights along the way. Bring your own bike or if you're interested in hiring contact the AONB Partnership.
Start **Killhope, the North of England Lead Mining Museum** [NY826 430]
Distance/duration/grade 19 miles (32km)/6hrs/Hard
Cost FREE
[B] [16+] [P] [S] [D] [N] [A] Make sure your bike is roadworthy and bring a helmet. Some very steep hills and one section of rough track. Mountain bikes and hybrids only

Fri 25 May 10.30am - 5pm
South Tyne Tour

Killhope Lead Mining Museum/Brian Young – Local Geologist
Join Ian Forbes and Brian Young for an exploration of the upper South Tyne. See how rocks and minerals have shaped the landscape and people's lives, and find out about one of Garrigill's most famous sons. Keep a look out for gold and silver!
Start **Garrigill village green** [NY745 416]
Distance/duration/grade 9 miles (14km)/6.5hrs/Moderate
Cost FREE
Age 11 years +
[B] [16+] [P] [S] [D] [N] [A]



Sat 26 - Sun 27 May
12noon – 5pm (Sat)
7.30pm – 8.30pm (Sat eve talk)
10.30am – 4pm (Sun)
Friends of Killhope Mineral Weekend

Friends of Killhope/The Russell Society/British Geological Survey/Durham University/The Geological Society/Brian Young – Local Geologist
See some fabulous minerals from the North Pennines and learn about the minerals, geology and mining history of the area. Bring along your rocks and minerals for our experts to identify in our 'Rocky Road Show'. On Sat evening join Professor Martin Bott for a talk on Sir Kingsley Dunham, North Pennine mineralisation and the Weardale Granite. Families – don't miss 'Geofun!' (see below).
Venue **St John's Chapel Town Hall** [NY885 379] Sat eve talk: **St John's Chapel Barrington Hall** [NY885 379]
Cost FREE
[A] No need to book – just turn up! Refreshments provided



Sat 26 - Sun 27 May
12noon – 5pm (Sat)
10.30am – 4pm (Sun)
Geofun!

Friends of Killhope
Come along and make a mess learning about minerals! Part of the Friends of Killhope Mineral Weekend (see above).
Venue **St John's Chapel Town Hall** [NY885 379]
Cost £1. Pay on the day
[B] Only large groups need pre-book
[A] No need to book – just turn up! Dress to get messy!

Sat 26 May 10.30am – 3pm
Discover the Derwent Lead Mines

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 [NY964 504]
 Distance/duration/grade 6.5 miles (11 km)/4.5hrs/Moderate
 Cost £2.50 per walker (no concessions), under 5s free, family ticket for £7.50 (2 adults and up to 3 children under 12). Pay on the day



Sat 26 May 2pm – 4pm
Rocky Story Walk

Harehope Quarry Project
 Come along and be part of this rocky story walk in Harehope Quarry and the surrounding area, with Jeremy Warr.
Venue Harehope Quarry, nr Frosterley [NZ038 365]
 Cost £2 per child (family £4.50). Pay on the day
 Age Under 8s must be accompanied by an adult



⚠ Refreshments available. No need to book – just turn up!



Sun 27 May 10.30am – 4.30pm
Geology of Smallcleugh Flats

North Pennines Heritage Trust
 A guided introduction to the mineralisation and structure of the Smallcleugh Flats.
Venue Nenthead Mines Heritage Centre [NY781 436]
 Distance/grade 1.5 miles (2.5km)/6hrs/Hard
 Cost £12 – includes insurance and one year's membership of NPHT. Pay in advance



⚠ Includes crawling and scrambling through small tunnels and walking through water up to 70cm deep. Bring wellingtons, warm clothing, waterproofs and a small pack for lunch. Lamps and helmets provided



Sun 27 May 11am – 4pm
Burtreeford and Back: A Geological Exploration

Durham County Council
 Ascend to 300 metres with John Burgess and discover the geology around Sedling Rake Fell and Upper Weardale, including the famous Burtreeford Disturbance.
Start St John's Chapel Town Hall [NY885 379]
 Distance/duration/grade 6.5 miles (10.5km)/5hrs/Moderate
 Cost £2.50 per walker (no concessions), under 5s free, family ticket for £7.50 (2 adults and up to 3 children under 12). Pay on the day



Mon 28 May 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 Cow Green.
Start Bowlees Visitor Centre [NY907 282]
 Distance/duration/grade 9 miles (14km)/7.5hrs (inc. travel)/Hard
 Cost £4 (inc. travel). Pay in advance



⚠ Full hill walking kit required. There is a steep, scrambly descent at Cauldron Snout



© M Byron

Tues 29 May 10am – 12noon
Rock and Fossil Fun

East Cumbria Countryside Project/Talkin Tarn Country Park
 Make plaster casts of fossils and rocks. Good messy fun!
Venue Talkin Tarn Country Park (Education Hut), nr Brampton [NY544 590]
 Cost £2 per child (family £4.50). Pay on the day
 Age Children must be accompanied by an adult throughout event



⚠ No need to book - just turn up! Refreshments available. Dress to get messy!

Tues 29 May 10.30am – 4:30pm
Geology of the Upper Nent Valley

North Pennines Heritage Trust
 Guided tour exploring the geology, mineral deposits and industrial archaeology of the Upper Nent Valley.
Start Nenthead Mines Heritage Centre [NY781 436]
 Distance/duration/grade 2.5 miles (4km)/6hrs/Moderate
 Cost Normal Nenthead Mines charges apply
 Age 11 years +



⚠ Some sections of rough walking along boulder-strewn river beds



Tues 29 May 1.30am - 3.30pm
Living Landscapes Trail

Harehope Quarry Project
 Discover how people made a living from the landscape in Weardale by following the orienteering trail around Harehope Quarry.
Venue Harehope Quarry, nr Frosterley [NZ038 365]
 Cost £2 per child (family £4.50). Pay on the day
 Age Under 8s must be accompanied by an adult



⚠ Refreshments available. No need to book - just turn up!

Wed 30 May 1pm, then every 30 min, last walk 4pm
Drop in to High Force!

North Pennines AONB Partnership
 Guided walks every 30 minutes to High Force to look at how the Whin Sill formed from molten rock and gave rise to this spectacular waterfall.
Start High Force, by entry kiosk [NY885 286]
 Distance/duration/grade 0.5 mile (1km)/45 min/Easy
 Cost Normal High Force charges apply (car park and entry to falls)



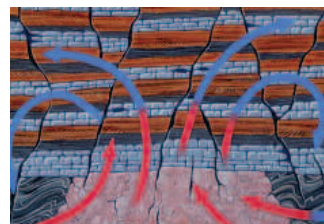
⚠ No need to book – just turn up!

Wed 30 May 2.30pm – 3.30pm
Hot Water and Crystals

Brian Young - Local Geologist/Killhope Lead Mining Museum
 Using pictures and Killhope's spectacular collections, geologist Brian Young will introduce some of the beautiful minerals of the North Pennines, including several almost unknown anywhere else on Earth. Find out how hot water produced the crystals that make this area world famous.
Venue Killhope, the North of England Lead Mining Museum [NY826 430]
 Cost Normal Killhope charges apply
 Age 11 years +



⚠ No need to book – just turn up!



Elizabeth Pickett © NERIC

Wed 30 May 6pm – 8pm
A Scar on the Landscape

North Pennines AONB Partnership
 Join us for a short circular walk between Bowlees, Low Force and Holwick Scar. Find out how the Whin Sill influences the landscape, as well as seeing some of the area's special upland hay meadows.
Start Bowlees Visitor Centre [NY907 282]
 Distance/duration/grade 2.5 miles (4km)/2hrs/Easy
 Cost FREE



⚠ No need to book – just turn up!



Thur 31 May 2pm – 4pm
Fossil Foray

Harehope Quarry Project
 Come and discover the rocks and fossils of Harehope Quarry. Make Plaster of Paris fossils and dig for fossils in our new 'Georium'!
Venue Harehope Quarry, nr Frosterley [NZ038 365]
 Cost £2 per person (family £4.50). Pay on the day
 Age Under 8s must be accompanied by an adult



⚠ Dress to get messy! Refreshments available. No need to book - just turn up!

Thur 31 May 2pm – 5pm
Explore Allen Banks

Brian Young - Local Geologist
Join geologist Brian Young to explore the long history of the National Trust's remarkable, canyon-like valley in the heart of Tynedale. See evidence of colliding continents, huge ancient rivers of sand and the effects of torrential meltwaters from the last Ice Age.
Start **Allen Banks car park** [NY797 640]
Distance/duration/grade 3 miles (5km)/3hrs/Easy
Cost FREE
Age 11 years +



© Neil Diment

Sat 2 - Sun 3 June
Dufton – Geology and Archaeology Weekend

YHA Dufton/Yorkshire Geological Society
Spend a weekend discovering the area's geology, mine heritage and archaeology. Local geologist Trevor Morse will lead walks from the Youth Hostel and there will be fun events for children. Pick from a menu of events or stay the whole weekend!
Venue **YHA Dufton** [NY688 251]
Cost Sat night accom. £16.50 (£13.50 for students; £12 for under 18s). For individual event costs and detailed programme contact Dufton Youth Hostel.
Age 7 years +

Contact YHA Dufton to book on 0870 7705800 (dufton@yha.org.uk)

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



June

Fri 1 June 10am – 3.30pm
Two Sides to Every Coin? Mines, Minerals and the Environment

Dr Iain Boulton – Environmental Scientist
Join Dr Iain Boulton for an exploration of Nenthead and its mining heritage. Take part in a practical investigation of the environmental impact of mining in the North Pennines, and the effects of the minerals and their products on people and wildlife.
Start **Nenthead Mines Heritage Centre** [NY781 436]
Distance/duration/grade 4.5 miles (7km)/5.5hrs/Moderate
Cost FREE
Age Adults (16 years +)



Fri 1 June 10am – 3.30pm
Dry Stone Walling Workshop

East Cumbria Countryside Project/Talkin Tarn Country Park
Discover more about this traditional skill which contributes so much to the North Pennines landscape. Led by an expert waller you will learn the basics of walling in this practical hands-on workshop.
Meet **Talkin Tarn Country Park (Education Hut)**, nr Brampton [NY544 590]
Duration 5.5 hrs
Cost £5. Pay in advance
Age Adults (18 years +)



Involves walking a mile. Wear outdoor clothes, gloves and strong boots. Lunch can be taken at Talkin Tarn Tearooms



Sat 2 June 1pm – 4pm
Nenthead – Past Lives and Landscapes

Roger Morris – Local Historian
Join a walk in and around Nenthead and find out about the Holden family, who made their mark on the North Pennines and beyond. Enjoy a stroll back to the 1800s with time for a cup of tea at the end of the walk.
Start **Nenthead Mines Heritage Centre** [NY781 436]
Distance/duration/grade 4 miles (6.5km)/3hrs/Moderate
Cost FREE
Age 11 years +



No need to book – just turn up!



Sun 3 June 2pm – 5pm
Mines and Miners of Allenheads

North Pennines AONB Partnership
A walk around and above Allenheads exploring the old lead mines and the lives of the mining families.
Start **Allenheads Heritage Centre** [NY859 453]
Distance/duration/grade 3 miles (5km)/3hrs/Moderate
Cost FREE
Age 8 years +



No need to book – just turn up!



Sun 3 June 7pm – 9pm
What Makes Teesdale Special?

Brian Young - Local Geologist
Geologist Brian Young, who has worked in and around Teesdale over the past 40 years, will take us on a whistle-stop tour of colliding continents, tropical seas and swamps, molten rock and mile-thick ice sheets, to unravel something of Teesdale's fascinating story.
Venue **The Witham Hall, Horsemarket, Barnard Castle** (01833 631107) [NZ053 168]
Cost £3.50 (£3 for members of the Witham Hall). Pay on the day
Age 10 years +

No need to book – just turn up!

Sun 3 June 11am – 4.30pm
Come Spar Boxing!

Killhope Lead Mining Museum
Draw your inspiration from the fabulous Victorian spar boxes on display at Killhope and then have a go yourself!
Venue **Killhope, the North of England Lead Mining Museum** [NY826 430]
Cost £5 plus normal Killhope charges. Pay on the day
Age Suitable for ages 5 to 15



No need to book – just turn up!

Sat 2 - Sun 3 June
Sat: 10.30am - 4pm
Sun: 10am - 3.30pm
Underground Photography Weekend Course

North Pennines Heritage Trust
Learn how to produce good underground digital photographs in this practical weekend course.
Course includes underground trips into mines in Nenthead.
Venue **Nenthead Mines Heritage Centre** [NY781 436]
Cost £45 – includes snack lunch both days. Accommodation in Nenthead Mines bunkhouse is available at £10 per night (Fri, Sat and Sun nights available). Local B&B can be booked if required. Evening meals at Miners Arms (cost not included).
Age Adults (18 years +)

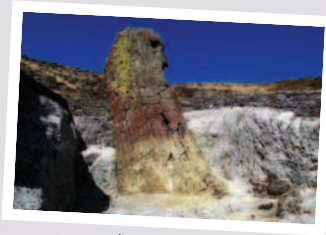
Contact Nenthead Mines on 01434 382037

Some equipment is available. Please check with organisers about what to bring



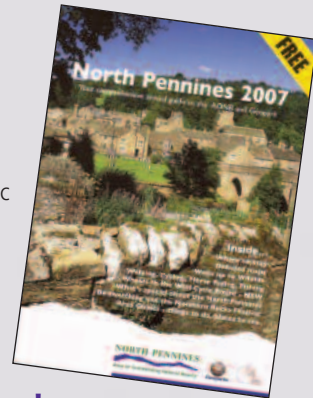
European Geoparks Week

The Northern Rocks Festival is part of European Geoparks Week, an annual summer celebration aimed at promoting the geology and landscapes of the 28 UNESCO European Geoparks. European Geoparks are regions with outstanding geological heritage and where this is being used to support sustainable development. European Geoparks are part of a wider network of 50 UNESCO Global Geoparks. For more details visit www.europeangeoparks.org and www.worldgeopark.org



North Pennines Visitor Guide 2007

This annual visitor guide is your comprehensive guide to the North Pennines AONB and UNESCO European and Global Geopark. It's packed full of useful information to make your stay in this fantastic area an enjoyable one. Find out about what's special about the area, outdoor recreation opportunities, local products and produce, browse through area guides and find out where to stay!

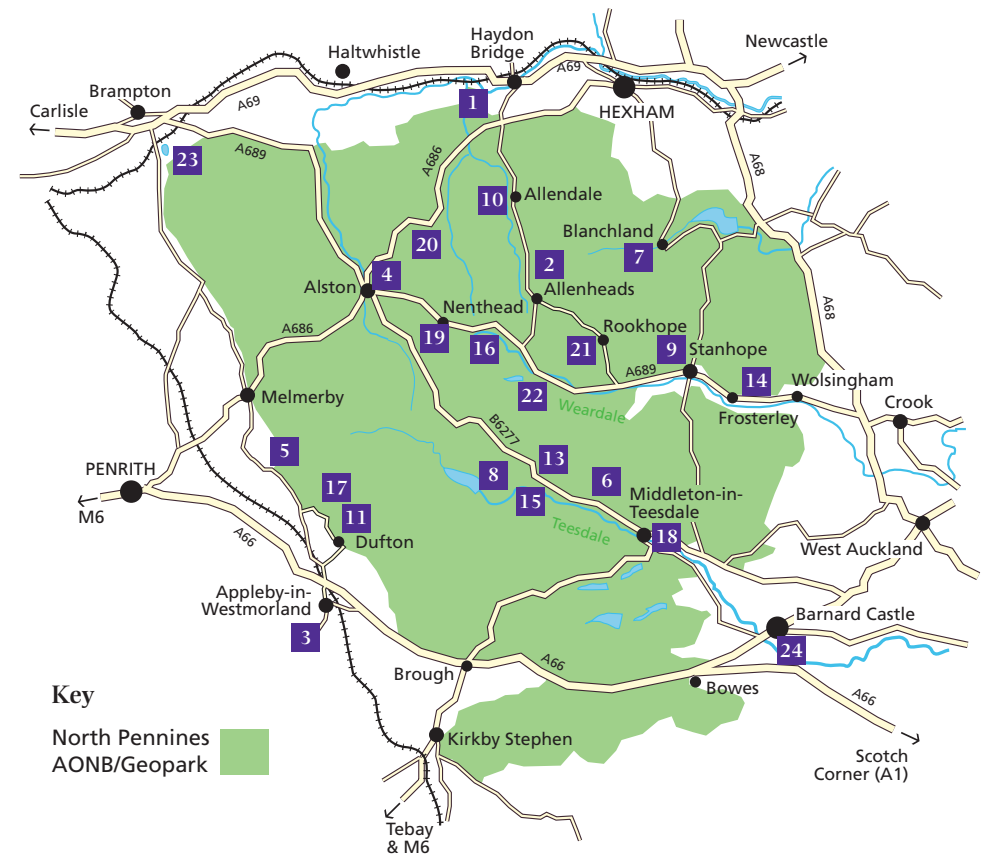


More Events and Activities!

As well as the Northern Rocks Festival we are also running an AONB Events Programme between April and October 2007. Discover the area's stunning landscape, hay meadows, geology, birds and archaeology in the company of expert guides!

Find out more

- Visit www.northpennines.org.uk
- Call 01388 528801 (info@northpenninesaonb.org.uk) to request your copies of the Visitor Guide and AONB Events Programme



© Crown Copyright. All rights reserved. Durham County Council LA100019779 2007

Event venues

- | | |
|---|---|
| 1 Allen Banks NY797 640 | 13 Hanging Shaw NY867 298 |
| 2 Allenheads NY859 453 | 14 Harehope Quarry NZ038 365 |
| 3 Appleby, Broad Street NY682 204 | 15 High Force NY885 286 |
| 4 Alston Market Cross NY719 465 | 16 Killhope Lead Mining Museum NY826 430 |
| 5 Blencarn NY637 314 | 17 Knock (NNR Entrance) NY696 296 |
| 6 Bowlees Visitor Centre NY907 282 | 18 Middleton-in-Teesdale NY948 254 |
| 7 Blanchland NY964 504 | 19 Nenthead Mines Heritage Centre NY781 436 |
| 8 Cow Green Reservoir NY811 309 | 20 Ninebanks Youth Hostel NY771 514 |
| 9 Dales Centre, Stanhope NY996 393 | 21 Rookhope NY938 429 |
| 10 Deneholme, Allendale NY840 562 | 22 St. John's Chapel Town Hall NY885 379 |
| 11 Dufton NY690 250 | 23 Talkin Tarn Country Park NY544 590 |
| 12 Garrigill NY745 416 | 24 The Witham Hall, Barnard Castle NZ053 168 |

