



Geology Break with Dr Annette McGrath

'The Geology of England'

From Monday the 24th of February until the morning of Friday the 28th of February 2020



The White Cliffs of Dover

Composed of chalk accented by streaks of black flint, the cliffs of the Alabaster Coast of Normandy are part of the same geological system.

The Green Park Hotel, Clunie Bridge Road,
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www.thegreenpark.co.uk
bookings@thegreenpark.co.uk

The Green Park Hotel 2020 Geology Break with Dr Annette McGrath

England has a great diversity of scenery packed in to a small geographical area and it is renowned for its ever-changing landscapes: from the stunning rugged peaks of the Central Lake District to the beautiful rolling hills of the South Downs National Park. But do you ever wonder why the landscape of England is so varied and looks the way it does?

This is due in part to the extremely complex underlying **geology**... with almost 700 million years of geological history packed into such a small area the rocks and fossils have a great story to tell. But that's not all, as circa 2 Million years ago the Earth's climate started to cool as we entered an **Ice Age** and glaciers and ice sheets covered most of Britain at their maximum.

The upland areas of the UK were deeply eroded, gouged and sculpted by glaciers – forming the beautiful mountainous landscapes seen today and exposing the deeply buried ancient rocks. The eroded material was transported to the surrounding lowland plains, where it was then deposited and moulded into various landforms due to glacial action.

So would you like to uncover England's diverse geological heritage and learn more about its rocks, minerals, fossils and landscapes? If yes, then come on an exciting journey that will encounter catastrophic volcanoes, long-lost oceans and rivers of ice.

You will also have a basic introduction to geology on the first day, to help 'set the scene' for the rest of the course. The course is delivered through a series of PowerPoint presentations with hands-on practical sessions. A substantial, museum-quality geological collection of rocks, minerals and fossils, from both England, the wider UK and abroad, will be available for you to view and handle on this course.

A large variety of geological maps and general interest books, guides and textbooks will also be to hand for inspection, from basic to more advanced, to suit all levels. A 'petrological' microscope that is specially adapted to look at thin sections of rocks will also be present, so that you can scrutinise the magnified inner secrets of igneous, metamorphic and sedimentary rocks down the microscope.

My 'Geology of England' course at the Green Park Hotel has also been endorsed by the Geological Society of London, the oldest and most prestigious geological society in the world, founded in 1807. Today, the Society is the UK's professional body for Earth science and has a worldwide membership of over 11,500.

Monday the 24th of February

The Geology of England

So as to make the most of your day, feel free to arrive any time from mid-morning onwards. Complimentary tea, coffee, and biscuits will be available in the main lounges - please just help yourself.

6.00pm.

The first organised activity will be a sherry reception in the **Bar Lounge** near reception. This will give you the chance to meet your hosts from the Green Park, your tutor Annette McGrath, as well as your fellow guests.

6.30pm - 8.30pm.

A four course dinner will be served in the dining-room, followed by coffee, tea, and shortbread in the lounges.

Tuesday the 25th of February

The Geology of England

8.30am - 9.45am.

A full Scottish breakfast will be served in the dining room.

From 10.00am - morning session

Introductory session with Annette - Introductions and first geology session with Annette.

Break for a buffet lunch in the Dining Room.

From 2.00pm - afternoon session

Geology session with Annette

From 6.00pm.

A pre-dinner Sherry reception in the main lounge.

From 6.30pm - 8.30pm.

A four course dinner will be served in the dining room, followed by coffee and shortbread in the main lounge.

Wednesday the 26th of February

The Geology of England

8.00am - 9.45am.

A full Scottish breakfast will be served in the dining-room.

From 10.00am - morning session

[Geology session with Annette](#)

Break for a buffet lunch in the Dining Room.

From 2.00pm - afternoon session

[Geology session with Annette](#)

From 6.00pm.

A pre-dinner sherry reception will be held in the main lounge.

From 6.30pm - 8.30pm.

A four course dinner will be served in the dining room, followed by coffee and shortbread in the main lounge.

Thursday the 27th of February

The Geology of England

8.00am - 9.45am.

A full Scottish breakfast will be served in the dining-room.

From 10.00am - morning session

[Geology session with Annette](#)

Break for a buffet lunch in the Dining Room.

From 2.00pm - afternoon session

[Geology session with Annette](#)

6.00pm for 6.30pm

An informal bucks-fizz reception will be held in the **bar lounge**. Everyone will have downed tools by now, and this is an excellent opportunity to unwind and enjoy the company of Annette and your compatriots.

From 6.30pm - 8.30pm.

A four course dinner will be served in the dining room, followed by coffee and shortbread in the main lounge

Friday the 28th of February

The Geology of England

8.00am - 9.45am.

A full Scottish breakfast will be served in the dining room.

**The McMenemie Family and everyone at the Green Park
hope that you will have enjoyed your stay with us,
and that you have a safe journey home.**

The cost of the 2020 Four Day Geology Break
is £448.00 per person (with a £25.00 reduction
per person for fellows of the Geological Society).



Roseberry Topping - or the 'Teesside Matterhorn'.

This popular feature is a sandstone outlier of the North York Moors uplands.



Your tutor - Dr Annette McGrath

Dr Annette McGrath is a structural geologist, sedimentologist, geochemist and author.

She is the Lead Associate Lecturer for the new online postgraduate diploma on 'The Geology of Northern England' (<https://www.york.ac.uk/lifelonglearning/geology/>) at the Centre for Lifelong Learning at the University of York, a prestigious Russell Group University.

Annette has previously worked as an Associate Lecturer at the University of Derby, a Postdoctoral Research Associate for the Integrated Ocean Drilling Program (IODP, now the International Ocean Discovery Program) and a Teaching Fellow at the University of Leicester.

She has also worked as a geological consultant and has co-produced several geological walks guides as well as the 'Exploring the Landscape of...' series for the British Geological Survey.

Annette also runs weekend residential geology classes and field trips at Higham Hall Adult Education College, Bassenthwaite, Cumbria (<http://www.highamhall.com/>).

She currently holds an Honorary Research Fellow position at the University of Leicester.

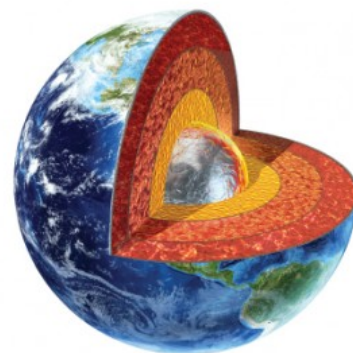
Annette's 'The Geology of England' course at the Green Park has been endorsed by the Geological Society of London, the oldest and most prestigious geological society in the world, founded in 1807. Today, the Society is the UK's professional body for Earth science and has a worldwide membership of over 11,500.

Please mention if you are a fellow of the society when making a booking, as this entitles you to a saving of £25.00 per person.



2020 Geology Break at the Green Park Hotel Pitlochry

Monday 24th of February until the morning of Friday 28th of February



NAME -----

ADDRESS -----

POSTCODE ----- TELEPHONE NUMBER -----

TYPE OF ROOM REQUIRED

TWIN ----- DOUBLE ----- SINGLE -----

DATE OF ARRIVAL ___ / ___ / ___ DATE OF DEPARTURE ___ / ___ / ___

Please reserve the above accommodation in my name.

Signed ----- date -----.

If you wish to travel to Pitlochry by coach or rail, we will arrange for complimentary transport between Pitlochry Station and the Green Park, on both your arrival and departure days.

The cost of the 2020 Four Day Geology Break is £448.00 per person (with a £25.00 reduction per person for fellows of the Geological Society)

This amount includes the entire Geology Break package, and there is no supplementary charge for single room accommodation. Any extra nights before or after the Geology Break dates would be charged at our low season rate of £101.00 per person per night, for dinner bed and breakfast.



