

What's included in the cost?

- The services of Chris Damon as tutor who will be available to you at all reasonable times
- Accommodation and meals as specified in the brochure
- Packed lunches for each field day, including the last day (i.e.. four days)
- Steam train ride on the Severn Valley Railway

What's excluded from the cost?

- The cost of travel between your home and Great Malvern
- Travel insurance
- Incidental expenses.

Insurance

Everyone booking a place and paying a deposit is advised to take out holiday insurance. This can cover you against loss of money in the event of cancellation etc. Cover is often included in with many credit cards.

Booking

Your booking will be confirmed upon receipt of either a deposit of £200.00 per person or the full payment and a completed booking form. The balance will be payable not later than April 30 2012. The course will run subject to a minimum of 10 people signing up by January 31 2012. The enquiry levels for this course have been heavy, so you are advised to book early.

Your money...

Upon receipt, all monies paid for these tours are placed in a specific 'client trust account' where it cannot be drawn by us until after completion of the tour. This is in accordance with EU Directives and ensures that your money is safe in the unlikely event of corporate failure by Geo Supplies.

Any Questions?

Please ring Chris Damon on 0114 2455746 if you have any questions or queries. I'll do my best to help you. Email: downtoearth@geosupplies.co.uk



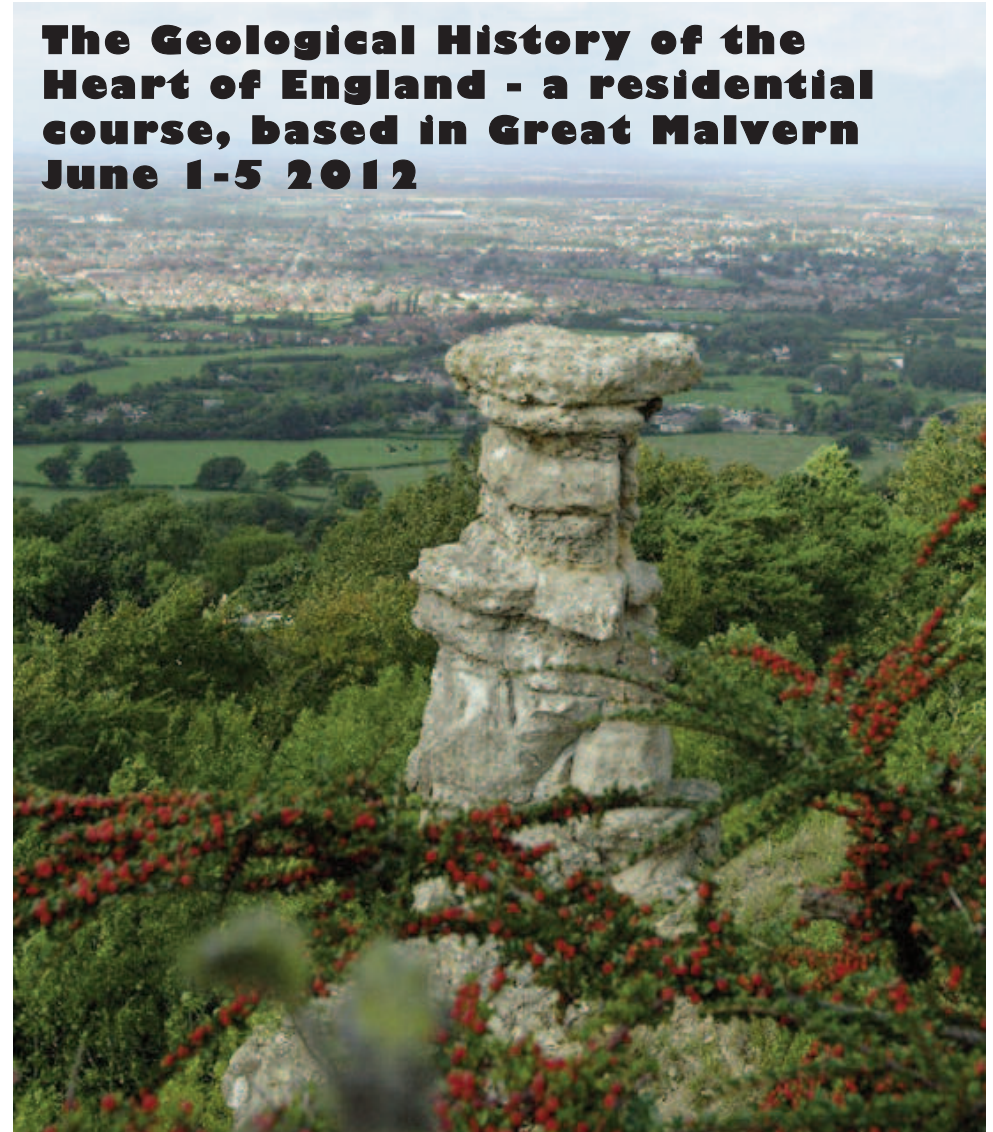
Permian sandstones at Bridgnorth, showing spectacular cross bedding.



Down to Earth

"Earth science learning for all"

The Geological History of the Heart of England - a residential course, based in Great Malvern June 1-5 2012



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Down to Earth is a division of Geo Supplies Ltd.

An introduction to the course...

Last October we held a weekend field course at the Montrose Hotel in Great Malvern and were very taken by what this location has to offer. We vowed to return and base a longer residential at the same venue. An opportunity has arisen, to make this happen earlier than we had thought.

Within a 40-mile radius of Great Malvern it is possible to see rocks of almost every age beginning with the Precambrian and going through to the Jurassic. In so doing you can see a wide range of igneous and sedimentary rocks and experience some superb, varied landscape.

This course would be ideal for anyone looking for great geological variety and would be perfect for anyone who has already studied a little geology, perhaps at an evening class or via a distance learning course. It would also be suitable for Open University students.

Kind regards



Chris Darmon BSc
Tour Organiser/Leader

A summary of the geology...

The oldest rocks, that form the basement of the heart of England are a suite of late Precambrian, Ediacaran igneous rocks that form the Malvern Hills. These are overlain to the west by sediments of Cambrian and Silurian age. There's an Ordovician quartzite exposed in the Lickey Hills, SW of Birmingham. Devonian and Carboniferous rocks are found on nearby Titterstone Cleve, which is also host to a large dolerite sill. Triassic, desert sandstones will be seen in several places, whilst a trip to the Cotswolds will allow us to examine fossiliferous sediments at Leckhampton Hill, including the amazing Devil's Chimney (see the picture on the front of this leaflet).

Getting There

Great Malvern railway station enjoys good connections to London, Birmingham, the South Coast and Hereford and allows easy access to the centre of the town. By road, it is only about 10 miles from the M5 on a good connection. Our hotel is just 10 minutes walk from the station.

Getting Around

We will make use of shared car transport for this tour. Please indicate on the booking form if you are willing to offer seats to passengers during the tour. Passengers would be expected to contribute to the cost of fuel for the car they are in.

Walking

Everything should be within the capabilities of all of the party. We will always try to get as close as possible to the sites, but this will still mean that there are some walks of a couple of miles, to see the best exposures. The terrain is modest and ascents and descents are quite short.

However, if at any time you wish to 'opt out' that will be fully acceptable and understood. In view of the uncertainties of the weather you are strongly advised to bring all waterproofs and walking boots – particularly as you will be walking over rough ground.

Itinerary

The following is not intended to be prescriptive, but to give you an idea of what we might want to cover during the tour. To maximise the amount of time in the field, we will meet at 12.00 noon on June 1 and not finish until around 4.00 pm on the last day, giving the best part of five field days!

- The Malvern Hills - probably the area around British Camp and North Malvern.
- Silurian limestones of the Abberley Hills
- The Lickey and Clent Hills of SW Birmingham
- Fossiliferous Silurian rocks of the Ludlow area
- The Devonian and Carboniferous rocks of Titterstone Cleve, including the sill
- Triassic rocks of the Stourport/Bridgnorth area (by steam train)
- The amazing geology of Martley, Herefordshire
- Jurassic fossiliferous rocks of Leckhampton Hill on the Cotswold escarpment

Accommodation & Food

Good food and a good night's rest are important elements on our tours and so we always try to use small, family run, hotels and guesthouses that offer en-suite or private facilities.

For this tour we will stay at the comfortable, family owned and run, Montrose Hotel which is situated on a quiet residential road, close to the centre of Great Malvern. The Montrose Hotel provides accommodation and excellent breakfasts, but not evening meals, so we will use a couple of local hotels and restaurants for dinner, including the nearby Foley Arms Hotel. Packed lunches will be provided for each field day, sourced from a local bakery or supermarket.

Single accommodation is available, but is limited and subject to a supplement. We are happy to help anyone looking for someone to share a twin bedded room - see booking form.

Cost

For 2 people sharing a double or twin room, the cost of the 4-night tour will be £545.00 per person; for single occupancy, the cost will be £645.00 per person.



The Lickey 'overfold' quarry