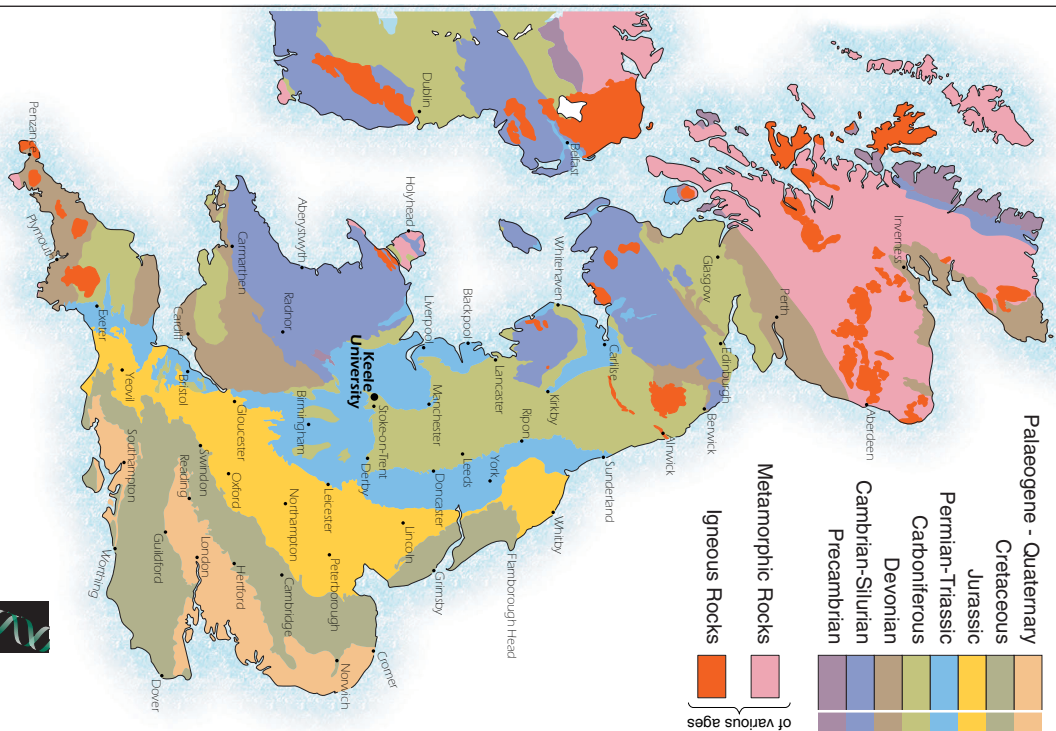


Geological Map of Great Britain

How old are the rocks under YOUR feet?!

Find your location on the map... check out the colour in the map legend... follow it overleaf to a geo-timescale and to see some typical fossils that might be found in the sedimentary rocks below you.



Palaeogene - Quaternary
Cretaceous
Jurassic
Permian-Triassic
Carboniferous
Devonian
Cambrian-Silurian
Precambrian

Metamorphic Rocks
Igneous Rocks

of various ages

Geological Time Scale

Era	System	Time from present (in millions of years)	and some typical fossils
Quaternary	Neogene	0 - 1.6	Neprusa (gastropod), Arctica (bivalve)
	Paleogene	1.6 - 23	Sharks tooth, Apornais (gastropod)
Cretaceous		65 - 142	Tyrannosaurus, Primia (bivalve), Eumonites (ammonite)
	Jurassic	142 - 205	Micaster (echinoid), Dactyloceras (ammonite), Ichthyosaur (marine reptile), Gryphaea (bivalve), Ceadetes (ammonoid)
Triassic		205 - 248	Schizodus (bivalve), Ceratodus (fish tooth)
	Permian	248 - 290	Gastroceras (goniatite), Aetopterus (tree fern)
Carboniferous		290 - 354	Spiller (brachiopod), Philpistaria (coral)
	Devonian	354 - 417	Osteolepis (fish), Cherurus (trilobite)
Silurian		417 - 443	Encrinurus (trilobite)
	Ordovician	443 - 495	Didymograptus (graptolite), Ogygia (trilobite), Trinacrus (trilobite)
Cambrian		495 - 545	Agonotus (trilobite), Lingula (brachiopod)
	Precambrian	545 -	

The oldest Precambrian rocks in Britain, the Lewisian metamorphics of NW Scotland, date from about 3,000,000,000 years ago, and were laid down some 1.6 billion years after the Earth's origin (at approx. 4,600,000,000 years ago).

For information on degree courses in both Geography and in Geography at Keele University please visit our website at: www.esci.keele.ac.uk, phone 01782 583615, or write to: The School of Earth Sciences & Geography, Keele University, Keele, Staffordshire ST5 5BG



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