STARFISH - *Pentasteria cotteswoldiae*
Age: c.160 million years
Starfish are related to sea urchins and sea lilies (crinoids) and are members of the Echinoderms.
From: Eyford, Gloucestershire
Stratigraphy: Middle Jurassic, Bathonian, Great Oolite Group, Stonesfield Slate

TRACE FOSSIL - *Nereites cambrensis*
Age: c.430 million years
This feeding trail in marine sediment was probably made by a gastropod (sea snail).
From: Lampeter, Dyfed, Wales
Stratigraphy: Silurian, Llandovery Series

TRILOBITE - *Ogygiocarella angustissima*
Age: c.450 million years
Trilobites are now extinct. Their closest modern relative is the king crab. They lived on or near the sea bed in warm water and could roll up, like a modern wood louse. It had jointed legs, antennae and, with insects and spiders, was an arthropod. Can you see its prominent eyes?
From: Builth Wells area, Powys, Wales
Stratigraphy: Upper Ordovician, Caradoc Series

BOX ROCK CIRCUS

http://www.boxrockcircus.org.uk

- lower recreation ground - parking in Selwyn Hall car park
- access for the disabled - SN13 8NT

Fossil Rubbings

donated by the Curry Fund, Geologists' Association
Metal casts funded by Box Bingham Trust

GeoEd fossil rubbing set - *http://www.geoed.co.uk*

These fossil casts are all taken from real fossil specimens

Practical Hints for rubbing:
paper - cheapest copy paper gives good results as does wallpaper lining paper
pencils / **crayons** - hardness HB to 2B pencils are recommended or coloured, wax crayons.
Hold the paper firmly, or stick it down, rub lightly over the whole fossil area to establish the outline and major features, followed by more thorough rubbing to fill in the details.

AMMONITE - *Psiloceras johnstoni*
Age: c.190 million years
Ammonites are now extinct, their nearest modern relatives being nautilus, squid and octopus. They lived in the sea and were members of the cephalopod molluscs.
From: Doniford Bay, Somerset
Stratigraphy: Lower Jurassic, Lower Lias, Planorbis zone

DINOSAUR FOOTPRINT- *Megalosaur-type*
Age: c.150 million years
Small footprint from a carnivorous dinosaur. If you measure the length of the foot and then multiply the figure by four, you will know the hip height of the animal.
From: Thornborough Mill, near Buckingham
Stratigraphy: Upper Jurassic

DRAGONFLY - *Stenophlebia aequalis*
Age: c.140 million years
One of the many flying insects in the Jurassic skies.
From: Solnhofen Limestone, Bavaria, Germany
Stratigraphy: Upper Jurassic, Portlandian

PTERODACTYL - *Pterodactylus elegans*
Age: c.150 million years
This complete skeleton shows all the individual bones including the skull with teeth. It is one of the Pterosaurs (flying reptiles).
From: Solnhofen Limestone, Bavaria, Germany
Stratigraphy: Upper Jurassic

PTERODACTYL - *Pterodactylus kochi*
Age: c.145 million years
This creature is in an upright 'skiing man' position. It has excellent bone preservation. The long 'hand' digit supporting the wing membrane is dramatically seen in this specimen. It is one of the Pterosaurs (flying reptiles).
From: Solnhofen Limestone, Bavaria, Germany
Stratigraphy: Upper Jurassic

SEA LILY - *Hapalocrinus elegans*
Age: c.145 million years
Sea lilies (crinoids) are related to sea urchins and star fish. They lived fixed to the sea bed by flexible 'stems' in shallow water.
It is a member of the Echinoderm family.
From: Hunsrück Shale, Bundenbach, Germany
Stratigraphy: Lower Devonian

SPADE FISH - *Archaephippus asper*
Age: c.50 million years
Extinct member of the Spadefishes (*Ephippidae*), a family of coastal fish living in warm seas. You can see eggs in the body cavity of this female specimen.
From: Monte Bolca, Verona, Italy
Stratigraphy: Eocene, Palaeogene