



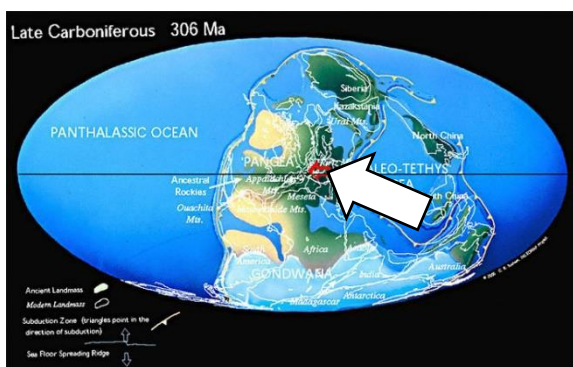
East Wemyss Field Trip

Fossil Crib Sheet



Background

East Wemyss is built on 320-million-year-old coal deposits from the Carboniferous Period. At this time Scotland was located around the equator, and the midland valley was covered by a swampy forest, close to a tropical sea. The forests formed vast peat swamps which over millions of years turned to coal. The area we will search today is a spoil heap from the Michael Colliery (1895-1967).



Location of Scotland in the Carboniferous
<https://www.agatesofscotland.co.uk/geology.html>



Michael Colliery (1895-1967)
<https://www.bbc.co.uk/programmes/p05frh1l>

Horsetails

Fossils



Stem



Leaves

Restorations



Tree horsetail
Calamites sp.

Living relatives



Equisetum telmateia



East Wemyss Field Trip

Fossil Crib Sheet



Clubmosses

Fossils



Stem with leaf scars

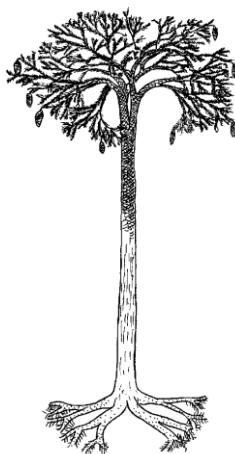


Roots – *Stigmaria ficoides*

Restorations



Cone



Tree clubmoss
Lepidodendron sp.

Living relatives



Lycopodium clavatum

Fern-like leaves

Fossils



Neuropteris



Pecopteris

Restorations



Ferns
Psaronius



Seed fern
Medullosalean species

Living relatives



Fern
Angiopteris evecta



Seed plant
Ginkgo biloba