

2010 Fossil List (Rev: 8-27-09)

INVERTEBRATES

Forams (Foraminifera)

*Fusulinids

Genus - *Nummulites*

Diatoms

Sponges* (Phylum Porifera)

Genus - *Hydnoceras*

Genus - *Astraeospongia*

Bryozoans*

Genus *Archimedes*

Genus *Rhombopora*

(Growth forms: branching, massive, fenestrate)

Graptolites (Phylum

Hemichordata)

Phylum Cnidaria

Class Scyphozoa (Jellyfish)

Horn & *Colonial Corals

Genus - *Heliophyllum*

Genus - *Favosites*

Genus - *Hexagonaria*

Genus - *Halysites*

Genus - *Septastraea*

Arthropods

Trilobites*

Genus-*Phacops*

Genus-*Isotelus*

Genus - *Cryptolithus*

Genus - *Elrathia*

Eurypterids

Insects

Crustaceans (shrimp, lobster, crabs, barnacles)

Brachiopods (**Rhynchonella* in Kit)

Inarticulate

Genus - *Lingula*

Articulate

Genus - *Platystrophia*

Genus - **Atrypa*

Genus - **Mucrospirifer*

Genus - *Rafinesquina*

Genus - *Leptaena*

Genus - *Composita*

Genus - *Juresania*

Molluscs (Phylum Mollusca)

Bivalves

(clams, mussels, oysters)

Genus - *Pecten*

Genus - **Gryphaea*

Genus - **Exogyra*

Genus - *Pholadomya*

Gastropods (*snails)

Genus - *Conus*

Genus - * *Turritella*

Genus - * *Worthenia*

Genus - *Platyceras*

Genus - *Cypraea*

Cephalopods

Nautiloids:

Genus - *Orthoceras*

Genus - *Nautilus*

Ammonoids:

Genus -*Dactyloceras*

Genus - *Baculites*

For C Division add suture

patterns (nautiloid, goniatite,

ceratite, ammonite*)

Belemnoids:

Genus - *Belemnitella*

Echinoderms

Crinoids

*(stems, columns, calyxes)

Echinoids*

(sea urchins, sand dollars)

Stelleroids ("Starfish")

(sea stars, brittle stars)

Blastoids*

Genus - **Pentremites*

VERTEBRATES

Fish

Jawless Fish (Agnathans)

Armored Fish (Placoderms)

Genus - *Dunkleosteus*

Genus - *Bothriolepis*

Cartilagenous Fish

(Chondrichthyans)

Sharks (*Shark Teeth) and rays

Bony Fish *(Osteichthyans)

Ray finned and lobe finned

fish

Reptiles

Mammal-like reptiles

(Synapsids)

Genus - *Dimetrodon*

Genus - *Lystrosaurus*

Ichthyosaurs

Plesiosaurs

Mosasaurus

Pterosaurs

Dinosaurs (*Bone piece in Kit)

Saurischians (Lizard-hipped)

Genus - *Allosaurus*

Genus - *Apatosaurus*

Genus - *Coelophysis*

Genus - *Deinonychus*

Genus - *Plateosaurus*

Genus - *Velociraptor*

Genus - *Tyrannosaurus*

Ornithischians (Bird-hipped)

Genus - *Iguanodon*

Genus - *Stegosaurus*

Genus - *Triceratops*

Genus - *Parasaurolophus*

Birds

Genus - *Archaeopteryx*

Mammals

Genus - *Basilosaurus*

Genus - *Mammuthus*

(Mammoth)

Genus - *Mammut*

(Mastodon)

Genus - *Hyracotherium*

Genus - *Equus*

Genus - *Smilodon*

Genus sp. - *Homo*

neanderthalensis

PLANTS

Horsetails

Genus - *Annularia*

Genus - *Calamites*

Club Moss ("Scale tree")

Genus - *Lepidodendron*

Ferns and Seed Ferns

(Fern-like foliage)

Genus - *Glossopteris*

Gymnosperms

(cycads/conifers/ginkgos)

Genus - *Metasequoia*

Genus - *Ginkgo*

Angiosperms

Genus - *Acer*

TRACE FOSSILS

Trails, Borings

Tracks, Trackways

Burrows, Tubes

Coprolites

OTHER

Amber

*Petrified wood

Stromatolites

Fossil Starter Kit: Specimen marked with an asterisk are included in a kit of 24 specimens that represents most of the major phyla. Make School Purchase orders or checks payable to ESES, Box 503, Lee's Summit, MO 64063 for \$18 per kit (includes shipping). No phone or credit card orders accepted. (For questions only, call: 816-524-5635)

The Smithsonian Fossil Handbook, may be ordered at <http://www.soinc.org>