

2009 Fossil List (Rev: 7-17-08)

INVERTEBRATES

Forams (Foraminifera)

Genus - *Nummulites*
*Fusulinid

Diatoms

Sponges* (Phylum Porifera)

Genus - *Hydnoceras*
Genus - *Astraeospongia*

Bryozoans*

Genus *Archimedes*
Genus *Rhombopora*
(Growth forms: branching, massive, fenestrate)

Graptolites (Phylum Hemichordata)

Corals (Phylum Cnidaria)

*Horn & *Colonial Corals
Genus - *Heliophyllum*
Genus - *Favosites*
Genus - *Hexagonara*
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, ammonoids, belemnoids)
Genus - *Orthoceras*
Genus - *Nautilus*
Genus - *Dactyloceras*
Genus - *Baculites*

For C Division add suture patterns (nautiloid, goniatite, ceratite, ammonite*)

Genus - *Belemnitella*

Echinoderms

Crinoids

*(stems, columns, calyxes)

Echinoids*

(sea urchins, sand dollars)

Asteroids

(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

Reptiles

Mammal-like reptiles

(Therapsids)

Genus - *Dimetrodon*
Genus - *Lystrosaurus*

Ichthyosaurs

Plesiosaurs

Mosasaurs

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*

Ferns

Scale Tree

Genus - *Lepidodendron*

Seed Fern

Genus - *Glossopteris*

Gymnosperm

Genus - *Metasequoia*
Genus - *Ginkgo*

Angiosperm

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>