

**Jefferson County Educational Service Center
Virtual Learning Academy
Required Course Materials
SCI 130: SCIENCE 130**

Unit 02: Rock Layers

Clay, small rocks or pebbles, modeling dough in 3 colors, and a wide-mouthed-clear cylinder container

Unit 03: Rock & Soil Review Lesson

The Magic School Bus Inside the Earth by Joanna Cole

Unit 05: Fossils

A tray of damp sand, a piece of card board about 2x15 in., plaster of Paris, water, and paper clips

Unit 06: Changes In An Organism's Habitat Are Sometimes Harmful

Liquid detergent, wax paper, a plastic bag, a large pan or bowl of water

Unit 07: Changes in an organism's habitat are sometimes beneficial

Wild animal pictures, crayons or markers, shoe box, construction paper, scissors and glue

Unit 09: Technology can extend human abilities

Poster board

Unit 11: Results of Technology affect the individual, family, community

Behind the Scene at the TV News Studio by Marilyn Miller

Sending Messages by Anne Mountfield

A Book takes Root by Michael Kehoe

Spacecraft Technology by John Mason

Undersea Technology by Ralph Rayner

Record Breakers Machines and Inventions by Gareth Stevens

Unit 21: Science Investigations

Science Starter by Time-Life Books

Simple Science by Angela Wilkes and David Mostyn

Unit 27: Breakdown of Rocks

Potting soil, plastic gallon milk jug, plaster of Paris, water, masking tape, navy beans, measuring cup, knife, self-sealing plastic bag, and a plastic pill bottle

Unit 28: Soil Composition

Soil, newspaper, plastic bags or tubs, fine-mesh sieve or strainer, scale or balance, magnifying glass, and a wide-mesh sieve

Unit 30: Soil Layers And The Differences From Place To Place

Spade and trowel, ruler, and magnifying glass, a clear plastic bottle, soil, a thick needle, cardboard, poster board, water, plastic tubing, a sharp utility knife, tape, and a jar or glass.

Unit 31: Life Cycles of Different Animals

Butterfly net

Unit 33: Motion of Object and Position of those Objects Relative to Other Objects**Two Books**

The Sun and Moon by Patrick Moore

The Mysterious Universe by Robbin Kerrod

Unit 34: Gravity, Magnetism, and Collision

Pencil, clay, and circular magnets

Unit 35: Push, Pull Weight, and Friction

Toy cars, smooth piece of wood approximately 36 inches in length, small piece of carpet or other rough material