

**Jefferson County Educational Service Center  
Virtual Learning Academy  
Required Course Materials  
SCI 140: SCIENCE 140**

**Unit 01: Explain Air**

Clear plastic glass, a sink or bowl of water, and a crumbled up piece of paper

**Unit 03: Water Changes**

A bottle with a narrow neck, ice cubes, very hot water. shiny metal can, paper towels, food coloring

**Unit 07: Weather and Clouds**

Cotton balls, lint from the clothes dryer, poster board, paints, and glue

**Unit 08: Earth's shape from wind, water, ice**

Two same-size clear glasses of water, 1/3 cup of salt, a spoon, a plastic straw, scissors, nondrying molding clay, colored thread. ice cubes that are more square than round, bowl of water, toothpick or small dowel or an unlit match or a popsicle stick(any type of stick with a length longer on both sides than the ice cube). glass jar that has a lid that fits well, water, your freezer, a paper bag

**Unit 09: Freezing-Thawing-Plant growth to reshape Earth**

Large cake pan, soil, ice block, five or six flat rocks that are numbered, water

**Unit 10: Earth's surface changes**

Blocks, plastic straws, tape, scissors, construction paper

**Unit 12: Plant Structures**

The Kid's Science Book by Hirschfeld and White

DK Eyewitness Explorer: Trees by Linda Hamlin

Winds in the Woods: The Story of John Muir by John Stewart

**Unit 13: Plant Characteristics**

Autumn Leaves by Ken Robbins

When Autumn Comes by Robert Maas

The Reasons for Seasons by Gail Gibbons

**Unit 14: Fossils**

DK Dinosaur Encyclopedia: From Dinosaurs to the Dawn of Man

Living Fossils: Animals That Have Withstood the Test of Time

### **Unit 31: Investigation results**

A television with a remote control unit, a flashlight, cornstarch or baby powder, and a glass of clear water

### **Unit 33: Records, Observations, & Investigations**

Approximately a dozen peanuts in their shell, bowls, ruler, string, and a balance if possible. a plane kit or a self-designed airplane, two ten meter tapes, paper clips, graph paper, and scissors