

Materials Details Page:**ENGAGE 1:****For the class:**

- Orange
- (for teacher use only) knife

For each student:

- Math Integration: (per child) paper plate
- Writing Integration: Science Journals

ENGAGE 2:**For each group:**

- (5) Peat Planting Pots
- (5) Coleus Plants Reg.20
- (5) Styrofoam cups for pots to sit in
- (5) 50mL beakers
- (5) plastic spoons
- (1) sandwich baggie half full of each potting soil, gravel, sand, clay, and humus

For each student:

- Scientific Lab Sheet
- "Soils As Life Support" Journal

EXPLORE 1:**For each group:**

- old newspaper
- 1 cup of soil per group
- hand lenses
- spoons

For each student:

- Science Journals
- "Soil As Life Support" Journal

For the class:

- Part 1: Science Journals
- Butcher Paper

EXPLORE 2:**For each student:**

- Science Journal
- "Soil As Life Support" Journal

For the class:

- Newspaper
- soil sample
- hand lens
- wide-mouthed jar with lid
- water
- Textbook
- Computer/TV Monitor

EXPLAIN 1:**For the class:**

- Science Journals
- (2) 8 oz. measuring cups
- (1) 16 oz. measuring cup
- 8 oz. of potting soil
- water

For the group:

- Stream Table or Lg. Roasting Pan
- Soils: Clay, Gravel, Sand, Humus
- Hand Lens
- Water

For each child:

- "Soil As Life Support" Journal

EXPLAIN 2**For the class:**

- HB Activity Video

For the group:

- 3 clear plastic cups
- sharpie marker
- metric ruler
- 2 lg. Coffee filters
- 2 rubber bands
- 3/4 cup of potting soil,
- 1/4 cup sand,
- spoon
- water

For each child:

- "Soil As Life Support" Journal
- Scientific Lab Sheet

ELABORATE 1**For the class:**

- Explorations CD

For each child:

- Science Journal
- "Soil As Life Support" Journal

ELABORATE 2**For the class:**

- Harcourt Brace Science Explorations CD

For each child:

- "Soil As Life Support" Journal
- Science Journals

EVALUATION 1**For each child:**

- "Soil As Life Support" Journal
- Study Guide

EVALUATION 2**For the class:**

- Overhead Projector
- Graph Transparency

For each child:

- Scientific Lab Sheets
- "Soil As Life Support" Journals