

Selected Examples of Resources and Connections to go with Drawing with Dirt Lesson Plan

Classrooms should have this poster!

Obtain the poster (and others) for **free** (\$9 shipping only!) from Legacy: Partners in Environmental Education

www.legacyenvd.org



Did you know that soil has its own social media pages?

Look no further than the United States Department of Agriculture to link you up! Their site has some pretty great looking lessons, too.

https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/edu/?cid=nrcs142p2_054308

USDA Natural Resources Conservation Service
 Soils
 United States Department of Agriculture

A Soil Profile

Background

If you look in a soil pit or on a roadside cut, you will see various layers in the soil. These layers are called **soil horizons**. The arrangement of these horizons in a soil is known as a **soil profile**. Soil scientists, who are also called pedologists, observe and describe soil profiles and soil horizons to classify and interpret the soil for various uses.

Soil horizons differ in a number of easily seen soil properties such as color, texture, structure, and thickness. Other properties are less visible. Properties, such as chemical and mineral content, consistency, and reaction require special laboratory tests. All these properties are used to define types of soil horizons.

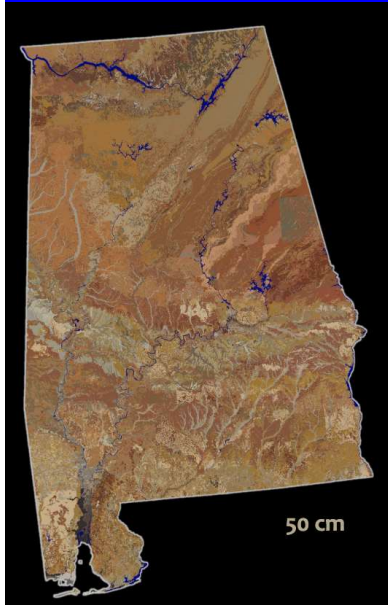
Soil scientists use the capital letters **O, A, B, C,** and **E** to identify the master horizons, and lowercase letters for distinctions of these horizons. Most soils have three major horizons -- the surface horizon (**A**), the subsoil (**B**), and the substratum (**C**). Some soils have an organic horizon (**O**) on the surface, but this horizon can also be buried. The master horizon, **E**, is used for subsurface horizons that have a significant loss of minerals (eluviation). Hard bedrock, which is not soil, uses the letter **R**.

Project

1. Print the soil profile cards onto cardstock paper or draw your own design on a 3" x 5" note card. (The following files will print 6 cards per page.)

Downloadable posters of colors of Alabama Soil

<https://new.cloudvault.usda.gov/index.php/s/XiiqkG2DqKHbH6b/download>



Pigments through the ages

This site has fantastic information on how pigments (colors) have evolved through history, the materials (earth minerals and plants) they were and still are made of, and color analysis in work by famous artists.

<http://www.webexhibits.org/pigments/>



A modern pigment shop in Venice, Italy, where the "traditional" painter can buy pigments to mix into paints themselves.

Blog on how to create pigments from soil and plants by Rhonda R. Janke

<https://parideazafarmart.wordpress.com/workshop-on-making-paint-from-soil/>



Demonstrating the muller for making paint

Two Alabama artists who use earth materials in their work

Collection of the Montgomery Museum of Fine Arts

	<p>Richard Jemison (aka Dick Jemison) (1942 -) Visit with the Nuba, 1978 Sand, oxides, and acrylic on canvas 78 in. x 62 1/2 in. (198.12 cm x 158.75 cm) https://collection.mmfa.org/Obj3759?sid=3285&x=1063</p>
	<p>Jimmy Lee Sudduth (aka Jimmie Lee Sudduth) (Cains Ridge, Fayette County, Alabama, 1910 - 2007) Untitled (Two-Story High Style House), 1975 Earth pigments on plywood 22 3/4 in. x 22 3/4 in. (57.79 cm x 57.79 cm) https://collection.mmfa.org/Art686?sid=3285&x=528</p>

Walter DeMaria's Earth Room in New York City

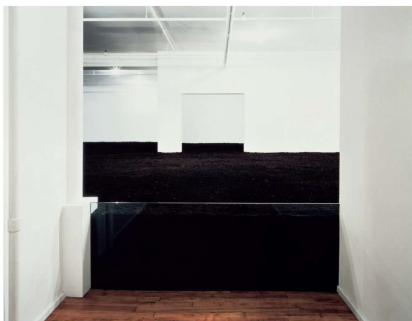
This site provides very nice insight into the meaning and maintenance of Earth Room

<https://publicdelivery.org/walter-de-marias-earth-rooms/>

Dia Foundation's official web site for Earth Room

<https://www.diaart.org/collection/collection/de-maria-walter-the-new-york-earth-room-1977-1980-135/>

The New York Earth Room, 1977



Walter De Maria, *The New York Earth Room*, 1977. © Estate of Walter De Maria. Photo: John Ciletti

Other artists (by no means not all) of National and International repute who use earth in their work, including large scale sculpture:

- Robert Smithson
- Andy Goldsworthy
- Michael Heizer
- Nancy Holt
- Richard Long
- Maya Lin
- Christo

American History and Social Studies (High School)

Equal Justice Initiative: Soil and Social Change

- <https://eji.org/>
- <https://eji.org/wp-content/uploads/2019/10/lynching-in-america-community-remembrance-project-2.pdf>
- <https://massdesigngroup.org/work/design/soil-collection-memorial-peace-and-justice>

