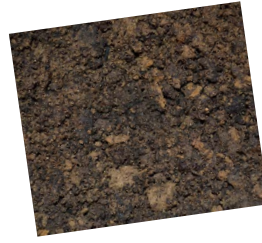


# SOIL Ag in a Bag

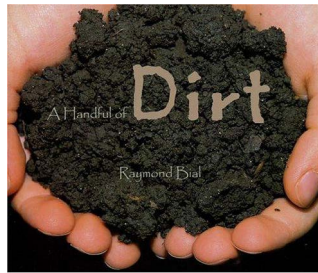


## Reading Materials:

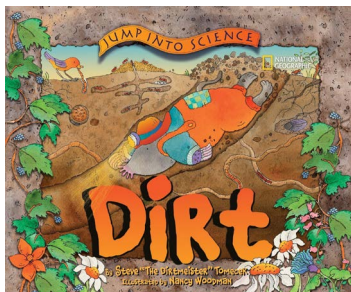


Soybean Ag Mag  
(included)

## Suggested Books:



**Handful of Dirt**  
by Raymond Bial  
<http://bit.ly/HDirtRB>



**Jump Into Science: Dirt**  
by Steve Tomecek  
<http://bit.ly/DirtST>

Create a **FREE** account on **Open Library** to borrow digital copies of these books for **FREE** for 14 days!  
[www.openlibrary.org](http://www.openlibrary.org)

## Available Online:



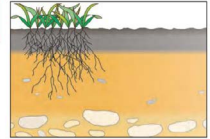
**Ag Mag Online:**  
interactive version with videos:  
<https://bit.ly/soilagemag>

**Young Reader Fact Sheet:** <http://bit.ly/SoilYR>

## SOIL USES: agriculture, construction, art, filtering and purifying water, landfills

### WHAT IS SOIL AND WHY IS SOIL IMPORTANT?

One of Earth's most important natural resources is soil. There are many different soil types. It takes, on average, 500 years to form one inch of topsoil. Although soil takes a long time to form, it can be destroyed very easily. Most life on Earth depends upon the soil for food. Plants are rooted in the soil and get nutrients (nourishing substances) from it. Animals also get nutrients from eating the plants that grow in the soil. Soil is home to many organisms such as insects, spiders, insects, and worms. We build sidewalks, roadways, and homes on the soil. Soils also help filter out pollutants that could contaminate our drinking water. Everyone must take an active role in improving and preserving our Earth's soil.



### VOCABULARY

**CLAY SOIL:** has mostly clay, some organic matter, silt, and a little sand. Clay particles are very fine and are the smallest of the three types of soil particles. Clay is sticky when wet and hard like a rock when dry.

### SOIL PARTS

**SoilTerra Nova** vocabulary, diagrams & more: <https://bit.ly/soilTN>

## Learning Ag-tivities:



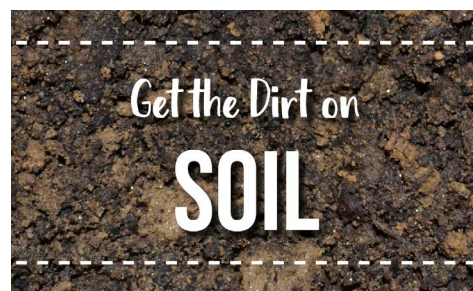
**Soil Sammy** - Make a soil pet with a nylon sock & grow some grass seed hair

Find details at: [www.mcleanaitc.org/soil](http://www.mcleanaitc.org/soil)



**Soil Slurry**- learn about soil particles with a simple experiment

## Videos & More:



Find videos & additional activities on soil, water + much more at [www.mcleanaitc.org/soil](http://www.mcleanaitc.org/soil)

Show us your work! Take a photo & tag @McLeanAITC on Facebook!