

STEAM CHALLENGE



Layers, Layers, Layers

1

Introduction

Have you ever thought about what is underneath the floor? Probably soil, but what is soil? And, are there different types of soils?

Did you know that when a new construction project is about to begin, one of the first things done is to remove the soil? Why is that?

2

Materials

- Medium Container
- Construction, wrapping, or parchment paper
- Soils (Loams, Clays, Silts, Sands)



3

Instructions

Cover one side of the container with the paper, so the inside is not visible. Fill the container with the different types of soils, creating layers and sections. The layers do not have to be even or perfect. Some layers can be a mix of the soils. Could you develop descriptions of where this soil sample was taken?

Identify the different layers of soils just based on the description. Identify the soils by looking at them.

4

Let's Discuss

Are the layers and divisions among the soils always clearly visible?

How can you tell which soil is which? What are some

How do different types of soils affect the construction to be built on top?



5

Tell the World!

Liked this activity? Learned something new? Shared what you discovered with your friends. Keep asking questions and stay curious!

