



Stem Project


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Acknowledgements

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Dr.Cawood for their help and bring us
the materials we needed and also we
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Questions ?

What type of soil determines the depth of the ants tunnels?



Hypothesis ?

The soil will not determine the depth of the ant tunnel.

Variables

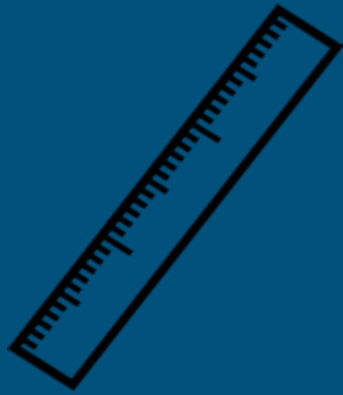
Independent variable: The soil

Dependent Variable: We will observe the depth of the ants tunnel

Controlled Variable: We will not change the ants

Materials

1. Rulers



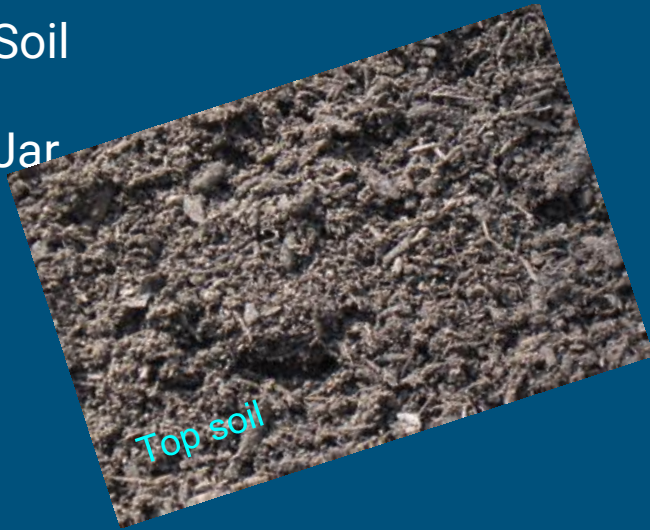
2. Ants



3. Soil



4. Jar



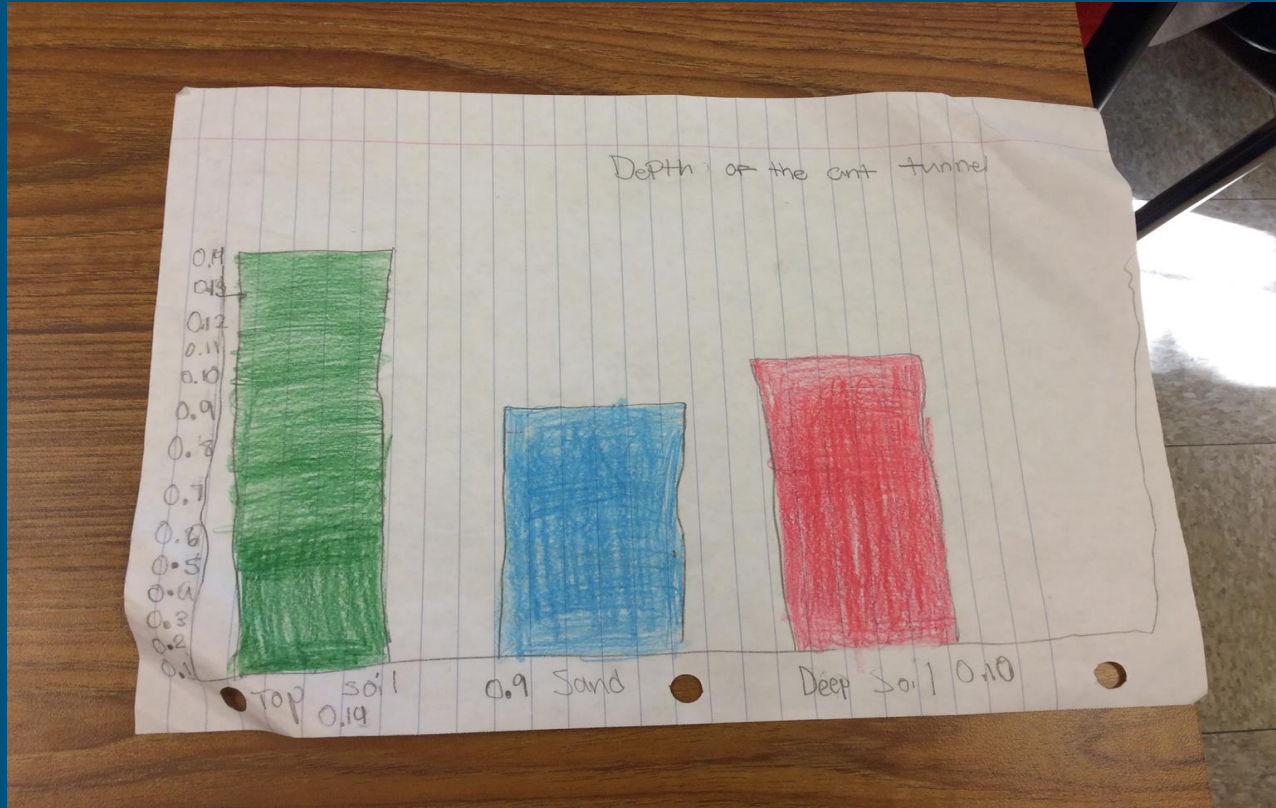
Procedure

1. Gather all materials .
2. Put some topsoil and deep soil in a jar.
3. Put ant the ants in separate jars.
4. Measure how deep the ants can build a tunnel.

Conclusion

The soil did not affect the depth of the ant tunnel. All the tunnels have a depth of 0.5 or more. In about 2 days, the ants started to build their tunnels. A couple days later, the ants had a larger tunnel. We had noticed that the ants were trying to escape the jar. The ants were going crazy in the jar; some were building a tunnel and some were just focusing on escaping. One of our ants escaped out of the hole.

Data graph





Works cited

[Pestworldforkids.org](https://www.pestworldforkids.org)





Data/Observation

The ants in the topsoil have a bigger tunnel than the ants in the other tunnel.


Some ants in the containers are dead in the tunnels.





Statement of the problem

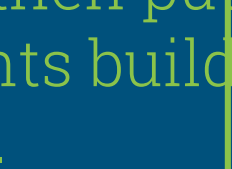
We were outside and we saw some
ants building a tunnel and we all
decided to do what type of soil
determines the depth of ants tunnels





Project Overview

So at first we had got are containers from Dr.Cawood and we put are three different soils and then put are ants in the jar.A couple days later our ants building started to build their tunnels.





Question for further research?



Which soil will have a larger depth than the other 2
soils?



Pictures

