

INVESTIGATING SOIL

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This activity was originally suggested by my old mentor, Paddy Madden of Marino Institute of Education. The children make "soil soup" in a jam jar, but as the soil settles at the bottom of the jar, the ingredients of soil (sand, silt and clay) settle into separate layers. There are a lot of integration options such as the importance of soil in farming and protecting soil as a resource. Older classes could study the Great American Dustbowl phenomenon of the 1930's as an example of farmers not taking care of the land. Last year, I had the 6th classes work out the percentage of clay, silt and sand in their soil samples for maths integration.
 Most adults don't realise that the soil in our garden has four main ingredients. These are: Clay Sand Silt Humus or organic material In this experiment the children collected soil samples in school and using a simple procedure divided the soil into the four ingredients above.
 Clean jam jars with lids Soil samples Water
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