

Types of Soil

Theme	Soil and Farming
Level	Middle school
Topics covered in syllabus	Types of soil, soil that helps plants grow
Academic Objective	The children will learn to identify different types of soil and also learn which soil helps the plants grow
Attitudinal Objective	To make the children comfortable to work with soil and the organisms living in them . To help them form a bond with nature.
Action Objective	A step to Kindle child's interest for agriculture
Items/ Resources needed	<ul style="list-style-type: none">• Different types of soil namely loamy, sandy, clayey• Pots or old containers• Seeds that grow in diff types of soil• Tray
Learnings/ outcome	Child learns to identify type of the soil and its properties based on its texture, colour, smell etc

Activity 1:

Time taken – 45 minutes

The 3 types of soil will be placed in a tray. They will feel the soil with their hands and express the feelings they are with after touching them.

Activity 2:

Time taken -45 minutes class. Observation and recording through out the week.

- Different kind soil samples will be placed in labelled jars.
- Children will observe the Colour (Grey, Dark grey, Bluish grey, Black) , Size of particles (Small, Larger, Largest) , Weight of particles (Heavy, /Light, heaviest) , Dampness or Dryness Smell of the soil (Humus rich/deficient)
- From here they will plant the some seeds and observe the growth of the plants. They will observe and infer in which type of soil the plants grow well. This activity will be done through observation tables and children will document the growth of the plant on a daily basis. They will be introduced to different names of soil by understanding the characteristics of each soil.

Activity 3:

Time taken - 45 minutes

- Three different containers with different parts of soil would be placed in the class room or outside.
- The same seed will be planted in each pot.
- Through the week the children will observe the growth of the plants and try to draw inferences from them

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