

Core skill: To know that the texture of sand changes when water is added

Activity zone



Sand/water

After that, he poured water into a basin and began to wash his disciples' feet, drying them with the towel that was wrapped around him.

John 13:5
New International Version



Northaw CE Primary School

Learning sequence

- Explore and feel sand in its original state.
- Use a variety of pouring containers to add water to sand.
- Explore what happens when water is added to sand.
- Use a variety of tools such as spoons or spades to mix water in with the sand and see how this changes the texture.
- Describe any changes that take place after water is added.
- Use taught vocabulary to describe the texture.
- Consider the reverse effect – i.e. is it possible to thicken the sand back up?
- To know why the texture of sand changes when water is added.

Adult support

- Provide resources in the sand which will lead to lots of exploration, questioning and problem-solving.
- Enable children to have access to sand and water during CIL.
- Model using vocabulary relating to texture and consistency of sand.

Key vocabulary

grainy
solid
liquid
powdery
gooey
sloppy
thinner
thicker
mix
stir

pour
texture
feel
changed

Related core skills

- To be able to grasp, hold and carry containers
- To be able to manipulate sand creatively
- To be able to move water successfully from one place to another

Curriculum ambition(s)

- Create imaginative and intricate structures using an understanding of properties of sand and water