

Teacher Guide

Marvellous Materials



Levels : First and Second
Maximum Number of Pupils: 33

Duration: 60 mins

What to Expect

Pupils will investigate the amazing properties of different materials and use critical thinking to choose appropriate materials to solve practical challenges.

What is Covered

- Identify properties of different materials using sorting activity, for example, rigidity, flexibility, rough, smooth and waterproof, and their uses linked to their properties;
- Use real-life examples of things such as paper to investigate different properties of paper and how absorbent it is
- Through practical activities separate simple mixtures of substances and relate to their findings to everyday experience

Curriculum for Excellence links

We have identified the Curriculum for Excellence experiences and outcomes to which this workshop can most significantly contribute:

First Level SCN 1-15a

Through exploring properties and sources of materials, I can choose appropriate materials to solve practical challenges.

First Level SCN 1-16a

I can make and test predictions about solids dissolving in water and can relate my findings to the world around me.

Second Level
SCN 2-15a

By contributing to investigations into familiar changes in substances to produce other substances, I can describe how their characteristics have changed.

Second Level
SCN 2-16a

I have participated in practical activities to separate simple mixtures of substances and can relate my findings to my everyday experience.

Second Level
SCN 2-16b

By investigating common conditions that increase the amount of substance that will dissolve or the speed of dissolving, I can relate my findings to the world around me.