

Practical Exploration of Materials - Year 2

Objective:

To investigate how the shape of materials can be changed by applying different forces.

Activity Overview:

Year 2 pupils explored the properties of everyday materials and tested how they respond to forces such as squashing, stretching, bending, and twisting. Children handled a variety of objects first-hand, predicted what might happen, and then carried out practical tests. They recorded their observations in a results table, noting which materials changed shape and which remained rigid.

Key Learning Points:

- Materials have different properties that affect how they respond to forces.
- Some materials are flexible and can be easily bent or stretched, while others are rigid and resist change.
- Applying forces can change the shape of materials without altering their substance.

Skills Developed:

- Scientific enquiry: predicting, testing, observing, and recording results.
- Understanding material properties and their practical uses.

