

Templemoor Infant and Nursery School

Year 2: Science



Term	Autumn 2
Theme	Uses of everyday materials



BACKGROUND INFORMATION

The children have already identified a range of objects made from everyday materials in the first part of the Autumn Term. They have investigated the properties of everyday materials, including testing for waterproofness and strength. This block of science work will build upon the knowledge and skills that the children have already developed with regards to materials.

OUTCOMES

- I know how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

SUBJECT SPECIFIC OBJECTIVES

- To find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
- To identify and compare the suitability of a variety of everyday materials for particular uses.

TRANSFERRABLE READING, WRITING AND MATHEMATICS SKILLS

Mathematics - measuring, statistics.

Writing - comparative and superlative adjectives (e.g. adding 'er' or 'est' to root word-long, longer, longest)

KEY VOCABULARY

Squashing	Stretching	Rigid	Brittle	Record	Fair Test	Chart
Bending	Properties	Flexible	Observe	Conclude	Predict	Data
Twisting	Material	Inflexible	Measure	Results	Table	

KEY SKILLS AND FACTS

- To observe closely.
- To identify and classify.
- To perform simple tests.
- To gather and record data to help in answering questions.
- To use observations and ideas to suggest answers to questions.

SEQUENCE OF TEACHING

- Identify and compare the suitability of materials-find out about people who have developed useful new materials (e.g. Charles Macintosh).
- Investigate how shapes of solid objects can be changed by squashing, bending, twisting and stretching.
- Apply knowledge e.g. cross curricular PSHE, DT

ASSESSMENT

- Assessment for learning.
- Observations of learning.
- Targeted questioning and self-assessment.
- End of unit assessment.