

### National Curriculum POS:

Everyday Materials

### Visits/Visitors/Experiences:

Visit to the beach.  
Practical investigations into the best materials for a particular job, e.g. the best material for a beach towel.



### Science Key Vocabulary:

Metal	Rough/smooth
Plastic	Shiny/dull
Wood	Bendy/not bendy
Paper	Stretchy/stiff
Glass	Waterproof/not waterproof
Clay	Absorbent/not absorbent
Rock	Same
Brick	Different from
Fabric	Harder
Sand	Smoother
Cork	Softer
Shell	Stretchiest
Water	Roughest
Elastic	Group
Foil	Sort
Hard/soft	Describe
Natural/manmade	Compare
Soft	Fluffy
Flexible	Rigid
Properties	Suitable/unsuitable

## Buckets and Spades

### Everyday Materials Key Questions

- What is it made of?
- Is it useful?
- What properties does it have?
- What can it be used for?
- Where do different materials come from?
- What if beaches were made of trampoline material instead of sand?
- What if skin was super stretchy?
- What if all materials were bendy or rigid?
- Can we change properties?
- Can we make it stronger?

### Everyday Materials NC Objectives

#### Year 1

- Distinguish between an object and the material from which it is made.
- Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock.
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.

#### Year 2

- Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.
- Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

### Working Scientifically Skills

- Ask simple questions and recognise that they can be answered in different ways
- Observe closely, using simple equipment
- Performing simple testing
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions