

KS1 Science key learning:

Autumn 1

Materials

Key Vocabulary:

Materials	What an object is made from
Transparent	You can see through it
Opaque	You cannot see through it
Waterproof	Water cannot get through it
Water-repellent	Water slides off it and does not soak it easily.
Manipulation	Changing a material by bending, twisting, stretching and squashing it

Knowledge:

Year 1

- Object vs material
- Name common materials
- Describe material properties
- Sort materials by properties

Year 2

- Compare materials for different uses
- Match properties to purposes
- Change shapes by bending, twisting, stretching, and squashing
- Identify flexible and rigid materials

Skills:

Year 1

- Ask simple questions
- Sort materials
- Observe materials closely
- Suggest answers from observations
- Record findings with drawings or tables

Year 2

- Ask questions about material uses
- Test and compare materials
- Observe how materials change
- Sort materials by suitability
- Collect and record data
- Explain why materials are used for different objects