

# KS1 Science key learning:

## Autumn 2

### 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