

# Science

All children – regardless of gender, starting point or background – will have the opportunity to engage with a high-quality science education. They will be equipped with the knowledge, skills and vocabulary to understand how science can be used to explain what is occurring, predict how things will behave and analyse caused. We intend to inspire a sense of enjoyment and curiosity about science.

## Everyday Materials

Autumn 1 & 2

### Igniting Prior Knowledge:

Year R (Understanding the World: The Natural World)

- Objects can be made of different materials .
- Materials can feel different.
- Materials can look different.
- We can sort materials according to how they look and feel.



### Key Vocabulary:

Object	Wood
Plastic	Glass
Metal	Rock
Brick	Fabric
Elastic	Foil
Bendy	Stiff
Stretchy	Shiny
Dull	
Waterproof	
Absorbent	
Opaque	
Transparent	

### New Knowledge:

- An object is a thing you can touch
- A material is what the object is made from
- All objects are made of one or more material
- Materials can be described by their properties
- Transparent means you can see clearly through the material
- Opaque means you cannot see through them
- Waterproof means the material does not soak up the water
- Absorbent means the material soaks up liquid
- Materials can be grouped together on the basis of their simple physical properties
- Some materials can be in different forms with very different properties

