



# Year 2 – Autumn 2 – Flames and Fireworks

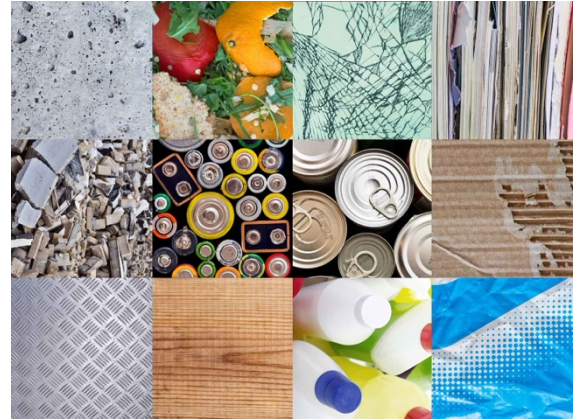
## Science

## Materials

In this unit of work, we will learn about the suitability of everyday materials (i.e. wood, metal, plastic...). We will identify the properties of different materials and why this is useful for their particular uses. We will investigate how shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

### Key Questions

- What properties do materials have?
- Can materials be used for more than one thing?
- Can different materials be used for the same thing?
- What materials are best for keeping ice solid?
- Can solid objects change shape?
- Can heat change the shape of objects?



### Key Vocabulary:

#### Materials

wood	plastic	glass	metal	rock
rigid opaque	translucent flexible	waterproof transparent	shiny opaque	rough dull
table	bottle	window	key	wall

### Home Learning Suggestions

- Using a range of objects from the home, sort them into different materials.
- Investigate whether a range of materials can change based on squashing, bending, twisting and stretching. Create a table of results.
- Investigate the absorbency of a range of materials.