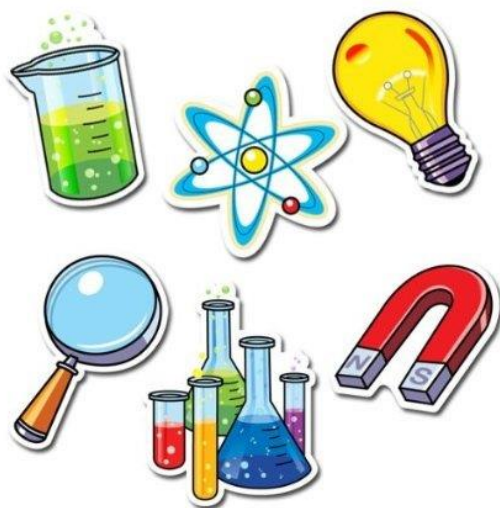


## Summer 1 – Properties and changes of materials

### Key Learning:

- The pupils will learn that materials have different uses depending on their properties and state (liquid, solid, gas).
- They will learn that some materials will dissolve in a liquid and form a solution while others are insoluble and form sediment.
- They will observe that mixtures can be separated by filtering, dissolving and evaporation.
- They will complete various practical investigations to observe that some changes to materials such as dissolving, mixing and changes of state are reversible, but some changes such as burning wood, rusting and mixing vinegar with bicarbonate of soda result in the formation of new materials and these are not reversible.



### Vocabulary:

thermal insulator/conductor		new material
		electrical insulator/conductor
change of state	mixture	dissolve
	solution	soluble
		insoluble
filter	sieve	reversible change
non-reversible change	burning	rusting