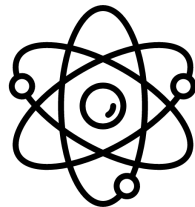


## *We will be learning about...*

*This half term, We will be learning about the properties of different materials and how materials can change.*



## Science - Year 5 Properties and Changes of Materials



## *To prepare for this you could talk about...*

*What household objects are made of and why some materials may be better than other materials for different purposes. If you were redesigning something, what material would you make it from?*

## *We will be studying...*

- How to group together everyday materials on the basis of their properties
- Which materials will dissolve in liquid to form a solution
- How to recover a substance from a solution
- How mixtures might be separated, including through filtering, sieving and evaporating

## *You could read...*

*'States of Matter' by Agnieszka Biskup*

*'Matter Matters' by Tom Adams*

*'Changing Matter' by Tracy Maurer*

## *Online Resources*



*BBC Changing  
Materials*



*Properties of  
Materials Quiz*

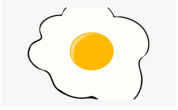
## *You could make...*

*Some food at home that involves baking. observe how the ingredients change state during each phase.*

*You could also make ice lollies, and discuss what happens to the liquid when it freezes.*

## Reversible and irreversible changes

Circle the pictures of the irreversible changes.



Explain in your own words what the difference is between reversible and irreversible changes.

## Material hunt!

Try to find an example of each item in the table listed below. Fill in the table based on the item's properties (e.g a tick if it is soft, a cross if it is not). Once you have completed the table, note down what you notice about why certain materials have specific properties.

Property \ Item	Hard	Soft	Transparent	Bendy	Rigid	Stretchy	Waterproof
Mug							
Chair							
Towel							
Pencil							
Door							
Ruler							
Gloves							
Salt Pot							
Shoe lace							