

## Chacewater School – LEAP Into Learning – Spring 1– Red Oaks SCIENCE: Properties and changes of materials



What we might already know:

Fo identify and compare the suitability of a variety of everyday materials (Y1&2)

The difference between solid, liquids and gases (Y4)

What is a solution?

evaporation – used for

separating a soluble

solid and a liquid

sieving - used for

separating two solids

## **Key Knowledge:**

Different materials are suitable for different jobs because of their qualities and properties.

How could you describe different materials?

Identifying, Classifying and Grouping \_\_\_\_\_\_

**Irreversible changes** are when you cannot get the original materials back again.

Heating and chemical reactions can both cause irreversible changes.

For example: when a piece of wood is burned to form ash. It cannot be made wood again.

A **solution** is made when a material **dissolve**s in a liquid.

Sugar and salt are soluble materials.

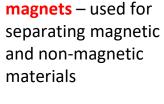


An **insoluble** material does not dissolve in liquid, such as sand.

Can you identify the best methods to separate mixtures?







filtration – used for separating a liquid and a solid









frozen back to ice again.

Reversible changes are when

For example: when ice melts

to form water. It could be

you can get the original

Can all changes be reversed?

materials back.

• hard • soft • durable flexible transparent absorbent waterproof

magnetic

opaque

translucent