St Peter's Roman Catholic Primary School

Science Year 5 Autumn

Material Properties (reversible and irreversible changes).

What is this topic about? We will categorise material changes into reversible or irreversible. Reversible changes are freezing, melting, boiling, evaporating, condensing and dissolving. Irreversible changes are cooking, reactions caused when some materials are mixed and new materials are created plus burning, rusting.



I will show my scientific skills by…

- **Observing** and **comparing** changes that take place.
- **Explaining** how we know when a change is reversible.
- **Observing** and **comparing** the changes that take place, for example, when burning different materials or baking bread or cakes.
- **Researching** and **discussing** how chemical changes have an impact on our lives, for example cooking.
- **Discuss [research]** the creative use of new materials such as polymers, super-sticky and super-thin materials.
- **Explain** how they know when a change is reversible or irreversible.
- **Explain** how an experiment is fair.

At the end of the Topic I will know…

- A reversible change is a change that can be changed back again.
- An irreversible change is a change that cannot be changed back.
- Evaporation turns a liquid to a gas.
- Condensation turns a gas to a liquid.

KEY VOCABULARY

dissolved, undissolved, solution, mixture, filter, sieve, evaporate, condense, melting, separate, reversible, irreversible, reaction, product, material, powder, substance, acid, change, burning, rusting.