



Year Groups 5 and 6

Monday 4th May 2020

Subject: Science - Properties and Changes of Materials

Lo: I can identify and explain irreversible chemical changes.

Prior learning: Children will have learnt about changes of state in Year 4. You will have learnt about reversible changes in last weeks lesson


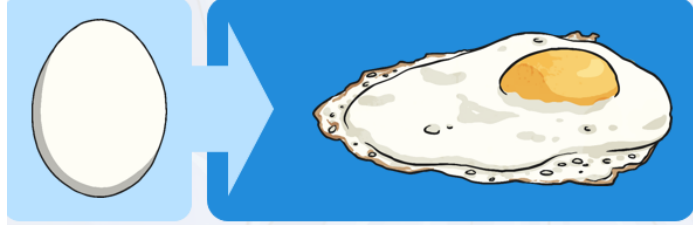
The children will have learnt about magnets, solids, liquids and evaporation in previous years. Last weeks dissolving lesson.

Key Vocabulary: reversible, irreversible, physical, chemical, reaction, reactant, product.

Watch these video clips to help you complete the work on Purple Mash. This is in your 2 dos -
Science lesson 3

<https://www.bbc.co.uk/bitesize/clips/zrkc87h>

<https://www.bbc.co.uk/bitesize/clips/z9wkjxs>

<p>The heat causes an irreversible chemical change to occur. The cooked egg cannot be cooled and turned back into a raw egg. It is a chemical change because a new product has been made, and irreversible because it cannot be changed back.</p>	<p>Melting, freezing, evaporating, condensing and dissolving are examples of reversible physical changes.</p>  <p>These are physical changes because no new materials are created. They are reversible changes because they can be changed back or reversed.</p>	<p>Chemical changes involve reactants and products. The reactants are the materials that you start off with, before the chemical change happens. The products are the materials that are formed in the chemical change.</p> <p>What was the reactant and what was the product in the egg example? What caused the chemical change?</p> 
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Learning for Life