

Holy Family Catholic Primary School Cronton



Year 5: Science Summer Term 3	Unit: 3 & Unit 4 Get Sorted and Everyday Materials(2 units)	Theme: Properties and Changes of materials. Vocabulary	
What I should already know:	What I will know by the end of the unit:		
materials and being able to compare and group materials on the basis of these properties.to magnets.* How materials are suitably used based on their properties.*I know that some materials will dissolve in liquid* Some materials which are magnetic.substance from a solution.* How shapes of solid objects can be changed bygases to decide how mixtures might be separated,	materials on the basis of their properties, conductivity (electrical and thermal), and response to magnets.	Condensation	Small drops of water which form when water vapour or steam touches a cold surface, such as a window.
		Conductor	A material or substance that electricity or heat can pass through or travel along.
	Evaporation	When a liquid turns in to a gas e.g. water in to water vapour.	
	Filtering	A device used to remove dirt or other solids from liquids or gases. A filter can be made of paper, charcoal, or other material with tiny holes in it.	
squashing, bending, twisting and stretching. * Materials that are solids, liquids and gases and their particle structure.	laterials that are solids, liquids and gases and evaporating.	Freezing	When a liquid turns in to a solid e.g. water to ice.
ome materials change state when they are comparative and fair tests, for the particular uses	Insulator	Something which does not conduct heat or electricity.	
heated or cooled and the temperature at which this happens.	 happens. elting, evaporation and condensation are in water cycle and the role temperature has on rate of evaporation. us scientist-Spencer Silver & Arthur Fry ncer Ferguson Silver III (February 941 – May 8, 2021) was an erican chemist and inventor who cialized in adhesives. hur Fry (born 19 August 1931) is an American inventor and scientist. He is credited as the co-creator of the Post-it Note, an item of office stationery. As of 2006, Post-it products are sold in more than plastic. *I can demonstrate that dissolving, mixing and changes of state are reversible changes; *I can explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. Key Fact Thermal properties of materials Materials which are good thermal conductors allow heat to move through them easily. 	Irreversible changes	When it is impossible to change something back in to its original state.
the water cycle and the role temperature has on		Melting	When a solid is turned in to a liquid e.g. ice to water.
the rate of evaporation. Focus scientist-Spencer Silver & Arthur Fry		Particle	A small piece or tiny amount of something.
Spencer Ferguson Silver III (February 6, 1941 – May 8, 2021) was an		Reversible changes	When you can change something back in to its original state.
the co-creator of the Post-it Note , an item of office stationery. As of 2006,		Sieving	Removing unwanted items by putting it through a sieve.
		Solution	When two or more substances are combined
		Transparent	You can see through the object