Science Key Vocabulary		Properties of Materials		Year 5		
		Key Knowledge				
WORD	DEFINITION	Different materials are used for particular jobs based on their properties: electrical conductivity, flexibility, hardness, insulators, magnetism, solubility, thermal conductivity, transparency. Properties of Materials Sieving - Smaller materials are able to fall through the holes in the				
Conduction	heat moving from one object to another through contact					
Conductive	a material that allows heat and/or electricity to pass through it	conducts energy		sieve, separating them from larger particles. Filtering - The solid particles will get caught in the filter paper but the liquid will be able to get through. Dissolving - A solution is made when solid particles are mixed with		
Dissolve	to mix with a liquid and become part of the liquid	insulates energy	950			
Evaporation	the process where a liquid changes into a gas	transparent	12.45	liquid particles. Materials that will dissolve are known as soluble.		
Filtering	the separation of a mixture using a tool with small holes to separate particles	waterproof	Materials that won't dissolve are with the particles don't dissolve.	Materials that won't dissolve are known as insoluble. A suspension is when the particles don't dissolve. Irreversible changes often result in a new product being made from the old materials (reactants). For example, burning wood produces ash. Mixing vinegar and milk produces casein plastic.		
Force	when an object is acted upon by a pull or push motion in a specific direction	durable (strong)	4.250 ·			
Hardness	Hardness – resistance to scratching and pressure	magnetic				
Magnetic	material that is attracted to a magnet	N2 2000		Normal Statements		
Solute	a substance that can be dissolved in a liquid					
Solvent	a substance that can dissolve in a solute, water is a solvent	solid particles	liquid particles	gas particles		
Substance	any material, such as sugar					
Thermal	using or producing heat					



Everyday Materials

Metal saucepans conduct heat to warm food.



Wooden spoons and plastic handles insulate heat so hands do not get burned.

