Use of EVERYDAY MATERIALS

What you shou		Properties of Materials					
	 -Materials are the <u>substances</u> that things are made from. -We use lots of different materials every day, e.g. metal, plastic, wood, and glass. -Different materials have certain properties, e.g. glass is see-through, metal is strong and often shiny, etc. -Composites are made from two or more materials together. Some materials are used to make many things. 		Material	Image	Properties	What could it be used for?	
			Metal		-Metals are often strong, shiny, hard and long-lasting. -Metals can be hammered into different shapes.	-Metals can be made into things like pots and pans. -Metals can stretched into wires and rods.	
			Glass		-Glass can be strong, but thin glass shatters. -Glass is transparent and waterproof. It can be made into different shapes.	-Glass is most often used to make windows and glasses. -It is also used in making mirrors	
			Wood		-Wood is hard and strong; -Wood is long-lasting and is a natural product. -Wood is flammable.	-Wood is often used to build furniture, like benches and desks. -Wood can be used to build houses and cabins.	
Development of Materials			Plastic		-Plastics can be tough or flexible and can be made into any shape. Plastics can be dyed different colours and can be made transparent.	-Plastics can be used to make packaging, bottles and toys. -Plastics can be moulded into plates, knives and forks.	
-John Dunlop is famous for developing the -He did this, at first, to improve the tyres of -He used his understanding of rubber to fit used an inflated tube of sheet rubber to blo	A	Rubber	0	-Rubber is extremely tough, but also very flexible. -Rubber is elastic and also waterproof. Rubber doesn't tear easily.	-Not including food and drinks, water is still used in many, many products. For example, it is used in making paints, toothpastes, shampoos and cement.		
Charles Macintosh -Charles Macintosh is best known for invent -He discovered a way in which rubber coul	25%	Brick	6-2-5-2-5-C	-Bricks are very hard and strong. They are difficult to break. Bricks are thick and store heat well.	-Bricks are normally attached together with mortar and are used to make buildings. -They are also used for paving.		
of cloth, to make it waterproof. -His name lives on today – a raincoat is often called a Macintosh or Mac. John McAdam -John McAdam was the first person to think of tarmac roads. -Roads used to be made from clay, earth, or chalk, but these materials were messy and not very smooth. -He spread hot tarmac on a road, adding lime chippings & flattening.			Paper		-Paper is often thin and can be made into lots of different shapes. Paper can be torn. It goes soggy when wet. Paper is us		
			Cardboard		-Cardboard is often thin but is firmer and tougher than paper. Cardboard is more difficult to tear. It goes soggy when wet.	-Cardboard is often turned into boxes and is then used for packaging items. It can be used for protection, e.g. protecting floors when painting.	

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Hard	Squashy	Smooth	Absorbent	Bumpy	Bouncy	Dull	Flexible	Flammable	Translucent

Assessment Question: Why are different 😽 🐤 materials used for different purposes?



Waterproof

Firm

Soft