

# Selby Community Primary School Subject Knowledge Bank

Science		Year 2	
Focus: Use of everyday materials			
Age related vocabulary			
<b>habitat</b>	The natural home or environment of a plant or animal.	<b>temperature</b>	How hot or cold something is.
<b>micro-habitat</b>	A smaller natural home or environment of a plant or animal that is within a larger habitat.	<b>offspring</b>	An animal's young.
<b>food chain</b>	How each living thing gets food, and how nutrients and energy are passed from creature to creature.	<b>material</b>	What something is or can be made from.
<b>germination</b>	When a seed starts to grow.	<b>transparent</b>	Allows light to pass through, is see through.
<b>bulb</b>	A plant bud that begins to grow underground.	<b>opaque</b>	Does not allow light to pass through.
<b>seed</b>	What a plant produces in order for it to reproduce given the right conditions.	<b>hygiene</b>	Conditions to maintain health and prevent disease through cleanliness.
<b>properties</b>	What materials can do or are like bend or be strong	<b>translucent</b>	Allows some light through but is not see through.



## Key Knowledge

Materials are used to make everyday things. Some examples of materials are: wood, glass, plastic and metal. When we talk about what materials look like and can do we are talking about their properties. If a material is see-through we describe it as transparent, if it lets some light through but isn't see-through we describe it as translucent and if it doesn't let any light through we call it opaque.

The different properties of materials mean that they can be used for different jobs. For example some materials are waterproof and can be used for things like coats and bags, some materials are bendy and can be used for things like books or cables.

The same types of materials can have different properties for example both food packaging and rulers are made from plastic, food packaging is bendy and rulers are stiffer.

Some people have developed new materials for a specific job like Charles Macintosh who invented waterproof fabric and John Boyd Dunlop who created inflatable tires.