

PROPERTIES OF MATERIALS	Pupil RAG	
	Before	After
To be emerging I must show...		
I can spot similarities and differences in different materials		
I can tell you the 3 states of matter		
I can compare and group materials together, according to whether they are solids, liquids or gases.		
To be developing I must show...		
I can give particular uses of everyday materials, including metals, wood and plastic		
I can give you some of the properties of the 3 states of matter		
I can test whether a material will dissolve in water		
I can state some reversible and irreversible changes		
To be secure I must show...		
I can compare and group together everyday materials based on evidence from comparative and fair tests.		
I can give reasons for the particular uses of everyday materials, including metals, wood and plastic		
I can describe the characteristics of the states of matter and group materials on this basis.		
I can use knowledge of solids, liquids and gases to decide how mixtures might be separated		
I can explain what happens when dissolving occurs and describe how to recover a substance from a solution.		
I can explain that some changes result in the formation of new materials, and is not usually reversible.		
I can describe how materials change state at different temperatures and use this to explain the water cycle.		
To be mastering I must show...		
I can describe the different states of matter in terms of particle model		
I can explain simple techniques for separating mixtures: filtration, evaporation, distillation and chromatography		
I can explain changes of state in terms of particle model		