















Science Autumn 2: Properties of Materials - Materials Consultants

Science Vocabulary

Opinion/fact	comparative	fair test	scatter graph	reasoning
insulator	conductor	thermal	prediction	line graph
property	scatter graph	transparent	opaque	absorption
scatter graph	comparable	fair test	strength	hardness
scientific diagram	acoustic absorption	electrical conductor	electrical insulator	porous/non-porous
limitations	enquiry	bar graph	fair test	material

● I don't know yet
 ● I know what it means
 ● I can use it in a sentence

Lesson	Learning Objective	Science LO	AfL
1	LO: To match key properties of materials to possible uses, giving reasons (Y5) LO: To suggest key properties of materials and possible uses, giving reasons (Y6) LO: To record information in a table (Y5 & 6)	 	
2	LO: To plan and carry out an investigation on given materials to explore thermal insulating properties (Y5 & 6) LO: To record findings, identifying the best materials for keeping things hot or cold (Y5 & 6) LO: To suggest further investigations and predict likely outcomes of these (Y6)	 	
3	LO: To plan, set up and present findings from an investigation into paper strength (Y5 & 6) LO: To research glass and plastic as jar materials and identify their properties and uses (Y5 & 6)	 	
4	LO: To plan, set up and present findings from an investigation into paper strength (Y5 & 6) LO: To research glass and plastic as jar materials and identify their properties and uses (Y5 & 6)	 	
5	LO: To plan and set up investigations to test a range of materials for electrical conductivity (Y5 & 6) LO: To record and present findings in a suitable graph/table (Y5 & 6)	 	
6	LO: To plan, carry out and record findings from an investigation into soundproofing properties (Y5 & 6) LO: To create a labelled diagram outlining findings, conclusions (Y5 & 6) and limitations (Y6)	