

Reception – Materials					
National Curriculum Objectives		Sticky Knowledge		Vocabulary	
In Early Years children should: • be able to ask questions about the place they live. • Talk about why things happen and how things work. • Discuss the things they have observed such as natural and found objects. • Manipulates materials to achieve a planned effect.		• There are lots of different materials that things are made from. • All materials have names and we use those names to describe the material. • Materials have special properties that mean they are good for making certain things. • We can melt ice and freeze water. • Warming things makes them melt and cooling them can freeze them. • Some objects float and some sink.		Paper, wood, plastic, metal, hard/soft, bendy/not bendy, smooth/rough, strong/weak	
				Key Scientists	Linked Texts
				Isambard Kingdom Brunel (engineer – railways)	Fairytales - <i>Gingerbread Man, Jack and the Beanstalk, Three Little Pigs, Little Red Riding Hood, Three Billy Goats Gruff and Goldilocks</i> Supertato <i>(Sue Hendra and Paul Linnet)</i> Runaway Pea <i>(Kajartan Poskitt)</i>
Prior Learning		Key Question(s):		Future Learning	
		• What are the things around us made from? • How can we change the water to ice? • How do you know if something is floating or sinking? • Which objects are our classroom are strong?		In Year 1 children will: • Distinguish between an object and the material from which it is made. • Identify and name a variety of everyday materials, including wood, metal, plastic, glass, water and rock, • Describe the simple physical properties of a variety of everyday materials. • Compare and group together a variety of everyday materials based on their simple properties	
Teaching Ideas					
Comparative tests	Identify & Classify	Observation over time	Pattern Seeking	Research	BIG Question – Assessment Opportunity
Which material will create the strongest bridge? Which material would be best for the roof of the little pig’s house? 	Which materials will float and which will sink? How can we melt the ice? 	What happens when we paint the wall with water? 	How do materials change when submerged in water? 	What materials can you find in the outdoor environment? Which are natural and which have been made by people? 	