‘Key Sheet’ – Materials Cycle A (link 3 Little Pigs)

Year Group: 1 and 2

Key Content	Key Skills
• Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching • Distinguish between an object and the material from which it is made identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock • Describe the simple physical properties of a variety of everyday materials • Compare and group together a variety of everyday materials on the basis of their simple physical properties. • Find out about people who have developed useful new materials, for example John Dunlop, Charles Macintosh • Pupils should think about the properties of materials that make them suitable or unsuitable for particular purposes. For example designing a new house for the three little pigs. • **Investigating materials for the 3 little pigs windows and roof.** • **Investigating which material is best to clean up a spill.** • **Which materials will stretch?**	• Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. • Distinguish between an object and the material from which it is made. • Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. • Describe the simple physical properties of a variety of everyday materials. • Compare and group together a variety of everyday materials on the basis of their simple physical properties.
Key Questions	**Key Vocabulary**

• Is this natural or manmade? • What material should I use to clean up this mess? • Is it ok to be made out of plastic? • Can I change the shape of this material? <u>Focus for year 1s</u> • What materials are in the classroom/school/my home? • What are the properties of these materials? • What is similar and different about these materials?	• **Natural, manmade** • Scientist, **inventor** <u>The following vocabulary is taught to year1s and recapped in year 2.</u> • hard/soft; stretchy/stiff; shiny/dull; rough/smooth; bendy/not bendy; waterproof/not • waterproof; absorbent/not absorbent; opaque/transparent brick, paper, fabrics, elastic, foil, wood, plastic, glass, metal, water, and rock