Knowledge Organiser

Science Year 2 Summer 2

Materials

Previous learning:

- Senses, feeling things (EYFS Autumn 1)
- Changes in state (EYFS Autumn 2 and Spring 1)
- Exploring materials (EYFS Summer 2)
- Materials (Year 1 Spring 2)

Key Vocabulary	Objectives	Key Knowledge
	taken from Progression Document	
suitability,	Identify and compare the suitability of a variety of everyday	All objects are made of one or more materials that are
stretch,	materials, including wood, metal, plastic, glass, brick, rock,	chosen specifically because they have suitable
flexible,	paper and cardboard for particular uses.	properties for the task.
rigid,		
John McAdam,	Find out how the shapes of solid objects made from some	Understand that some materials can be changed.
Charles Macintosh	materials can be changed by squashing, bending, twisting	
	and stretching.	Understand the suitability of materials for different objects.
	Some materials can be found naturally; others have to be	
	made.	Identify and compare materials.

Working Scientifically

TAPS Assessment (Choose most suitable) **Materials: Rocket Mice** Do: Perform simple tests to answer questions

Concept context Can link to materials (properties, uses, changing shape) or forces TAPS Assessment (Choose most suitable) **Materials: Boat** Describe what they have found out and use their results to make comparisons

Concept context Properties of materials relating to their uses

TAPS Assessment (Choose most suitable) **Materials: Waterproof** Plan: Ask simple questions and recognise that they can be answered in different ways

Concept context

Use knowledge and understanding of properties of materials to compare suitability for different uses

Possible opportunities:

Classifying

• Based on the children's own criteria, classify materials e.g. samples of wood, metal, plastic, etc.

Comparative/Fair Testing

• Test materials for different uses (e.g. Which material can you use to make an aeroplane? Which fabric would you use for curtains? Which materials are best for Cinderella's mop? Which fabric would you choose for Elastigirl's costume? Which paper can be used for a book, fabrics for a child's dungarees, materials for aeroplanes etc?)