EDEN Academy Trust
Working together to make a difference

Science Curriculum – Cycle B
Key Stage 1 – Spring 1

Theme – Everyday materials and their uses (Chemistry)

Enquiry Question – What is it made from and how is it suitable?

National Curriculum Coverage

Pupils should be taught to:
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.

Key Scientists:	**Comparative Test**	**Observation over time**	**Pattern Seeking**	**Research**
John Dunlop	Which material is best to make an umbrella?	What happens to different material flowers when placed in water?	Is there a pattern in the types of materials that are used to make objects in the school?	Who was John Dunlop and what did he discover?

Objective	Challenge	Working Scientifically	Vocabulary
• To name a variety of everyday materials - wood, metal, plastic, glass, brick, rock, paper, cardboard • To classify materials based on their properties and uses • To identify the suitability of materials for particular uses - To know that some materials can be used for more than one thing - To know that some materials may be suitable/unsuitable for particular purposes based on their properties • To compare the suitability of materials for particular uses • To know how the shapes of solid objects can be changed - squashing, bending, twisting and stretching.	• To describe the properties of materials • To sort materials into groups and say why they have sorted them in that way • To say which materials are natural and which are man-made. • To find out about people who developed useful new materials (John Dunlop) • To say which materials cannot be changed back after being squashed, bent, stretched or twisted **or own challenges*	See separate objectives sheet.	Wood, metal, plastic, glass, brick, rock, paper, cardboard, squashing, bending, twisting, stretching, properties, compare, classify, suitable/unsuitable

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