



# St. Francis Xavier's RC Primary School

## Science Unit Guidance and Formative Assessment

<b>Year Group:</b>	<b>2 Autumn 2</b>	<b>Subject:</b>	<b>Science</b>
<b>Unit:</b>	Materials	<b>Prerequisite Learning and Curriculum Links</b>	<p><b>EYFS ELG The Natural World</b> Explore the natural world around them, making observations and drawing pictures of animals and plants; know some similarities and differences between the natural world around them and contrasting environments; understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</p> <p><b>Exploring and Using Media and Materials:</b> To use and explore a range of materials, experimenting with form, texture and function.</p> <p><b>Y1:</b> name and classify materials into different groups</p> <p><b>Curriculum links in Year 2</b></p> <p><b>Design Technology:</b> create a house using different materials</p>

### ROCKS (Remembering Our Curriculum Knowledge and Skills)

Identify the uses of everyday materials, including within our school

Change the shape of materials using bending, squashing, twisting and stretching

Compare which materials are most suitable for a given purpose

Recall which materials can be reused or recycled

#### Progressive Journey:

Describe the properties of different materials, such as flexible and transparent  
 Recall the name of the object, material and its purpose  
 Recognise that some objects, such as spoons can be made out of many different materials such as metal, plastic or wood  
 Record which materials can be observed around our school  
 Experiment with which materials can change shape  
 Evaluate the suitability of materials and their properties  
 Learn about the recycling process and use of recycling bins  
 Research a scientist (John McAdam) who created a new material

#### Skills:

Classify objects based on their properties or purposes  
 Use scientific language to describe materials such as 'transparent'  
 Evaluate the effectiveness of materials  
 Observe the local environment closely  
 Record findings and data using tally charts and tables

#### Key Vocabulary

Identify, materials, wood, plastic, glass, metal, rock, brick, paper, cardboard, uses, used, properties, hard, soft, stretchy, stiff, shiny, dull, rough, smooth, bendy, not bendy, absorbent, not absorbent, waterproof, not waterproof, transparent, opaque, observations, record, classify, group, similar, safe, unusual, compare, suitability, suitable, unsuitable, purpose, change, squashing, bending, twisting, stretching, squash, bend, twist, stretch, tarmac, road, surface.