Uses of Everyday Materials

Year 2

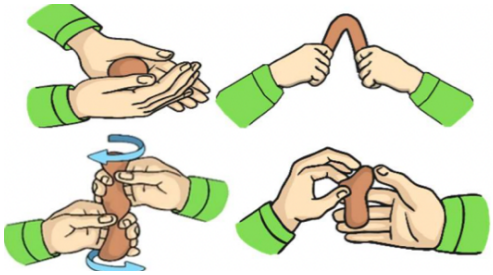
Chemistry

Review: What should I already know?

- I know the names of different materials such as wood plastic, glass and metal.(Year 1)
- I know about properties of everyday materials. (Year 1)

Essential knowledge

- I will understand how materials can be changed by squashing, bending, twisting and stretching.



- Using my knowledge of properties, I will be able to explain why a material might or might not be used for a specific job.
- I will identify and compare the suitability of a variety of everyday materials for particular uses

Vocabulary	
Chemistry	Chemistry is all about materials and how they change.
Working Scientifically	is all about working like a scientist to answer scientific questions.

Materials	Materials are what things are made from.
Properties	A way of describing how a material looks, feels or acts.
Suitable	Right for the situation or purpose.
Purpose	Something's job.
Bend	To force something that is straight into a curve.
Squash	To push something together so that it changes shape.
Stretch	To pull something and make it longer
Twist	To turn something that is still

Our enquiry focus:				
Observing Changes Over Time	**Pattern Seeking**	**Identifying, Grouping & Classifying**	Fair Testing	Research

Skills I will need:

- I will compare materials found in different and familiar areas.
- I will observe, identify and classify materials based on their uses.
- I will record my observations.

Working Scientifically

Year 2

Chemistry

Review: What should I already know?

- I know about properties of everyday materials. (Year 1)
- I will understand how materials can be changed by squashing, bending, twisting and stretching. (Year 2)
- I can explain why a material might or might not be used for a specific job. (Year 2)

Essential knowledge

- I will be able to use my knowledge of materials to perform an enquiry.
- I will be able to identify when a simple test is fair.
- I will be able to perform an enquiry by myself.
- I will be able to show my findings in a simple chart.
- I will be able to say if what I found is what I expected or not.

Vocabulary	
Chemistry	Chemistry is all about materials and how they change.
Working Scientifically	is all about working like a scientist to answer scientific questions.

Enquiry	To ask a question
Predict	To make a sensible guess about the future.
Fair test	Only changing one thing so we know it is fair.
Change	To be different
Observe	To see or watch
Record	To write down what has been found.
Report	Explain my findings.

Our enquiry focuses:				
Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	Fair Testing	Research

Skills I will need:

- I will answer simple questions in different ways by using different types of scientific enquiry.
- I will know when a simple test is unfair.
- I will make a simple prediction.
- I will make a simple chart/block graph with 1:1 scale.
- I will interpret my observations to suggest an answer to my questions.