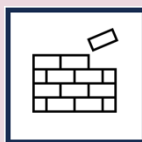


# Chemistry

## Uses of everyday materials



Materials



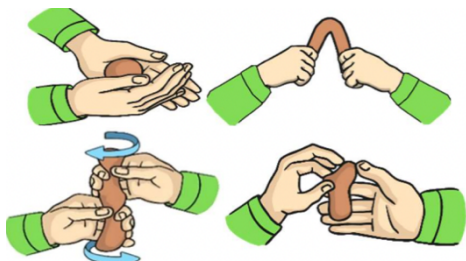
Year 2 - Autumn 1

### What should I already know?

- I know the names of different materials. (Year 1)
- I know about properties of everyday materials. (Year 1)

### What will I learn?

- 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.

### Vocabulary

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
Rigid	Not able to change shape easily
Flexible	Able to change shape easily
Fragile	Can be broken easily
Strong	Cannot be broken easily
Suitable	Right for the situation or purpose.
Purpose	Something's job.



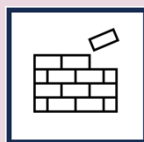
### What is our enquiry type?

Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	Fair Testing	Research
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### Working scientifically skills.

How will I be a scientist?

PLAN		PLAN		REVIEW	
<b>Observe</b> 	I will <b>observe</b> how different materials can be changed through squashing, bending, twisting and stretching. From this, I can <b>group</b> them and <b>classify</b> their properties.	<b>Record</b> 	I will go on a material hunt and <b>record</b> my findings. I will use my recordings to help discuss the <b>suitability</b> of the material to each object found.	<b>Report</b> 	I will report upon the findings of my material hunt and say how a material is <b>suit</b> ed to its purpose because of its <b>prop</b> erties.



### What should I already know?

- I know the names of different materials. (Year 1)
- I can explain why a material might or might not be used for a specific job. (Year 2)

### What will I learn?

- 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.

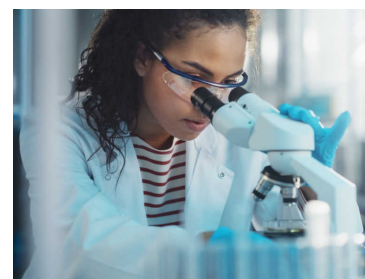
### Vocabulary

Working scientifically	Asking big questions and setting up an enquiry to find the answer.
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.



### What is our enquiry type?

Observing Changes Over Time	Pattern Seeking	Identifying, Grouping & Classifying	<b>Fair Testing</b>	Research
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### Working scientifically skills.

How will I be a scientist?

PLAN		DO	
<b>Ask Questions</b> 	I will <b>ask questions</b> about the <b>suitability</b> of a material and select sensible materials to test.	<b>Record</b> 	I will <b>record</b> my data in a simple chart, block graph, pictogram or table.
DO		REVIEW	
<b>Set Up</b> 	I will <b>set up</b> my enquiry to test which material would be most suitable for a job.	<b>Report</b> 	I will be able to <b>explain</b> what I have found and use my findings to design my own product using the most suitable materials.