Science- Year 2

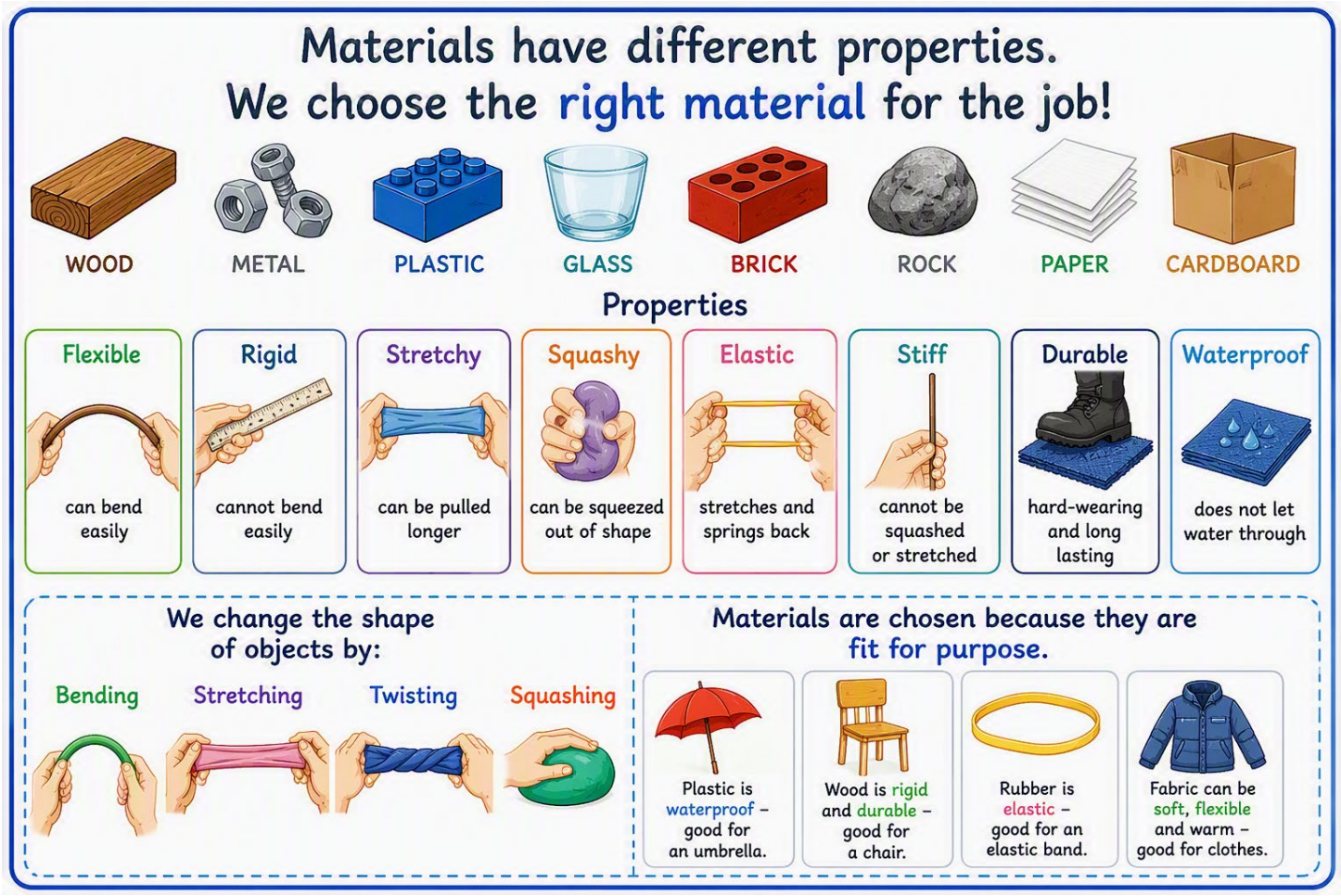
Autumn 2– Materials: Good choices and Shaping up

In Science, I have learnt:
To name and identify a range of materials and that these materials can be made into a range of objects.
To use venn diagrams to sort and classify the materials.
To make predictions about which fabrics will be waterproof and what will happen to a material after it has been stretched.
To carry out a fair test and talk about what is being changed in my experiment and what is staying the same.
To observe closely using a magnifying glass and make measurements using a strip of paper as a unit of measure.
To gather and record data in a table to help in answering questions.

wood, wooden, plastic, metal, glass, water, rock, brick, paper, hard, soft, fluffy, rough, smooth, shiny, dull, light, heavy, harder, lighter, rougher, stretch, stretchy, elastic, stiff, bend, bendy, not bendy.

I can explain **why different materials are used for different objects.**
I can describe materials using **properties** such as **flexible, rigid, stretchy, squashy and durable.**
I can explain whether a material is **fit for purpose.**
I can explain **how objects can be changed** by **bending, stretching, twisting and squashing.**

<u>Working Scientifically</u>
I can group objects by the material they are made from and their properties.
I can make predictions and explain my ideas.
I can carry out simple tests and observations.
I can record my results in a table.
I can use my results to draw conclusions.
I can use evidence to decide which material is best for a particular use.



Glossary

Absorbent 💧 – takes in liquid

Bend ↩️ – changes from straight to curved

Bouncy ⚽ – springs back after hitting a surface

Comparative Test ⚖️ – compares different materials or objects

Durable 🦺 – hard-wearing and does not damage easily

Elastic 🏹 – stretches and returns to its original shape

Enquiry 🔍 – a way of finding answers in science

Fair Test ✅ – only one thing is changed

Flexible 🤸 – bends easily without breaking

Material 🧱 – what an object is made from

Measure 📏 – find an exact size, length or height

Observe 👀 – look carefully to notice details

Opaque 🟫 – cannot be seen through

Property ⭐ – describes what a material is like

Rigid 🧊 – cannot bend easily

Squashy 🧽 – can be squeezed out of shape

Stretchy ↔ – can be pulled longer without breaking

Transparent 🔍 – can be seen through

Waterproof ☔ – does not let water pass through it