



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 everyday materials (including wood, metal, plastic, glass, brick, rock, paper and cardboard) are used for different things.

I can find out how the shapes of objects can be changed by squashing, bending, twisting and stretching.

Working Scientifically

I can group different objects based on what they are made from and their properties.

I can make predictions about which fabrics will be the most durable based on my experience.

I can put my results in a table. I am beginning to suggest my own table headings.

I can use my results to draw a conclusion, saying whether my prediction was correct.

I can use my results to suggest the best uses for different materials e.g. in lesson 4, what material would be best to make a head band?

Scientific enquiry type:

Grouping and classifying.

New Science words:

Property, fabric, rigid, shiny, dull, breaks, fold, crease, **waterproof**, **absorb**, **absorbent**, wet, sunglasses, lenses, light, block, transparent, opaque, translucent, strength, strong, weak, Dungarees, cotton, denim, fleece, jersey, nylon, **hardwearing**, **test**, **record**, **results**, squash, bend, **twist**, **stretch**, Venn diagram, **flexible**, rigid, stretchy, squashy, elastic, stiff, **elastic**, stiff, material

