

Science Knowledge Organiser – Materials

What will we learn?

Week 1: Can we explore and sort different materials?

Week 2: What different materials are man made or natural?

Week 3: Can we investigate how different materials can change shapes and some cannot?

Week 4: Can we compare the similarities and differences of metal and plastic?

Week 5: Can we identify what different products are made out of wood?

Week 6: Can we explore the effectiveness of different materials to make the same product?

Week 7: How can we identify material inventions and discoveries?

What could I do at home?



Reduce, reuse, recycle! Instead of throwing your rubbish straight in the bin, have a go at recycling your materials! Can you make a rocket out of a washing-up bottle? What about plant pot out of a tin? There are lots of exciting ways to reuse your everyday materials!

Sticky Knowledge

Wood



Wood is used to make buildings and furniture and making fires and heating.

Plastic



Plastics are used to make many things we use in everyday life like toys, bicycle helmets, and many other common items.

Metal



When heated metals can be shaped into anything from a tiny paperclip to a huge aircraft.

Glass



Glass is a hard transparent material that can be made into any shapes.

Paper



Most of the paper or cardboard comes from trees.

Cardboard



Cardboard is a heavy type of paper, notable for its stiffness and durability.

Key Vocabulary

squashing

Squashing is pushing things closely together.



bending

Bending is changing the shape and direction of something.



twisting

To twist something, you move one part clockwise and the other part anticlockwise.



stretching

Stretching is to change shape by pulling it to make it longer or wider.



Books we are reading for pleasure or knowledge...

