

Knowledge Organiser

Year 2 Science - Use of Everyday Materials



all

What I should already know?

What different objects are made from?

Name everyday materials

Describe the physical properties of everyday materials

Compare and group together a variety of everyday
materials on the basis of their simple physical properties.

Working Scientifically-What could I investigate?

Which 3 material are the most important for a tent cover?
Which paper will be the best for mopping up the spillage?
How can we make the fabrics waterproof? Colour them in with wax crayon and repeat the investigation!

What I will know by the end of this unit?

I can identify a range of materials and describe their properties. I can describe, group and compare objects based on their materials or properties. I know different materials are suitable for different objects and their purpose. I know that waterproof fabric was invented by scientist Charles Macintosh. I know the difference between man-made materials and natural materials. I understand that some solid materials can change shape by twisting, stretching, bending and squashing. I can plan my own investigation around materials.

In Year 3 children will:

Compare and group together different kinds of rocks.

Observe how magnets attract or repel each other and attract some materials and not others

Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials

Vocabulary

Flexible, rigid, transparent, opaque, translucent, hard, soft, stretchy, absorbent, waterproof, inventor, rubber, fabric, nylon, cotton, mackintosh, investigate, twist, stretch, bend, squash.

Knowledge

Squash an object by pushing both hands together.





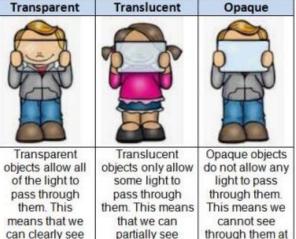
Stretch an object by pulling your

hands slowly and gently apart.

Bend an object by grabbing both

ends of the object and bringing

the ends inwards together.



through them.

through them.

polyester

Twist an object by turning your hands in opposite directions.



coal

cotton



Natural and Man-Made Materials

Natural Materials Man-Made Materials chalk sand organic oil concrete glass nylon leather iron gold paper synthetic rubber steel

wood

plastic

rayon

