


Topic: Science – Uses of Everyday Materials

Term: Spring 2

Year: Unit 2

Duration: 6 weeks

The Powerful Knowledge we will take away from this Learning Enquiry
(what will be learning):

	To be able to distinguish between an object and the material from which it is made.
	To be able to identify and compare the suitability of a variety of everyday materials for particular uses.
	To be able to identify the properties of different types of wood.
	To be able to test the flexibility of different plastics.
	To be able to identify how stretchy different materials are.
	To be able to identify a material that is good for stopping water.
?	To test the transparency of different objects.
	To be able to ask scientific questions.

Our Key Vocabulary:

Word	Meaning
Material	What an object is made from e.g., wood, plastic, glass, metal, water, rock.
Properties of materials	Hard/soft, shiny/dull, rough/smooth, heavy/light, transparent/opaque.
Natural material	A material that comes from animals, plants or the Earth.
Man-Made material	A material made by humans.
Recycle	To change rubbish into a material that can be used again.
Flexible	Can easily bend or change shape
Rigid	Cannot bend or change shape easily.
Brittle	Easily broken
Variable	Things that are changed in an experiment.
Waterproof	Does not allow water to pass through it.

Things can be made from the same material, but still look different,



What I already know:

Earlier this year, children will have explored a range of different materials and sorted them based on their properties. They will be familiar with working out what an item is made from, and also that an object could be made from more than one material.

Websites

This website is a great source of knowledge and activities that could be used to support your child's learning throughout this topic:

<https://www.theschoolrun.com/what-are-materials>

crash course kids - <https://www.youtube.com/watch?v=tGfLhPsIEjQ>

Working scientifically.





Plan	Do	Record	Review
			

Children will work through the steps above when carrying out simple tests and experiments.

We will be working scientifically to identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper, and cardboard for particular uses.

Ideas to bring the learning home.

Could you talk about the materials you have in the context of recycling?

Item	How You Recycled It	Tally	Total
 newspaper	 I put it in the blue bin.		
 grass cuttings	 I put them in the compost.		