


Topic: Science – Uses of Everyday Materials

Term: Spring 2

Year: Unit 2 years 1 & 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.

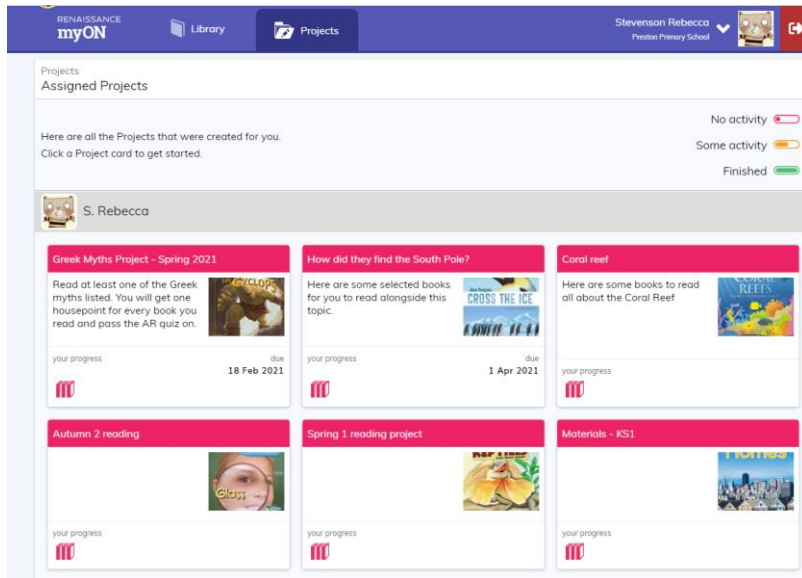
Our Key Vocabulary:

Word	Meaning
Material	The substance something is made from.
Property	property means a characteristic or trait that you can use to describe matter by observation, measurement, or combination.
Flexible	Can bend without breaking
Transparent	Light can travel through it, so we can see through it.
Elastic	Elastic materials can be stretched and when one stops pulling them, they return to their original shape (e.g. rubber and nylon).
Texture	the feel of a material is its texture.
Hardness	How hard or soft a material is.
Strength	A strong material is one that is difficult to break. In order to test strength we need to apply a force.

## Books and websites for further research:

We have assigned a reading project on MyOn based on books that will support learning this half term.

Log into MyOn, then select projects from the bar at the top. Here you will find the 'Materials – KS1' collection.



## 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>

## 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.		