





Halesowen C of E Primary School
Home Learning

DATE: 4th -7th May

YEAR GROUP: 1

SCIENCE FOCUS WEEK


THEME: Materials

DAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
QUESTION	Can you guess an object by using some of your senses?	What are your toys made from?	Would you make a towel using plastic?	Can an umbrella be made from paper?
ACTIVITIES	<p>https://www.youtube.com/watch?v=veUUiiU8-o</p> <p>Start by watching this video which will help you to begin to understand different materials and properties.</p> <p>Properties is what something is like. For example, this can include the size, colour and texture (feel) of an object. E.g. hard, soft, stretchy etc</p> <p>Material is the item that everything is made from. For example wood, leather, fabric, metal, plastic and rubber are all examples of materials.</p> <p>For today's activity find 7 different objects such as a</p>	<p>https://www.youtube.com/watch?v=xOKr462HLc0</p> <p>Listen to this song to get you ready for today's activity.</p>  <p>Today you are going to go on a scavenger hunt around your home. Find objects made from the following materials:</p> <ul style="list-style-type: none"> ● Metal ● Wood ● Fabric ● Glass 	<p>On the last page there is a list of materials with a short description. Read the information with an adult. Objects are made from materials that work best for their use.</p> <p>Miss Shahan has been thinking about some objects, the materials they are made from and their properties. Read the questions below, think about if she is right or wrong explain your answer to someone or write it down.</p> <p><i>Tea pots could be made from chocolate?</i></p> <p><i>Keys should be made from paper.</i></p> <p><i>Socks are made from soft fabric to keep our feet warm.</i></p> <p><i>Elastic bands are made from rubber so they can be stretched.</i></p>	 <p>What is an umbrella used for? When do we use umbrellas? If you have an umbrella at home, take it out and explore it. What material is on the outside of it, why do you think umbrellas are not made from paper? Inside an umbrella there is some metal, why is that there, what's the purpose?</p> <p>Have a go at making an umbrella out of paper or another material. Next time it</p>



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<p>sock, pen, spoon, remote control, anything you like! Play this game with an adult or older sibling:</p> <p>Cover your eyes, make sure you can't see! Ask the person playing with you to hold one of the objects in front of you or put it on a table/ floor. Use your sense of touch, smell and hearing to guess what the object is. Answer the following questions whilst guessing What does it feel like? What do you think it is made from? Does the object make a sound? Smell it, what does it smell like? Repeat this for the other objects. How many did you get right? After you have played, take your blindfold off and look carefully at the objects. Think about the materials, what are they made from? Can you sort the objects into groups based on their properties?</p>	<p>● Paper</p> <p>Now sort the objects into different groups. See if you can group them by their colour, their size and by how they feel (texture). Think about why the objects are made from certain materials. For example why do you think blankets are made from soft fabric?</p> <p>Explore your most favourite toy, what is it made from?</p> <p>Draw a picture of your favourite toy. Write why it's your favourite and what it is made from. Use your senses to describe the toy.</p> <p>Use different, old bits of materials to create a collage picture.</p>	<p>https://www.bbc.co.uk/bitesize/topics/zrssgk7/articles/z9pgcdm</p> <p>On this website there is an activity to explore a bedroom and investigate all the different materials objects are made from. After doing this, can you explore your bedroom; find different things in your room and think about what they are made from and why?</p> <p>Find a bath towel and a sponge. When do we use both these objects? Do they both have something in common? Use the internet to find the meaning of <i>absorb</i>. Miss Shahan thinks towels could be made from plastic. Investigate this at home to find out if she is right or wrong. Write an explanation about what you find out.</p> <p>Pretend you are a sponge. Role play what a sponge does, using the words to describe a sponges properties and use.</p>	<p>rains or using some water from the tap- use it to investigate if your umbrella is waterproof.</p> <p>Or you could try this challenge: Can you make a boat that floats? With an adult fill your bathroom or kitchen sink with water. Test different junk modelling materials to see if they float or sink. Make your own boat that floats. You could e-mail us a picture of your floating boat!</p>  <p>https://www.science-sparks.com/how-waterproof-is-it/</p> <p>Have a go at doing this experiment. Investigate which materials are waterproof by carefully wrapping some objects or</p>
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	 <p>https://www.youtube.com/watch?v=C4UICEMlo9k You could watch this to find out more about materials to help you over the next few days.</p>	<p>https://www.youtube.com/watch?v=jpEBv1GFte4 watch the story of the 3 little pigs. What did they use to build their houses? Which house was the strongest, why do you think this material was the strongest?</p> <p>Have a go at building 3 houses using different materials. Using a hair dryer if you have one, imagine that is the big bad wolf blowing down the house. Draw a picture or take a photo of your strongest house.</p>		<p>toys in different materials, for example foil or plastic bags. Predict (guess) if the water will get through the fabric and wet the object. Then carefully put them in water. Take it out from the water, unwrap and check if the object is still dry.</p>
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(Please not Friday would have been a bank holiday in school for VE Day so there is no learning scheduled for then- please see the website later this week for some VE day activities you can do together as a family should you want to)



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Wood		A hard substance that forms the branches and trunks of trees and can be used as a building material.
Plastic		An artificial substance that can be shaped when soft into many different forms and has many different uses.
Glass		A hard transparent material used to make windows, bottles and other objects.
Metal		A material that is generally hard and strong and through which electricity and heat can travel.