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| A picture containing room, clipart  Description automatically generated**Birklands Primary School – Autumn Term 1** |
| **Year:** 1 / 2 | **Topic:** Science  | **Question:** Could I build a school out of paper? |

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| This half term our topic will be ‘Could I build a school out of paper?’Metal, plastic, wood, glass... just some of the materials we use to make the things that surround us.  The knowledge organisers will give you an idea of the things we will be exploring throughout the topic. If you would like to build on the work we are doing in school, here are some ideas of things that you could do together. We would love to hear what you get up to. | **Activities you could do:*** **Material Hunt -** Go on an object hunt around your house. Look at what different items around the home are made from and why that might be?
* **Material Count** - See how many objects you can find in a minute that are made from a particular material (for example metal or wood)
* **Recycling -** Look into recycling and why we recycle materials. Which materials are recyclable and not? What happens to these materials?
* **Altering materials** - Find different objects around your house. Look at what materials they are made from and what are their properties e.g. does it bend/ squash/ twist/ stretch? How many materials can you alter?
* **Sorting materials -** Can you find items in your home to sort into the Venn diagram?

You could change the materials on the venn diagram to wood and glass etc  Metal Plastic* **Toy hunt** - Find different toys around your house. Look at what materials they are made from and what are their properties e.g. soft/ hard/ smooth/ bendy
* **Floating and sinking** - Can you test a range of materials to see if they float or sink in a bowl of water?
 | **Books you could read:*** Everyday Materials
* Amazing Science – Materials
* Twist it!
* Stretch it!
* Squash it!
* Paper
* Metal
* Plastic
* Wood
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| **See for yourself:*** Go on a local walk and see how many different materials you see
* Go to the library - carry out some research about materials e.g. Where do it come from? What are the properties of that material e.g. it is rough/ soft/ can it bend/ stretch? Which objects are made out of this material?
 | **Online activities:**How to identify materials?[**https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4**](https://www.bbc.co.uk/bitesize/topics/z4339j6/articles/zx8hhv4)Which materials do we use?[**https://www.bbc.co.uk/bitesize/topics/zrssgk7/articles/z9pgcdm**](https://www.bbc.co.uk/bitesize/topics/zrssgk7/articles/z9pgcdm)What should I do with my rubbish?[**https://www.bbc.co.uk/bitesize/topics/zrssgk7/articles/z9w26sg**](https://www.bbc.co.uk/bitesize/topics/zrssgk7/articles/z9w26sg)How a glass window is made[**https://www.bbc.co.uk/teach/class-clips-video/primary-science-how-glass\_is\_made/zm2tf4j**](https://www.bbc.co.uk/teach/class-clips-video/primary-science-how-glass_is_made/zm2tf4j)What materials are different objects made from?[**https://www.bbc.co.uk/bitesize/clips/zf7jmp3**](https://www.bbc.co.uk/bitesize/clips/zf7jmp3)Use of plastics [**https://www.bbc.co.uk/bitesize/clips/zsys34j**](https://www.bbc.co.uk/bitesize/clips/zsys34j)Materials game [**http://www.crickweb.co.uk/ks1science.html**](http://www.crickweb.co.uk/ks1science.html) |