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| Bramingham Primary School - Science Knowledge Organiser | |
| Topic: Using Everyday Materials | Year 2 |

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| What should I already know? |
| Objects are things that you can touch or see.   Objects are made from materials.   Some materials that objects are made from (e.g. glass, wood, plastic)  Some words to describe materials (e.g. shiny, soft, absorbent, rough)  Materials which are natural and which are man-made |

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| Vocabulary | |
| absorbent | material that soaks up liquid a lot |
| bendy | moves easily into another shape |
| brick | baked clay used to build houses |
| dull | not bright |
| elastic | a rubber material that stretches when you pull it and returns to its original size and shape when you let it go |
| fabrics | cloth or material such as cotton |
| foil | sheets of metal as thin as paper |
| glass | hard transparent material |
| man-made | things made by people |
| metal | hard material such as iron, steel, gold |
| natural | things not made by people |
| opaque | you cannot see through it |
| plastic | light manmade material |
| properties | features of a material |
| purpose | the reason for something |
| recyclable | waste or materials which can be used again |
| rigid | firm or does not bend easily |
| squash | pressed or crushed with such force that something loses its shape |
| suitable | something that is suitable for a particular purpose or occasion is right or acceptable for it |
| transparent | see through |
| twist | turn something to make a spiral shape |
| unsuitable | does not have the right properties for the purpose |
| waterproof | does not let water pass through it |
| wood | material from trees |

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| What will I learn about materials? |  | What will I learn about how suitable materials are for a particular use? |
| Materials are used for different purposes based on their properties.   For example, wood is used to make furniture and floors.  Metal can be used to make coins, cans, cars and cutlery. Glass can used to make windows. |  | Glass can used to make windows because it is transparent.   Rulers can be made from wood, plastic or rubber because these materials are smooth and can be cut straight.  Spoons are made from metal, because it is waterproof and can be cleaned easily.  They can also be made from plastic for children because plastic is light and it cannot hurt children’s growing teeth. |

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| What will I learn about how to change the shape and size of materials? |
| The shape and size of some materials can be changed when they are stretched, twisted, bent, squashed, cut, drilled. |