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| **Skills and Knowledge**  **Knowledge Organiser: Who Can You Make Out of Different Materials? Term: 2 Year group: 1/2** | | |
|  | **Question** | **Answer** |
| 1 | What are some names of some everyday materials? | Metal, plastic, wood, stone, fabric, ceramic, rubber, brick, glass, leather. |
| 2 | How can I distinguish between an object and the material it is made from? | See the source imageImage result for metalE.g. A table is an object and it is made from wood and metal. |
| 3 | What words can we use to describe the properties of some everyday materials? | Hard, soft, rough, smooth, thick, thin, opaque, transparent, translucent, absorbent, waterproof, rigid, flexible. |
| 4 | How can materials be compared and grouped, based on their physical properties? | Materials can be grouped and compared according to their properties. They can be grouped into hard/soft, rough/smooth, waterproof/absorbent, opaque/transparent/translucent. |
| 5 | How can materials be changed? | Some materials can be squashed, squeezed, bent, twisted or stretched. |
| 6 | What are some everyday materials used for? | See the source imageImage result for plastic bottlePlastic is used to make…Glass is used to make… Metal is used to make ….. |
| 7 | Which materials are suitable for different purposes? | Mens Hands Bending Metal Tube Vector Stock Vector (Royalty Free) 1513971191  | ShutterstockMetal is used to make**…because** it is strong, rigid and opaque. |
| 8 | Can I design a product which will use suitable materials? | I will use the materials…  These will be suitable because… |
| 9 | Can I make a product using suitable materials? | I will choose appropriate materials to make my design. |
| 10 | Can I cut and join materials using a range of techniques? | I will use a range of techniques and equipment to make my design. I will see which technique works the best. |

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| **Key Vocabulary** | | |
|  | **Word** | **Definition** |
| 1 | material | What an object is made from. |
| 2 | opaque | You **can not** see through it. |
| 3 | transparent | You **can** see through it. |
| 4 | rigid | You **can not** change its shape. |
| 5 | flexible | You **can** change its shape by bending or stretching. |

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| **Interesting facts** | |
| **1** | Glass is actually made from sand! |
| **2** | Paper comes from trees! |

