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| Science FLE Y1/2 Materials and their uses |
|     **Our Endpoint**To design an umbrella |
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| **Forever Facts** |
| Metals are often strong, shiny, hard and long-lasting. They can be made into thinks like pots and pans and stretched into wires and rods. |
| Glass is transparent and waterproof and is most often used to make windows and glasses. |
| Wood is hard and strong and is a long-lasting natural produce. It is often used to build furniture and can be used to build houses and cabins. |
| Plastics can be tough and flexible and can be made into any shape. They can be used to make packaging, toys, bottles and many other things. |
| Rubber is extremely tough but also very flexible. It is elastic and also waterproof. |
| Bricks are very hard and strong and they store heat well. They are normally attached together to make buildings. |
| Paper is often thin and can be made into lots of different shapes although it goes soggy when it is wet and is easily torn. Cardboard is firmer and tougher than paper so it is more difficult to tear and it is often turned into boxes. |
| Charles Macintosh is best known for inventing the raincoat. He discovered a way in which rubber could be placed between two sheets of cloth to make it waterproof. |

 | **SMSC****Spiritual:** Show a sense of enjoyment and fascination in our learning.**Social:** Working together and demonstrating skills and attitudes that will allow them to contribute positively to life in Modern Britain. |

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| **Subject Specific Vocabulary** |
| material | the substance that things are made from |
| properties | a distinctive feature of something, for example, metal is hard and strong |
| rough | having an uneven surface, the opposite to smooth |
| absorbent | able to soak up liquid or moisture |
| opaque | something you cannot see through |
| transparent | something you can clearly see through |
| prediction | a guess about what you think is going to happen |
| observation | seeing something and making notes about it |
| investigation | carrying out a careful search for answers to a question |

**Skills**Make observations, ask and answer questions.Identify and classify.Record in different ways including labelled diagrams.Begin to use scientific vocabulary. |
| **Exciting books** |
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