**Key Vocabulary**

**Key Learning**

* To explore the properties of a variety of balls
* To talk about how to test fabric's elasticity properties and make predictions
* To look at a selection of materials and discuss how they might be tested for their rigidity.
* To test materials for their durability and toughness and consider the usefulness of materials for our everyday lives
* To understand that paper varies in strength and think of a way to test the strength of different papers
* To identify different materials that are used for the same product.
* Identify and compare the suitability of a variety of everyday materials for a particular use.

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| **Stretching** | Is to change shape by pulling it to make it longer or wider. |
| **Squashing** | Is pushing things closely together. |
| **Bending** | Is changing the shape and direction of something. |
| **Twisting** | Moving one part clockwise and the other part anticlockwise. |
| **John Dunlop** | A person who improved the tyres on cars. You may see tyres with Dunlop on them. |
| **Charles Macintosh** | He invented mackintoshes which was special type of coat. |
| **Materials**  | What things are made from. |
| **Absorbent**  | Different types of material that can soak up liquid. |
| **bendy** | **Bendy** things can be bent easily into a curved or folded shape. |
| **dull** | Doesn’t reflect light. Doesn’t look bright or shiny. |
| **hard** | Not easily broken or bent. |
| **not absorbent** | If something is **not absorbent**, it does not soak up liquid. |
| **not bendy** | If something is **not bendy**, it can’t be bent easily into a curved or folded shape. |
| **not waterproof** | **Not waterproof materials** let water in. |
| **object** | A thing that can be used. For example a door, chair, car, table are all objects. |
| **opaque** | **Opaque objects** can’t be seen through. |
| **rigid** | Not able to be **bent** or moved. |
| **rough** | If something is **rough**, it feels and looks uneven or bumpy. |
| **shiny** | Reflects light easily. |
| **smooth** | **Smooth objects** have no lumps or bumps. |
| **soft** | If something is **soft,** it is easy to cut, fold or change the shape of. |
| **stretchy** | Can be pulled to make it longer or wider without breaking. |
| **strong** | Not easily broken. |
| **transparent** | **Transparent objects** can be seen through |
| **waterproof** | If something is **waterproof**, it keeps water out. It keeps things dry. |

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