

Science Focus: Use of everyday materials

Properties of materials

Year Group: 2

Autumn Term

Stretching

Key Vocabulary: Key Knowledge: Material that soaks up liquid **Overview** absorbent easily. Materials are what objects are made from. Change the shape of an object Some materials are natural and some are manby grabbing both ends and made bend bringing the ends inwards Everything is made up of materials. • together to make it curved. Materials have different properties. Some may be a rubber material that stretches soft, strong, or bendy. when you pull it and Some materials can change shape by twisting, elastic returns to its original size and bending, squashing or stretching. shape when you let it go flexible Bends easily without breaking. What are some properties of materials? lightweight Thin and not heavy. Wood Things created by people. man-made Materials are what objects are **materials** made from. stiff strong hard opaque Things that exist in nature that natural Glass are not made by people. You cannot see through it. opaque What a material is like and how it waterproof transparent hard smooth properties behaves e.g. soft, stretchy, Plastic bendy. The reason for which it is made purpose or done. Change the shape of an object squash by crushing it, so that it becomes waterproof strong shiny flat, soft or out of shape. Metal stiff Firm or does not bend easily. Change the shape of an object stretch by making it longer or wider. Hard strong shiny Having the properties which are suitability Paper right for a specific purpose. You can see through it. transparent Change the shape of an object twist by turning it. lightweight flexible Lots of different kinds. various Cardboard Does not let water pass through waterproof it. strong light stiff **Diagrams and Symbols:** Fabric Squashing soft flexible warm absorbent Rubber **Bending** hardwearing **elastic** flexible strong Twisting **Possible Experiments:**

- Go on a material hunt. Which materials can you find?
- Can you compare the use of everyday materials around the school?
- Investigate which everyday objects can change shape.



which are not.

Science Focus: Use of everyday materials

Uses of materials depending on their properties

Year Group: 2

Autumn Term

