Year 1

Science- Materials

Big Questions

What is the difference between an object and the material it is made from?

Which words can you use to describe a material?

Are there similarities and differences between materials?

Can you predict how a material will change?

Can materials be sorted into different groups?

Did you know?

- Materials can be man-made or natural. Natural materials include rock and wood. Man-made materials include glass and plastic.
- A plastic bottle will take 450years to decompose (break down)
- A glass bottle could take 1 million years to decompose (break down)
- Natural rubber is made of a runny, milky liquid called latex which comes from some plants.
- Plastics are a man-made material made mostly from oil.

Key Vocabulary

| object | A thing that can be used. For example a door, chair, car, table are all objects. |
|----------|--|
| material | Materials are what an object is made from. |
| hard | Not easily broken or bent. |
| 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. |
| shiny | Reflects light easily. |
| dull | Doesn't reflect light. Doesn't look bright or shiny. |
| rough | If something is rough, it feels and looks uneven or bumpy. |

| smooth | Smooth objects have no lumps or bumps. |
|----------------|---|
| bendy | Bendy things can be bent easily into a curved or folded shape. |
| not bendy | If something is not bendy, it can't be bent easily into a curved or folded shape. |
| waterproof | If something is waterproof, it keeps water out. It keeps things dry. |
| not waterproof | Not waterproof materials let water in. |
| absorbent | If something is absorbent, it soaks liquid up. |
| not absorbent | If something is not absorbent , it does not soak up liquid. |
| transparent | Transparent objects can be seen through. |
| opaque | Opaque objects can't be seen through. |

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Materials:



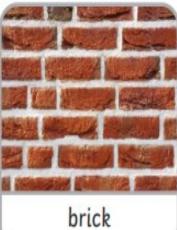




wood



metal





fabric





Which objects could be made out of these materials?



paper



stone