

## Science Topic: Materials

Year 1 Autumn 2



### Prior Learning

In Reception, we learnt that materials can be used to make different things and that some materials feel different from others. We know some words like soft, hard and stretchy to describe them.

### What? (Key vocabulary)

<b>Materials</b>	What different things are made out of.
<b>Particles</b>	Tiny building blocks that everything in the world is made of. When they are mixed in different ways they become different materials.
<b>Properties</b>	A way to describe what a material is like and how it behaves.
<b>Absorbent</b>	When something soaks up liquid easily.
<b>Waterproof</b>	When something does not soak up any liquid at all.
<b>Opaque</b>	When you cannot see through something.
<b>Transparent</b>	When you can see through something.
<b>Smooth</b>	When something has an even or flat surface.
<b>Rough</b>	When something has an uneven or bumpy surface.
<b>Strong</b>	When something does not break easily
<b>Weak</b>	When something is easily broken or bent.

### Who? (Significant people)

<b>Charles Macintosh</b>	Tested materials to find a way to make clothes waterproof.
<b>Natalie Von Goetz</b>	Studies nanoparticles (very tiny particles) to make clothes waterproof, sun-proof and hygienic.