

# Science- Everyday Materials

## Innovation and Change

Introducing new ways and methods to make something better or easier.  
 To make something different.

### Prior Knowledge

EYFS: Explored and talked about materials in play, using simple descriptive vocabulary (hard, soft, rough, smooth) and noticing changes when materials are wet, cold or moved. Began sorting and comparing natural objects (wood, stone, leaves) and developed early curiosity through stories such as *The Three Little Pigs*

## Different Materials



### My Component Knowledge:

Lesson 1: Hook Day

Lesson 2 : To identify objects and materials

Lesson 3: To describe the properties of materials.

Lesson 4: To name properties of materials through testing.

Lesson 5: To carry out a comparative test.

### My Composite Knowledge:

I know there are different types of materials and these are used to make everyday objects. I can identify a range of everyday materials including wood, plastic, glass and metal. I can investigate a range of everyday and identify how they can be used..

### My Powerful Knowledge:

I can use my observations to identify materials and their uses in the world around me. I can investigate how I can innovate materials in different ways. I can select and apply key vocabulary in my written and verbal explanations.

### Key Vocabulary

**Tier 1:** Rough, smooth, flat, bumpy, sharp, blunt, hard, soft, stretchy, stiff, shiny, dull, bendy, not bendy, wood, metal, plastic, glass, rock, water

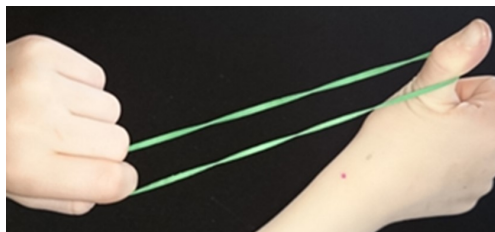
**Tier 2:** Materials, properties, sorting, grouping, fabric, same, different

**Tier 3:** Waterproof, not waterproof, absorbent,

What makes a material waterproof?



Can we change the shape of all materials?



Could you mend an umbrella?  
 What materials would you use?



## Materials

clay	metal	leather
plastic	wood	glass
paper	fabric	rubber