

# Everyday materials- Year 1- Kapow unit- Everyday Materials

## Previous learning

EYFS- describe what they see, hear and feel whilst they are outside. Experiments with different materials to make different textures. Knows the properties of some materials and can suggest some of the purposes they are used for

## Key scientists you could look at...

Charles Macintosh- invented the waterproof coat

## Scientific skills

Working scientifically	Questioning and enquiry	Observing and measuring	Investigating	Recording	Grouping and classifying
Use practical scientific methods, processes and skills	Ask simple questions about the world around us	Begin to observe closely, using simple equipment  Use simple observations and ideas to suggest answers to questions	Perform simple tests with support  Begin to discuss ideas about how to find things out  Begin to say what happened in my investigations	Gather and record data with some adult support to help to answer questions  Begin to record simple data  Begin to record and communicate their findings in a range of ways  Show results in a simple table that my teacher has provided	Identify and classify with some support  Begin to observe and identify, compare and describe  Begin to use simple features to compare objects, materials and living things, and with help, decide how to sort and group them.

## Key Vocabulary for Year 1

Wood	Bendy
Plastic	Rough
Glass	Smooth
Paper	
Water	
Metal	
Rock	
Hard	
Soft	

## Previous vocabulary

Hard, soft, materials, plastic, glass

## Useful links

- <https://www.science-sparks.com/materials-ks1/>
- <https://www.twinkl.co.uk/resource/tp-sc-038-planit-science-year-1-everyday-materials-lesson-4-testing-properties-lesson-pack>
- <https://www.stem.org.uk/resources/community/collecion/12725/year-1-everyday-materials>
- <https://www.hamilton-trust.org.uk/science/year-1-science/everyday-materials-marvellous-materials/>

## Experiment and game ideas

Using lego to build and look at properties	Build the strongest structure choosing materials based on properties	Feely bag guessing activity based on properties of materials	Guess my material- ask questions to deepen understanding and use scientific vocabulary	How strong is an egg shell?
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## Knowledge- objectives

Distinguish between an object and the material from which it is made.

Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock

Describe the simple physical properties of everyday materials.

Compare and group together a variety of everyday materials on the basis of their simple physical properties.

## Resources in school

Range of different materials, rocks.

### Materials:

