

Everyday Materials

Knowledge

Everyday Materials

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 a variety of everyday materials

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

Working Scientifically

Sorting and classifying things according to the material

Ask simple questions and recognise that they can be answered in different ways.

Perform a simple test to explore questions 'What is the best material for a roof?

What are the properties of different materials?

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.

Hook into a Book



Activate Prior Knowledge

EY

- Exploring the natural world around them, making observations.
- Know similarities and differences between the natural world around them.
- Habitats of animals in Autumn
- Habitats of animals in Winter
- Habitats of creatures under the sea
- Minibeasts habitats
- Farm animals
- Lifecycles of animals

KS1

- Animals including humans
 - life cycles
 - Needs of animals for survival
- Working Scientifically
 - Sorting and classifying animal characteristics
 - Answer questions using scientific vocabulary
 - Carry out practical tests using their observations and drawing simple conclusions

KS2

- Classify vertebrates and invertebrates, using classification keys
- Create their own classification keys
- Identify and recognise positive and negative changes to a local environment
- Recognise that environments can change and this can sometimes pose dangers to living things.
- The process of reproduction in plants and animals
- Differences in the life cycles of different animals
- Linnaean System
- Microorganisms



Investing in

the UNIQUENESS

of each individual

"I Am Fearfully And Wonderfully Made"
- Psalms 139 v14

Materials



plastic



wood



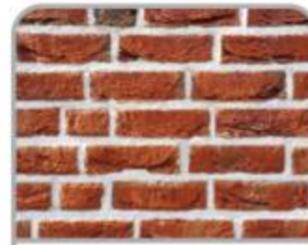
metal



water



glass



brick



paper



stone



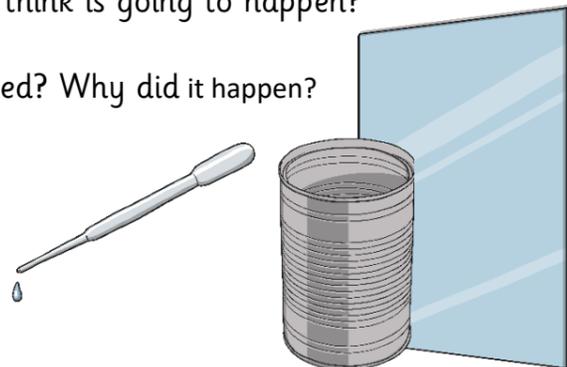
fabric

Investigations

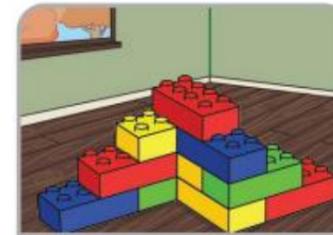
Which material would be best to use for a roof?

Prediction: What do you think is going to happen?

Conclusion: What happened? Why did it happen?



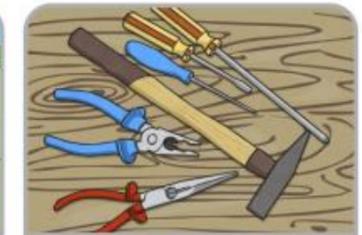
Uses of Materials



plastic toys



wooden furniture



metal tools



drinking water



glass window



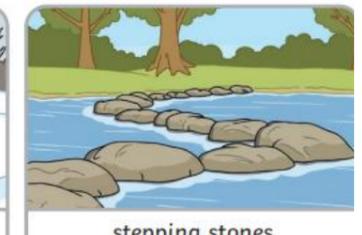
paper books



brick houses



fabric clothing



stepping stones

Properties of Materials



hard



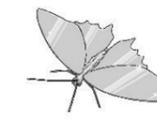
soft



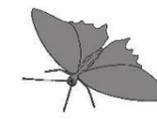
stretchy



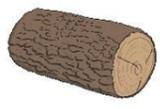
stiff



shiny



dull



rough



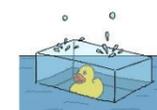
smooth



bendy



not bendy



waterproof



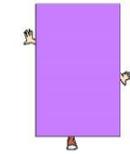
not waterproof



absorbent



not absorbent



opaque



transparent