

Geography

Key Questions

1. What is meant by the physical features of an environment?
2. What is meant by the human features of an environment?
3. Can you name some human and physical features of our school environment?
4. What is an aerial photograph?
5. What is a key used for on a map?
6. What is a symbol?

Key Vocabulary

aerial view: a view from above

map: a diagram of an area from an aerial view

symbol: a mark or picture used to show an object on a map

key: explains what symbols and signs mean on a map

environment: the surroundings in which a person, animal or plants live

human features: changes that humans have made to an area, for example, buildings

physical features: the natural environment of an area, for example, trees, soil, water

grounds: the land around a building



Design and Technology

Key Questions

1. Who is your product for and how will it help them?
2. Why does your structure stand up/fall down?
3. How can you make a structure more stable?
4. What is the best material to use for...?
5. What are you going to use to join materials and why?

Key Vocabulary

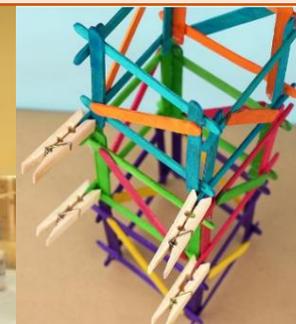
product: an object that is made

user: who a product is designed for

purpose: the point behind a product, for example, to look pleasing or to be used for a specific reason

design: to plan and make decisions about something that is being created

plan: a drawing and instructions that have been thought of as a way to make a product



Science

Key Questions

1. What are the names of some common materials?
2. What are some properties of materials?
3. What is the difference between an object and a material?
4. Can you explain how you have grouped these objects? What is the same and what is different?
5. Which materials are dull, and which are shiny?
6. Which materials are waterproof, and which are not waterproof? etc

Key Vocabulary

material: a material is what an object is made from

object: a thing that can be used, for example, a chair, table, car and door are all objects

hard: not easily broken or bent

soft: easy to cut, fold or change the shape of

rough: feels and looks uneven or bumpy

smooth: objects that have no lumps or bumps

bendy: things that can be bent easily into a curved or folded shape

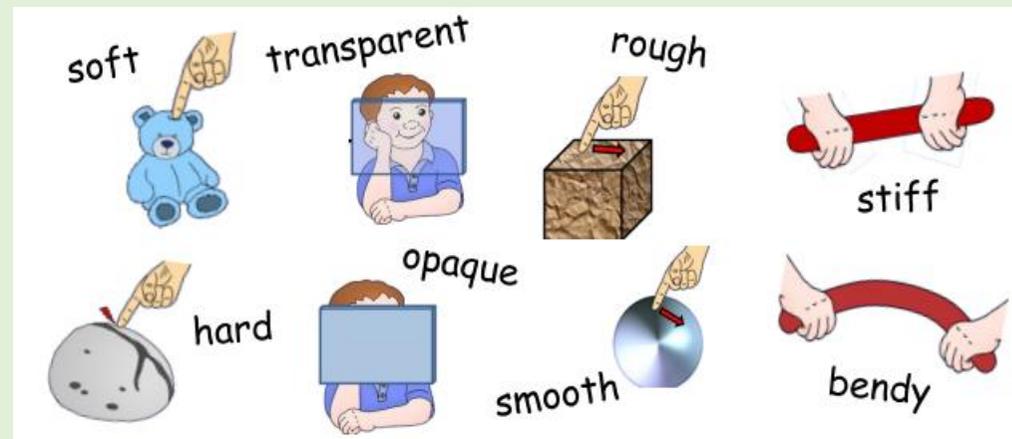
not bendy: can't be bent easily into a curved or folded shape

opaque: opaque objects cannot be seen through

transparent: transparent objects can be seen through

stretchy: can be pulled to make it longer or wider without

Properties of Materials					
Metal	Glass	Wood	Plastic	Fabric	Paper
					
<ul style="list-style-type: none"> • hard • strong • shiny 	<ul style="list-style-type: none"> • transparent • smooth • stiff 	<ul style="list-style-type: none"> • hard • strong • stiff 	<ul style="list-style-type: none"> • strong • shiny • bendy 	<ul style="list-style-type: none"> • soft • bendy • opaque 	<ul style="list-style-type: none"> • absorbent • dull • smooth



waterproof: if a material is waterproof it keeps water out. It keeps things dry.

not waterproof: if a material is not waterproof it lets water in

absorbent: a material that soaks water up

not absorbent: a material that does not soak water up

shiny: reflects light easily

dull: doesn't reflect light. Doesn't look bright or shiny.

