- Соб. арт.,			9.		
Working scientifically					
Ask simple questions and recognise they can be answered in different ways	Observing closely using, simple equipment	Perform simple tests	Identifying and classi- fying	Use <b>observations</b> and ideas to suggest answers to	Gathering and recording data to help in answering questions

## What I should already know:

Geography

- 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.

Properties of different materials				
Wood	strong, opaque, stiff, hard			
Plastic	bendy, smooth, translucent, stretchy			
Glass	transparent, hard, smooth, waterproof			
Brick	rough, strong, opaque, dull			
Paper	translucent, flexible, not waterproof			
Cardboard	rough, dull, opaque, not waterproof			
Metal	Shiny, strong, opaque, hard			
Rock	Rough, strong, opaque, hard			

## What I will know by the end of the unit

Topic: Climate change

We use different materials for different objects depending on their purpose.

**Materials** are used for more than one thing (e.g. **metal** can be used for coins, cans, cars and table legs.

Think about unusual and creative uses for everyday materials.

Changing the shape of a material can be done by:

**Squashing** is to crush something so that it becomes flat, **soft**, or out of shape.

**Bending** is to change a straight object so that it is curved.

**Twisting** is to change the shape of an object by turning it.

Stretching is to make an object longer or wider without tearing or breaking.

## Investigate

There are many ways of reducing **greenhouse gases** caused by human activities.

## These include:

- generating electricity
  from renewable sources
- Using cars less
- buying and wasting less

Key vocabulary				
Global Warming	The gradual increase in surface temperature of the Earth.			
Fossil Fuel	Remains of dead organisms that are burnt as fuels releasing carbon dioxide.			
Greenhouse effect	When energy from the sun is transferred to the thermal energy store of gases in the Earths crust.			
Atmosphere	A material which allows light to pass through but is not clear			
Climate Change	A material which does not allow light to pass.			

Year 6—Spring