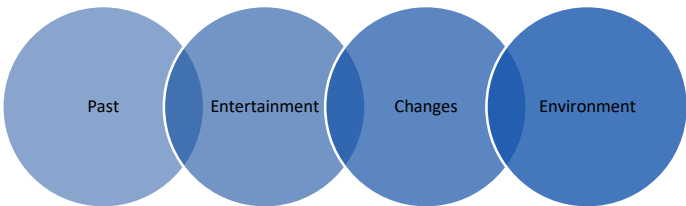









Prior Knowledge

- Know objects are made from materials
- Recognise and name everyday materials
- Describe properties of familiar materials
- Compare and group materials



Key Knowledge

- All objects are made from one or more materials
- Objects made of some materials can be changed in shape by bending, stretching, squashing and twisting
- The material an object is made from is chosen because it has suitable properties for the task e.g:

Material	Properties	Uses
Wood	opaque, hard, strong	
Metal	shiny, smooth, reflective	
Plastic	waterproof, bendy, translucent	
Glass	transparent, waterproof, hard	
Brick	hard, rough, dull	
Paper	tears easily, translucent, flexible	
Fabric	flexible, soft, absorbent	

Key Vocabulary

Opaque	Not able to be seen through		
Transparent	Completely see through		
Translucent	Lets some light through		
Reflective	Reflects light easily		
Non-reflective	Does not reflect light		
Flexible	Bends easily without breaking		
Rigid	Unable to bend or be forced out of shape		
wood	metal	plastic	glass
brick	rock	paper	cardboard
fabric	shape	push	pull
twist	squash	bend	stretch



Charles Macintosh
(1766 – 1843)

A Scottish chemist and the inventor of the modern day waterproof coat.

What makes a material suitable to use at the seaside?