



What knowledge do I already have?

I know that different things are made of different materials
 I can name some common materials that things are made of
 I have noticed some ways in which things change depending on the time of year
 I can group materials by natural or man made



What will I know by the end of the unit?

A material is what something is made of e.g. a book is made of paper
 Different materials have different properties e.g. rock is hard, paper is bendy
 'Best' means performs best for the job
 Some materials, like food and paper, decompose quite quickly
 Plastic decomposes very slowly and this causes a problem for our environment

Values

Challenge

Commit

Conquer

Celebrate

Technical vocabulary

object	A thing that can be used. For example a door, chair, car, table are all objects .
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).
material	Materials are what an object is made from.
hard	Not easily broken or bent.
soft	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	feels and looks uneven or bumpy.
smooth	has no lumps or bumps.
bendy	can be folded easily.
not bendy	can't be folded easily.
waterproof	it keeps water out. It keeps things dry.
not waterproof	let water in.
absorbent	soaks water up.
not absorbent	does not soak up water.
transparent	can be seen through.
opaque	can't be seen through.
Decompose	Break down over time into smaller parts



plastic



wood



metal



paper



brick



water



glass



fabric



stone