

We are Constructors!



Stephanie Kwolek

- Invented Kevlar
- A type of plastic
- Used to build bridges
- Strong but very light



Charles Macintosh

- Scottish inventor
- Created the first waterproof raincoat
- Mackintosh coats are named after him

Success Criteria

- I can name a range of materials.
- I can describe how materials look.
- I can describe how materials feel.
- I can suggest what some materials could be used for
- I can design, build and evaluate

Key Vocabulary

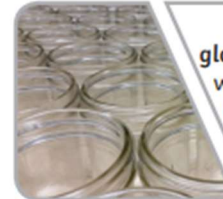
materials	Materials are what objects are made from.
suitability	Suitability means having the properties which are right for a specific purpose.
properties	This is what a material is like and how it behaves (soft, stretchy, waterproof).

Key Knowledge

Properties of Materials



wood:
hard, stiff,
strong, opaque,
can be carved
into any
shape.



glass:
waterproof,
transparent,
hard, smooth.



plastic:
waterproof,
strong, can
be made to be
flexible or stiff,
smooth or rough.



metal:
strong, hard,
easy to wash.



paper:
lightweight,
flexible.



cardboard:
strong, light,
stiff.



fabric:
soft, flexible,
hard-wearing,
can be stretchy,
warm, absorbent.



rubber:
hard-wearing,
elastic, flexible,
strong.

What is Waste?
Waste is everything that you throw away that you no longer have a use for.

Rubbish
Garbage
Trash
Junk



reduce
reuse
recycle

A constructor is a person who designs, builds or makes something.