

# Year 5: D&T Textiles

## How can we further reduce carrier bag waste?

### Situation

Many adults own reusable 'bags for life' but often forget them when they do their supermarket shop. This means they are buying more and more plastic bags. Most plastic bags end up in landfill or the sea; this is called **plastic pollution**.



### Design Brief

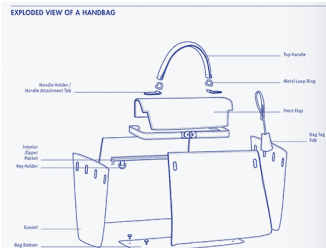
Design, make and evaluate a textile bag or pouch for shoppers, to help keep their bags for life easily accessible, so they will stop buying single use plastic bags.

### Design

You need to consider:

- appearance/aesthetics - *how will it look?*
- cost - *how much money will you spend?*
- customer - *who is it for?*
- environment - *can it be recycled?*
- size - *how big or small is it?*
- safety - *is it safe to use by everyone?*
- function/purpose - *how does it work?*
- materials - *what resources will you need?*
- manufacture - *how will you make it?*

A good way to design a 3D object or item is to use an exploded diagram. Try using it to design your pouch or bag.



CRC Article 24: All children have the right to a safe and healthy life free from pollution.



### Lulu Guinness

Lulu Guinness is a British fashion designer. She is most famous for her handbag designs. Her most recognisable bags are those based on bright red lips.



### Make

Can you make some simple pattern pieces as a template for the pieces of your bag?

How will you add colour to your cloth?



### Evaluate

Did your prototype meet your design specification?



### Vocabulary

bag-for-life	A stronger bag that you can re-use.
embellish	To make something look better by adding details.
environment	The world around us, where we live.
fastening	How the bag closes.
handle	The part of the bag you hold.
reduce	To make smaller or less.
re-use	To use something again.