

# Year 6: Textiles

## How can we protect mobile phones from being damaged during everyday use?

### Design Brief

Many people now consider a mobile phone as an essential possession and would be inconvenienced if they were to be without it.



Design, make and evaluate a prototype for a mobile phone case for the under 16 market that would protect their phone from being damaged during everyday use.

### Steve Jobs

Steve Jobs was an American business man and designer.



He was a co-founder of Apple and owned the majority of Pixar.

### Design a Mobile Phone Case

How will you ensure your design fits your target market - and their phones?

You will consider:

- appearance/aesthetics - *how will it look?*
- cost - *how much money will it be?*
- customer - *what are your target market's likes and preferences?*
- environment - *will it be recyclable and last a considerable time before being discarded?*
- size - *what size will it be?*
- safety - *how will you make it safe to use?*
- function/purpose - *how will it protect?*
- materials - *what fabric will you use?*
- manufacture - *how will you make it?*



### Evaluate

Does your prototype phone cover meet your design specification?

Is it an authentic design?

Could your design be easily reproduced?



### Vocabulary

CAD/CAM	Computer aided design/ computer aided manufacture.
essential	Absolutely necessary.
inconvenienced	To be troubled or put out.
possession	Something that is owned.
prototype	A test model of your design.

**CRC Article 29:** All children have the right to develop their skills and talents.



1. Make a simple paper pattern based on the phone, including seam allowances.	2. Cut out the fabric.	3. Sew the bottom and side of the phone case.	4. Mitre the corners so they don't bunch up inside.	5. Turn to the right side of the phone case.
6. Press flat.	7. Fold in the seam allowance at the top of the phone case.	8. Sew across the open section.	9. Push the stitched section inside the phone case to form a lining.	10. The phone case is ready. Add the decoration.

### Construction and CAD/CAM Skills

