

# KS2 - DT - Felt Phone Cases - Knowledge Organiser

## Assessment of Key Skills

By the end of this unit...

...all children should be able to:

Develop their own design criteria.

Use backstitch.

Create simple patterns.

... most children will be able to:

Aim the design criteria at a target market.

Use at least two different types of stitches.

Create an accurate paper template.

Measure and mark a sewing and cutting line.

...some children will be able to:

Prioritise the most important points from the design criteria.

Use a combination of different stitches.

Create accurate paper templates for both the phone case and decoration.

Demonstrate precision when measuring and cutting.

I can write a design criteria for a mobile phone case.

I can generate a range of design ideas and clearly communicate my final design.

I can make a paper template.

I can practise using different types of stitches and choose the best one to use on my final felt phone case.

I can organise my ideas in a step by step plan.

I can select decorative techniques and fastenings according to their functional properties and aesthetic qualities.

I can evaluate a product

## Key Vocabulary

Design criteria, aesthetics, functional, specification. Innovative, annotate, design process. Pattern, template, precisely, accurately, scale, measurements, millimetre, centimetre. Prototype, whipstitch, backstitch, running stitch, blanket stitch. Plan, fastenings, decoration, felt, design, evaluate.

## MOBILE PHONE

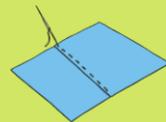
- A mobile phone, cellular phone, cellphone, handphone, or hand phone, sometimes shortened to simply mobile, cell or just phone, is a portable telephone that can make and receive calls over a radio frequency link while the user is moving within a telephone service area.

## The first mobile phone as invented in 1973



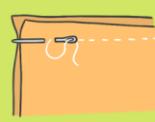
### Running Stitch

A quick, easy stitch used to join fabric together. Also used for decoration.



### Backstitch

A strong stitch, useful for holding seams together.



### Whipstitch

A simpler version of blanket stitch.



### Blanket Stitch

A decorative stitch for strengthening edges.



**Mobile accessories** include any hardware that is not integral to the operation of a mobile smartphone as designed by the manufacturer.

Cases, which are designed to attach to, support, or otherwise hold a smartphone, are popular accessories. Case measures are based on the display inches (e.g. 5 inch display). There are different types:



- Pouches and sleeves / Holsters / Shells / Skins / Fitted cases / Bumpers / Flip cases and wallets / Screen protection and body films / Drop and shock protection / Leather case / Cases with integrated kick stands

Holsters are commonly used alone for devices that include rubberized padding, and/or are made of plastic and without exposed rigid corners. Heavy duty cases are designed to protect from drops and scratches.

A Standing (or kickstand) case keeps the device standing upright.



Folio cases are a combination of a case and stand, and may include a keyboard (USB for OTG smartphones or Bluetooth keyboard).



Skins and design covers can serve for protection and personalization.



