

# DESIGN BRIEF

I intend to design and make a pop-up book for a young child. The book must encourage young children to learn how to read and must be colourful.



# PRODUCT ANALYSIS

You will look at the advantages and disadvantages of existing product to improve your own product. You may want to look at the use of colour and the way they have made their mechanisms.



# THE USER

Research who your user is, find out about their hobbies and interests and what they do, you can show your findings through a user board.

# POP UP BOOK

## SPECIFICATION

A list of what your product must do. Use ACCEESS FMM to make your list for your design specification or it can sometimes be called design criteria.

## QUESTIONNAIRE

A list of what your product must do. Use ACCEESS FMM to make your list for your design specification or it can sometimes be called design criteria.



LINEAR



RECIPROCATING



ROTATE



OSCILLATING

## PAPER



A4, A3, A2 size  
Thickness- 80g, 100g

## MATERIALS

### CARD



A4, A3, A2 size  
6 sheet, 12 sheet  
Range of colours  
Can be laser cut

### FOAM



Range of colours  
3mm, 5mm  
Range of colours  
can be laser cut

## EQUIPMENT



SPLIT PINS



DOUBLE SIDED  
TAPE

## EQUIPMENT

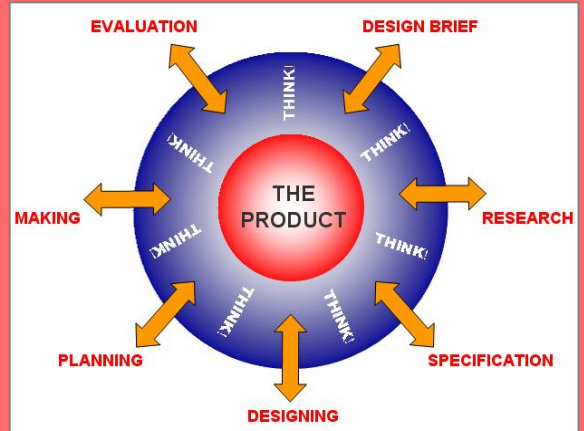


PENCIL



GRAPHICS  
PEN

## DESIGN PROCESS



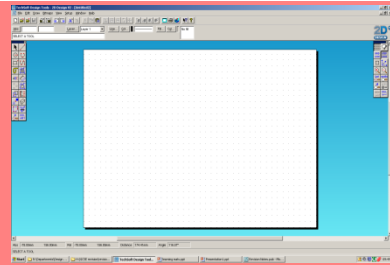
# STEEL RULE

Use to mark out material accurately.



# 2D DESIGN

Computer Aided Design  
Use of computers to design your product accurately.



# HEALTH & SAFETY

When using equipment in the classroom, always consider health and safety. Be safe all times.

# CRAFT KNIFE

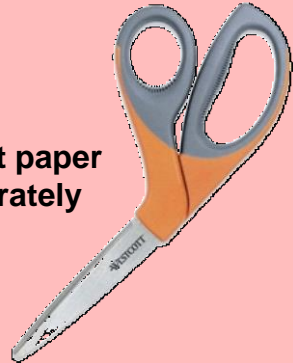
Use a craft knife to cut thick card out accurately.  
Make sure you think about health and safety at all times when using this piece of equipment.



# POP UP BOOK

# SCISSORS

Use scissors to cut paper and thin card accurately



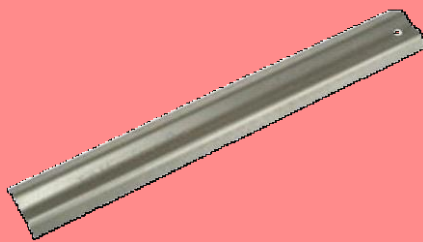
# LASER CUTTER- CAM

Computer Aided Manufacture  
Use of computers to manufacture your product accurately.



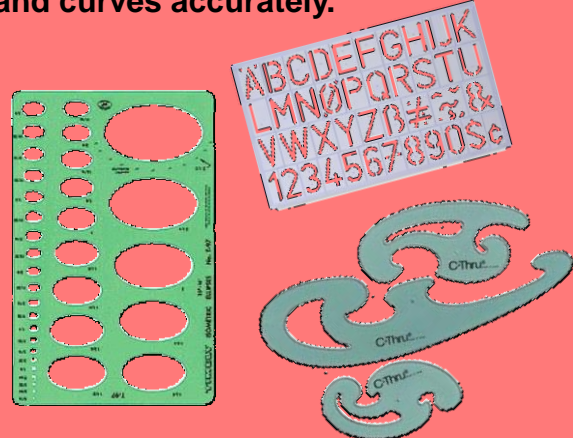
# SAFETY RULE

Use a safety rule when cutting out card with a craft knife.



# STENCILS

Use to draw around a range of shapes accurately, use to draw letter and curves accurately.

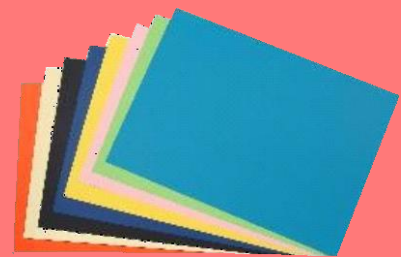


# COLOURING PENCILS



Use colouring pencils to decorate your pop-up book and add colour to it.

# CARD



Use white card and coloured card to decorate your pop up book. It is available in a range of thicknesses.

# CUTTING MAT

Use when cutting to ensure the work surface does not get damaged

