

Pre-school nurseries develop children in many important areas. You have been asked to design a toy which develop one of the following skills in pre-school children:

- Shape and colour matching skills
- Counting and number skills
- Building and simple construction skills

Marks will be awarded for:

- A creative solution that meets your design criteria
- Specific names of materials and construction techniques
- Surface decoration and/or finishes

Which of the three skills is your toy aimed at developing?

Shape + Colour Matching

In the space below draw your design for the toy

Complete the table showing important criteria for your toy and give your reasons. An example has been provided.

Design criteria	Reasons
1 The toy must present no safety hazards	Young children often place toys in their mouths so must not be too small to choke on and must not have any sharp edges
2 The toy must be aesthetically pleasing	To attract young children to the toy.
3 The toy must be ergonomically friendly	To fit comfortably in small hands. Easy to pick up + carry around.

3 of each shape

6mm dazel

200mm
120mm
6mm

Pine dazel
Plywood board

ONE TWO THREE
YELLOW RED BLUE

Holes drilled to depth of 4mm

Numbers + words

39mm
30mm
30mm

Duplex board shaped
Three different shaped.
Card shaped cut using die cutter.
Colours printed on board using offset lithography.
Dazels cut using coping saw.
Glued in using PVA

6mm Plywood cut using band saw.

Evaluate your design against each of the three criteria listed above

Criteria 1
The design has no sharp edges. The pieces would be large enough not to cause a choking hazard. The dazels would be tightly secured.

Criteria 2
Bright Colours + regular shaped. Symmetrical shaped. Natural finish on plywood.

Criteria 3
Small enough + light weight enough to be easily carried by a child. Dazels far enough apart to fit shapes. Pieces correct size for small hands.

3
5
2

1
2