

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 6
- Specific names of materials and construction techniques 5
- Surface decoration and/or finishes

Which of the three skills is your toy aimed at developing? 3

Shape and colour matching skills

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 Shapes and colours must match up. ✓	young children must be able to recognise the shape routed in the wooden base with the acrylic. This is the educational challenge.
3	

Evaluate your design against each of the three criteria listed above

Criteria 1

The base will have a routed shape

Criteria 2

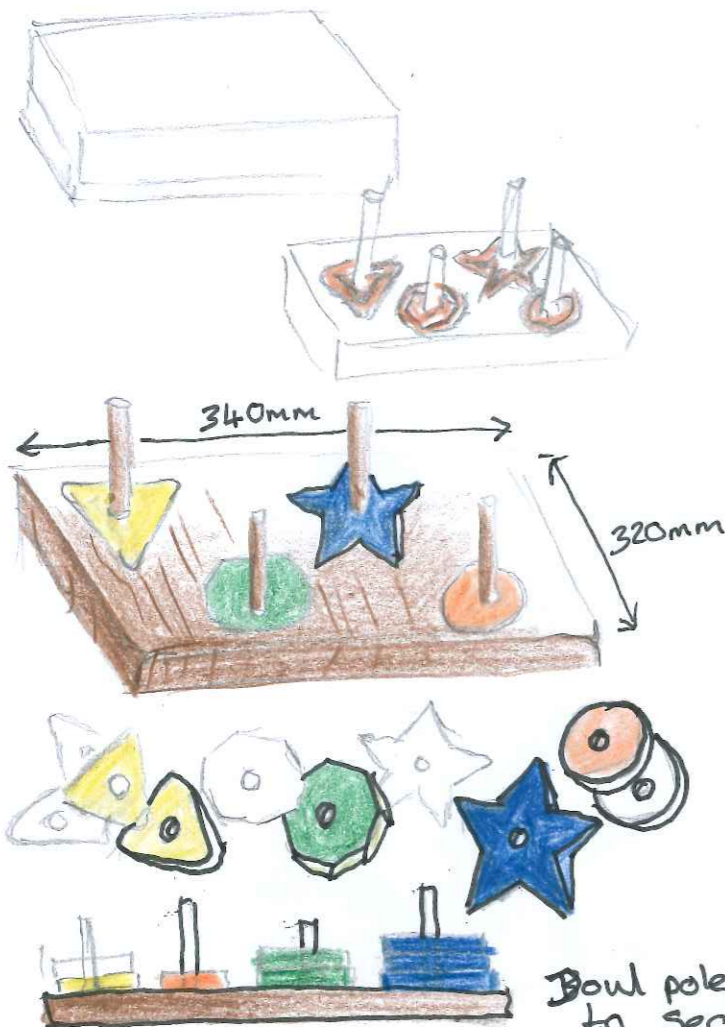
Criteria 3

1. Band saw pine base to given dimensions
2. Pillar drill holes x4 in base.
3. ^{dig} Gtg for routed edge → router edge and interior shape.
4. Saw dowel to length
5. Glue dowel in place, varnish pine.
6. 2D design lazer cut shapes
7. lazer cut shapes in 4 colours.
8. Die cut card box and lid.
9. place all parts in box.

wooden pine base routed edges to give curve finish
Varnish wood once dowels in.



Large size
lazer cut acrylic shapes
child harder to swallow pieces.
Hole ^{finds} in centre to breathe if swallowed



Bowl poles glued in to secure.

3

17/27

14