

Key vocabulary

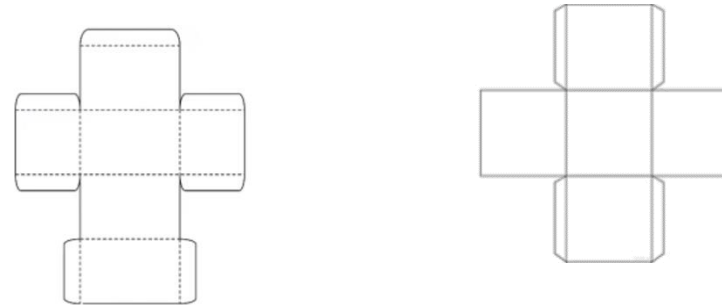
CAD	computer-aided design
shell structure	a hollow structure with a thin outer coating
font	a printers' term meaning the style of lettering used
net	the flat or opened-out shape of a 3-D object e.g. a box
aesthetics	the way a product looks with reference to visual appeal
adhesive	a sticky substance or material e.g. glue
iterative process	the practice of designing, building, refining and improving

We are building on our knowledge from year 2 making push cars

This will help us learn in Year 5 when we make hedgehog houses

Key knowledge

Nets for cuboid boxes without a lid will be made of 5 cuboids; with a lid 6 cuboids:



Microsoft Word can be used to create nets using present shapes drawn on gridlines.

Corrugated card is stronger because it is thicker and uses fluted paper in a middle layer:



Cardboard and paper can also be strengthened by laminating – overlaying with a layer of plastic or other protective material