



# Year 4 DT - Shell Structures

## Key vocabulary

shell structure	A hollow structure with a thin outer covering
net	The flat or opened-out shape of a 3D object like a box
font	The style of lettering being used
cuboid	A solid object (3D) with 6 rectangular sides
capacity	The amount a 3D object can hold inside
join	To connect or fasten things together
scoring	Cutting a line or mark into sheet material to make it easier to fold
user	Who the product is being made for
purpose	What the product will be used for

## Types of Nets

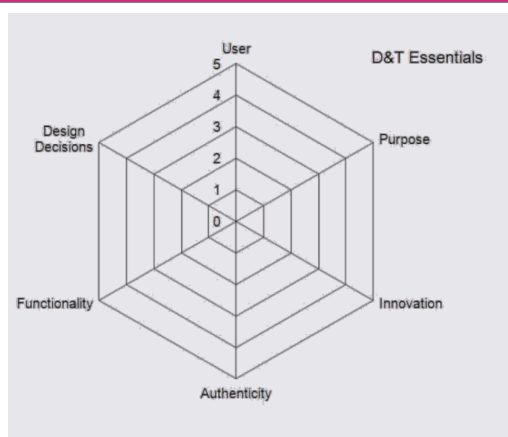
Nets for cubes      Cuboid net      Hexagonal prism net

Tetrahedron net      Hexagonal based pyramid net      Square based pyramid net      Triangular prism net

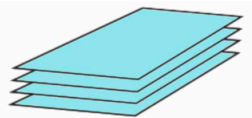
Draw the faces and stick them together

Add tabs, glue your paper net onto card and cut out

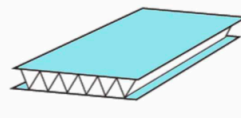
## Star Analysis



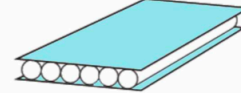
### Stiffening and strengthening sheet materials:



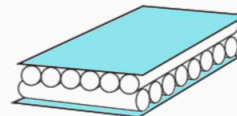
Laminating - glue together several layers of card



Corrugating - zig-zag a piece of paper or card and glue in between two layers of card



Ribbing - glue layers of straws between layers of card



## Examples of

