

HOW WILL I KEEP MY PARTY FOOD SAFE?



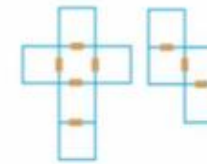
KEY VOCABULARY

Aesthetics	Way in which the product looks nice
Cuboid	A solid body with rectangular sides. □
Edge	Where two surfaces meet at an angle.
Evaluate	Does the design work
Face	A surface of a geometric shape.
Font	The style of lettering being used.
Prism	A solid geometric shape with ends that are similar, equal and parallel
Prototype	Model made to test if a design will work
Scoring	Cutting a line or mark into sheet material to make it easier to fold
Shell structure	A hollow structure with a thin outer covering
User	Person who the design is made for
Vertex/vertices	The corners of a geometric shape, where edges meet

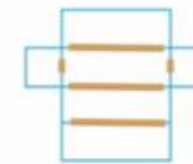


MAKING AND TESTING 3D SHAPES

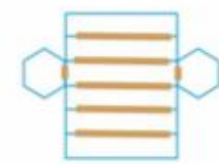
Assemble and evaluate 3-D shapes using standard sized card squares, rectangles, equilateral triangles, isosceles triangles and hexagons, joined with masking tape.



Nets for cubes



Cuboid net



Hexagonal prism net



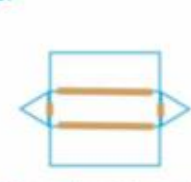
Tetrahedron net



Hexagonal based pyramid net



Square based pyramid net

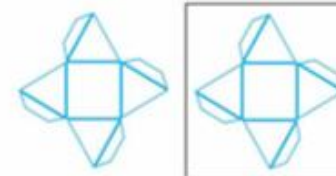


Triangular prism net

Creating the net for the product you are designing and making without using computer-aided design:



Draw the faces and stick them together



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