How to construct a net
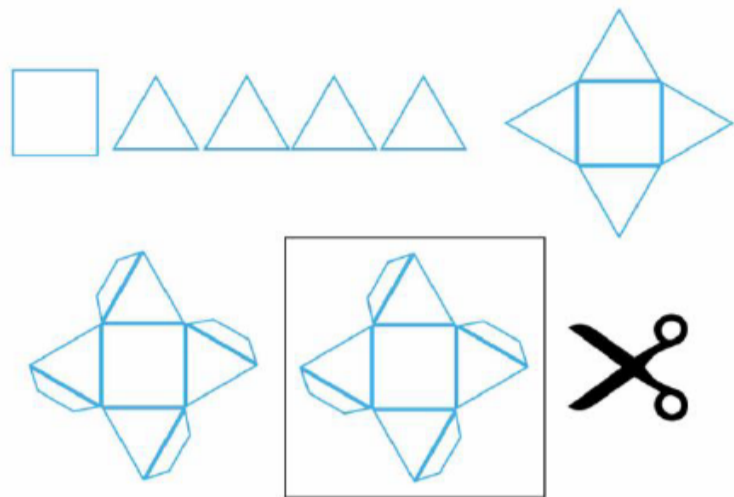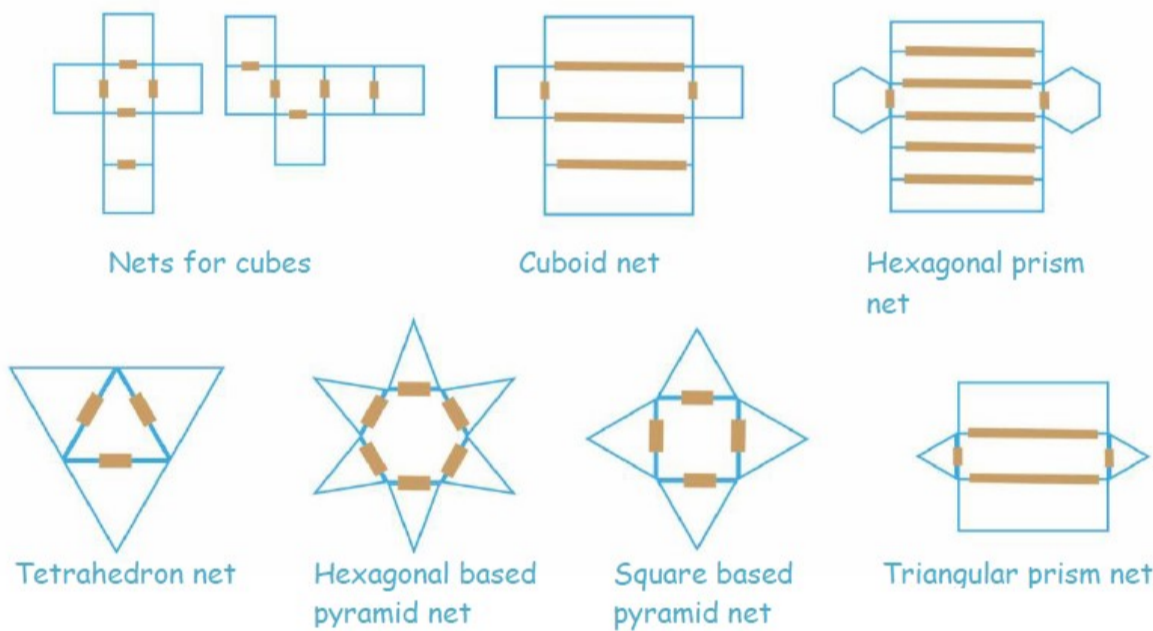
Draw the faces and stick them together

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

Different nets
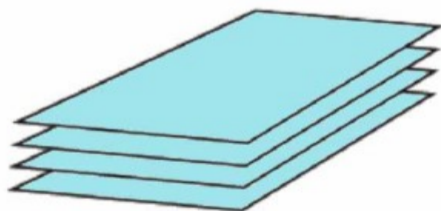
Nets for cubes

Cuboid net

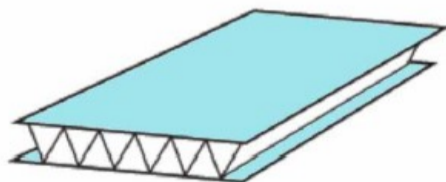Hexagonal prism net

Tetrahedron net

Hexagonal based pyramid net
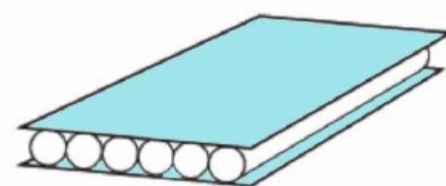
Square based pyramid net

Triangular prism net
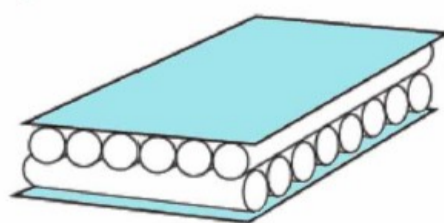
Stiffening and strengthening techniques

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

Vocabulary	
Shell structure	a hollow structure with a thin outer covering
3D shape	shapes with three dimensions, such as width, height and depth
Net	the flat or opened-out shape of an object such as a box.
Cube	a solid figure with six square faces all the same size
Cuboid	a solid figure with six rectangular faces
Prism	a solid geometric shape with ends that are similar, equal and parallel
Vertex	the corners of a solid geometric shape, where edges meet
Edge	where two surfaces meet at an angle
Face	A surface of a geometric shape
Length	the distance from one end of an object to the other
Width	the length of something from one side to the other
Capacity	the amount that can be held in a particular space
Marking out	transferring a design or pattern to a work piece
Scoring	cutting a line or mark into sheet material to make it easier to fold
Shaping	to give an object a certain shape or form
Tabs	a small flap used when attaching surfaces together
Adhesives	a sticky substance or material such as glue
Joining	to put, bring, or fasten together. To attach.
Assemble	to construct by joining the parts of
Accuracy	being accurate and correct. Without error.
Material	anything used for building or making something
Stiff	not easy to bend
Strong	not easy to break
Corrugating	shaping into parallel ridges and grooves
Ribbing	laying down parallel ribs
Laminating	layering surfaces on top of one another
Decision	making a choice
Evaluating	to judge the level or value of
Design Brief	the statement a client gives to a designer outlin-
Design Criteria	the precise goals that a project must achieve in
Innovative	produced through or resulting in innovation; new
Prototype	an original model on which later stages or forms

Health and Safety

Pay close attention when using sharp tools

Stop what you're doing as soon as the teacher or your partner says "stop".