Year 3/4: Shell Structures-What is the best way to build a desk tidy?

Subjec	t Specific Vocabulary	Prior Learning Y1/2	Sticky Knowledge
cuboid	a solid body with rectangular sides.	Experience of using different joining, cutting and finishing techniques with paper and card. A basic understanding of 2-D and 3-D shapes in mathematics and the physical properties and everyday uses of materials in science	 Draw the faces and stick them together Add tabs, glue your paper net onto card and eut out Generate realistic ideas based on the preferences of the user and the purpose of the product. Find ways to strengthen sheet materials that could include: layering, laminating or corrugating. Investigate the construction of different nets. Use computer aided design to construct their own net. Evaluate throughout the designing and construction process to create a product fit for purpose. Corrugating - glue together several layers of and Build tabe, glue your paper net out out
edge	where two surfaces meet at an angle.	Future Learning Y5/6	
face	a surface of a geometric shape.	developing a design criteria.preFormulate a clear plan using step by stepofinstructions.•Work safely with a greater range of tools and•materials including: hacksaws, bench hooksthatand hand drills.CO	
font	a printer's term meaning the style of lettering being used.		
net	the flat or opened-out shape of an object such as a box.	Desk Tidy	
prism	a solid geometric shape with ends that are similar, equal and parallel.		
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.		
vertex	used to refer to the corners of a solid geometric shape, where edges meet.		