Design Technology Year 4 Spring Term The Project Title	<u>Structures with Computer Aided Design</u> Design, make and evaluate a gift box for a family	Kirkstall St Stepł Primary Scho	
	member.	,	
What should I already know?	Useful Diagrams		
• I have had experience using different joining, cutting and	Assemble and evaluate 3-D shapes using standard sized card squares, rectangles, equilateral triangles, isosceles triangles and hexagons,	Vocabulary	
 finishing techniques. I have a basic understanding of 2D and 3D shapes in Maths and everyday uses of materials in Science. I have drawn shapes on 	joined with masking tape.	computer aided design (CAD)	The use of computers to aid in the creation of design.
Microsoft words.	Nets for cubes Cuboid net Hexagonal prism net	shell structure	A hollow structure.
Powerful Knowledge • Investigate and evaluate a range		font	The style and size of text.
of shell structures • Use Microsoft word to create shell structures	Tetrahedron net Hexagonal based Square based Triangular prism net pyramid net Creating the net for the product you are designing and making		face
 Develop ideas through the analysis of existing shell structures Use Computer Aided Design (CAD) to model and communicate ideas (Mircrosoft word) 	without using computer aided design:	edge ver	tex
 Plan the order of the main stages of making Explain choice of materials according to functional qualities and aesthetic qualities 	Add tabs, glue your paper net onto card and cut out		