

Knowledge Organiser for Foundation Subjects in St Margaret Mary's Catholic Junior School

Loving, learning, growing together with Jesus

Subject: DTYear Group: 3		Term: Spring		
	Vocabulary Bank	K	Key Facts	
Vocabulary	Definition	- Shell Structures are structures with a solid outer surface (which may be curved or flat)		
capacity	the maximum amount that something can contain	and a hollow inner area.		
height	the measurement of someone or something from hear to foot or from base to top	- Shell structures can serve many different purposes. Often, they are used to protecting, containing and/or presenting (e.g. packaging).		
join	to connect parts together	 Shell structures may be used to contain things. The structures need to be able to take the weight of their contents. 		
length	the measurement of something from end to end	- The materials used are important for protecting interior contents.		
materials	the matter from which a thing is or can be made	- Some shell structures can be shaped to fit their contents, protecting them from movement and damage (e.g. egg cartons).		
net	a 2D shape that can be folded to give a 3D form	- Shell structures can be stiffened through folding, layering, corrugating, ribbing or lamination.		
recycle	to convert (waste) into reusable material	- Shell structures are designed to be visually appropriate for their purpose and		
shell structure	a structure composed of sheet material that encloses space	attractive to their audience. - Whilst the shape needs to be strong & durable, it also needs to be appealing to the		
structure	a building or other object constructed from several part			
strengthen	to make or become stronger	Nets for Shell Structures	Shell Structures in everyday life	
three dimensional	an object or shape that has three dimensions – length width and height			
vertex	the highest point		macleans trestimint	
width	the measurement of something from side to side			
design specification	to create a plan or scheme either from new ideas or b presenting existing materials in a new way	Nets for cubes Cuboid net	Hexagonal prism	
evaluate	the assessment of how an object functions compare with its specification		net	
function	the intended use of any product			
labelled drawing	a drawing used to develop a design idea, and to communicate ideas			
original	something that has existed from the beginning			
research	the investigation into and study of materials and objects	Tetrahedron net Hexagonal based Square based pyramid net pyramid net	Triangular prism net	
useful	something that is able to be used for a practical purpose or in several ways	Promotion Promotion		
user	the person who the product is created for	End product Create a 3 dimens	ional desk tidy.	